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COGSCI2025
THEORIES OF THE PAST
THEORIES OF THE FUTURE
SAN FRANCISCO • JUL.30-AUG.2

Program for the
47th Annual Meeting

#CogSci2025

Program and times subject to change

Wednesday, July 30									
7:30 AM									
7:45 AM									
8:00 AM									
8:15 AM									
8:30 AM	W1: Putting it together: Interactions between domains of cognition <i>Pacific A</i>	W2: Reasoning Across Minds and Machines <i>Pacific B</i>	W3: Information Theory and Cognitive Science <i>Pacific C</i>	W4: Minds in the Making: Cognitive Science and Design Thinking <i>Pacific E</i>	W5: Behavioral Network Science <i>Pacific J</i>	W6: Succeeding in the Start-up Ecosystem <i>Pacific G</i>	W7: Meta-reasoning: Deciding which game to play, which problem to solve, and when to quit <i>Pacific H</i>	W8: Building computational models of social cognition in memo <i>Pacific I</i>	W9: All you ever wanted to ask about Dynamic Field Theory <i>Pacific F</i>
8:45 AM									
9:00 AM									
9:15 AM									
9:30 AM									
9:45 AM									
10:00 AM	Refreshments Available (10:00 AM - 10:30 am)								
10:15 AM									
10:30 AM									
10:45 AM									
11:00 AM									
11:15 AM									
11:30 AM	W1 (cont.) <i>Pacific A</i>	W2 (cont.) <i>Pacific B</i>	W3 (cont.) <i>Pacific C</i>	W4 (cont.) <i>Pacific E</i>	W5 (cont.) <i>Pacific J</i>	W6 (cont.) <i>Pacific G</i>	W7 (cont.) <i>Pacific H</i>	W8 (cont.) <i>Pacific I</i>	W9 (cont.) <i>Pacific F</i>
11:45 AM									
12:00 PM									
12:15 PM									
12:30 PM									
12:45 PM									
1:00 PM	Affinity Group <i>Pacific A</i>								
1:15 PM									
1:30 PM									
1:45 PM									
2:00 PM									
2:15 PM									
2:30 PM									
2:45 PM									
3:00 PM									
3:15 PM	Rumelhart Anniversary								
3:30 PM	(2:00 PM - 5:00 PM)								
3:45 PM	Internet Archives								
4:00 PM									
4:15 PM									
4:30 PM									
4:45 PM									

THURSDAY, JULY 31

Program and times subject to change



7:30 AM	Theme: The Future of Foundational Ideas of Cognitive Science									
7:45 AM										
8:00 AM	Refreshments available (8:00 AM - 8:30 AM)									
8:15 AM										
8:30 AM	Welcome from CSS Chair & Program Chairs									
8:45 AM	Salon 7									
9:00 AM										
9:15 AM	Keynote Address: Dr. Susan Carey									
9:30 AM	Salon 7									
9:45 AM	(9:00 AM - 10:00 AM)									
10:00 AM										
10:15 AM	Refreshment Break (10:00 AM - 10:30 AM) Break Sponsored by the Open Encyclopedia of Cognitive Science									
10:30 AM	Gleitman Talk (Moir a Dillon) + Oral Talks Salon 7	Symposium 1 The cognitive science of caregiving Salon 1	Symposium 2 I Know I Should: Normative Competence From Biology To AI Salon 2	Oral Talk Cognition 1 Salon 3	Oral Talk Computational modelling 1 Salon 4	Oral Talk Language 1 Salon 5	Oral Talk Development of Social Cognition 1 Salon 6	Oral Talk Memory 1 Nob Hill C	Oral Talk Language and Communication 1 Nob Hill D	Oral Talk Joint Action and Coordination Nob Hill A
10:45 AM										
11:00 AM										
11:15 AM										
11:30 AM										
11:45 AM										
12:00 PM	Lunch on Own (12:00 - 1:00 PM)								Science Communication Talk (12:00 PM - 1:00 PM) Nob Hill B	
12:15 PM										
12:30 PM										
12:45 PM										
1:00 PM	Poster Session 1 (1:00 PM - 2:15 PM)									
1:15 PM	Salon 8									
1:30 PM										
1:45 PM										
2:00 PM										
2:15 PM	Invited Symposium 1 Salon 7	Symposium 3 Advancing The Cognitive Science of Online Political Discourse Salon 1	Oral Talk Social Cognition 1 Nob Hill B	Oral Talk AI 1 Salon 3	Oral Talk Cognition 2 Salon 4	Oral Talk EEG Salon 5	Oral Talk Language 2 Salon 6	Oral Talk Language and Development 1 Nob Hill C	Oral Talk Learning and Development 1 Nob Hill D	Oral Talk Computational Modeling 2 Nob Hill A
2:30 PM										
2:45 PM										
3:00 PM										
3:15 PM										
3:30 PM										
3:45 PM	15 minute comfort break (3:45 PM- 4:00 PM)									
4:00 PM										
4:15 PM	Rumelhart Prize Presentation and Lecture: Nora Newcombe Salon 7 (4:00 PM - 5:15 PM)									
4:30 PM										
4:45 PM										
5:00 PM										
5:15 PM										
5:30 PM	Rumelhart Reception Salon 9 (5:15 PM - 6:30 PM)									
5:45 PM										
6:00 PM										
6:15 PM										

Registration & Exhibits (7:30 AM - 5:00 PM)

FRIDAY, AUGUST 1

Program and times subject to change

7:30 AM										
7:45 AM										
8:00 AM	Theme: The Role of AI in Theories of the Future									
8:15 AM										
8:30 AM	Refreshments Available (8:30 AM - 9:00 AM)									
8:45 AM	Rumelhart Symposium Salon 7	Symposium 4 Perception as a Foundation for Common- Sense Theories of the World Salon 2	Oral Talk Development of Social Cognition 2 Nob Hill B	Oral Talk Cognition 3 Salon 3	Oral Talk Cognition 4 Salon 4	Oral Talk Computational modelling 3 Salon 5	Oral Talk Emotion Salon 6	Oral Talk AI 2 Nob Hill C	Oral Talk Language and Development 2 Nob Hill D	Oral Talk Language and Computation 1 Nob Hill A
9:00 AM										
9:15 AM										
9:30 AM										
9:45 AM										
10:00 AM										
10:15 AM										
10:30 AM										
10:45 AM										
11:00 AM	Poster Session & Refreshments Salon 8 (10:30 AM - 12:00 PM)									
11:15 AM										
11:30 AM										
11:45 AM										
12:00 PM										
12:15 PM	Lunch on Own (12:00 PM - 1:00 PM)									
12:30 PM										
12:45 PM										
1:00 PM	Elman Prize Symposium: Timothy Rogers Salon 7	Symposium 5 The Emergence of Social Adaptation: How Children (and other Primates) Learn and Apply Social Norms to Navigate the World More Efficiently Salon 1	Symposium 6 The role of language in human and machine intelligence Salon 2	Oral Talk Language 3 Salon 3	Oral Talk Logic Salon 4	Oral Talk Cognition 5 Salon 5	Oral Talk Learning and Development 2 Salon 6	Oral Talk Memory 2 Nob Hill C	Oral Talk AI 3 Nob Hill D	Oral Talk Language and Computation 2 Nob Hill A
1:15 PM										
1:30 PM										
1:45 PM										
2:00 PM										
2:15 PM										
2:30 PM	15 minute comfort break (2:30 PM - 2:45 PM)									
2:45 PM										
3:00 PM	Keynote Address: Josh Tenenbaum Salon 7 (2:45 PM - 3:45 PM)									
3:15 PM										
3:30 PM										
3:45 PM	15 minute comfort break (3:45 PM - 4:00 PM)									
4:00 PM	Invited Symposium 2 Salon 7	Symposium 7 Cognitively Inspired Interpretability in Large Neural Networks Salon 1	Symposium 8 Defending Science in 2025 Salon 2	Oral Talk Language and Communication 2 Salon 3	Oral Talk AI 4 Salon 4	Oral Talk Cognition 6 Salon 5	Oral Talk Cognition 7 Salon 6	Oral Talk Reasoning Nob Hill C	Oral Talk Learning and Development 3 Nob Hill D	Oral Talk Language and Computation 3 Nob Hill A
4:15 PM										
4:30 PM										
4:45 PM										
5:00 PM										
5:15 PM										
5:30 PM										

Registration & Exhibits (8:30 AM - 5:00 PM)

Registration & Exhibits (8:30 AM - 5:00 PM)

SATURDAY, AUGUST 2

Program and times subject to change

											Registration & Exhibits (6:00 AM - 4:30 PM)
7:30 AM											
7:45 AM											
8:00 AM	Refreshments Available (8:00 AM - 8:30 AM)										
8:15 AM											
8:30 AM	A Year in CSS, a.k.a. The Business Meeting (8:30 AM - 9:00 AM)										
8:45 AM											
9:00 AM											
9:15 AM	Keynote Address: Lauren Ross Salon 7 (9:00 AM - 10:00 AM)										
9:30 AM											
9:45 AM											
10:00 AM	Refreshments Available (10:00 AM - 10:30 AM)										
10:15 AM											
10:30 AM	Glushko Talks (5-7) Salon 7	Symposium 9 Minds at School: Advancing cognitive science by measuring and modeling human learning in situ Salon 2	Oral Talk Language 4 Nob Hill B	Oral Talk Language and Development 3 Salon 3	Oral Talk Learning and Categorization Salon 4	Oral Talk Learning and Development 4 Salon 5	Oral Talk Perception 1 Salon 6	Oral Talk Cognition 8 Nob Hill C	Oral Talk Computational modelling 4 Nob Hill D	Oral Talk Social Cognition 2 Nob Hill A	
10:45 AM											
11:00 AM											
11:15 AM											
11:30 AM											
11:45 AM											
12:00 PM											
12:15 PM	Lunch on Own (12:00 - 1:00 PM)										
12:30 PM											
12:45 PM											
1:00 PM											
1:15 PM	Poster Session Salon 8 (1:00 PM - 2:15 PM)										
1:30 PM											
1:45 PM											
2:00 PM											
2:15 PM	Invited Symposium 3 Salon 7	Symposium 10 New Perspectives in Computational Modeling of Human Attention Salon 2	Symposium 11 Naturalistic observation of language development outside the home Nob Hill B	Oral Talk Computational modeling 5 Salon 3	Oral Talk Language 5 Salon 4	Oral Talk Perception 2 Salon 5	Oral Talk Learning and Development 5 Salon 6	Oral Talk Cognition 9 Nob Hill C	Oral Talk Language 6 Nob Hill D	Oral Talk Social Cognition 3 Nob Hill A	
2:30 PM											
2:45 PM											
3:00 PM											
3:15 PM											
3:30 PM											
3:45 PM	15 minute comfort break (3:45 PM- 4:00 PM)										
4:00 PM	Closing/Thank you (4:00 PM - 4:30 PM) Salon 7										
4:15 PM											

Registration & Exhibits (8:00 AM - 4:30 PM)

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LETTER FROM THE PRESIDENT

Dear CogSci 2025 Attendees,

Welcome to the 47th Annual Conference of the *Cognitive Science Society*, in San Francisco! This year's conference is fully hybrid. You join over a thousand in-person registrants and hundreds more virtual registrants in exchanging knowledge and ideas among our international scientific community. Special greetings to first-time attendees: thank you for joining the dialogue of our interdisciplinary field. I hope you find our Society as welcoming as I did at the first CogSci I attended back in 2008.

This is the first time CogSci has been held in San Francisco, and its third time in the broader San Francisco Bay Area (after Berkeley in 1981 and Stanford in 1997). But the Bay Area has been a vanguard and hub for cognitive science since the *first meeting of the Society in 1979*, when *fully 29% of all speakers and organizers hailed from the Bay Area!* Today, we have participants hailing from over 45 countries, but perusal of the conference program will doubtless persuade you that Bay Area representation remains strong.

The Bay Area is also heart of the tech industry, including artificial intelligence, which has been a core constituent discipline of cognitive science since the inception of our field. The core technology in today's artificial intelligence systems was in fact birthed by our field: after embryonic work in the 1960s, *artificial neural networks* lay largely dormant until the 1980s and 1990s, when the *Parallel Distributed Processing* movement transformed artificial intelligence and cognitive science. This movement was led by luminaries in cognitive science including the late *David Rumelhart*, whose *eponymous prize* is our field's very highest honor. Today, artificial neural networks are the fundamental technology underlying nearly all modern AI commercial technologies. This history is a striking instance of the world-changing innovation that results from sustained partnerships between university-based scientific communities and government investment in basic research funding—partnerships that are more important than ever to sustain today. Cognitive science has and continues to transform society around us.

The special theme of this year's conference, "Theories of the Past, Theories of the Future", underlines both our history and the transformative potential we offer the world. Our three keynote speakers, Sue Carey, Lauren Ross, and Josh Tenenbaum, will offer windows into foundational ideas, new theoretical horizons, and the role of AI in the cognitive science of the future. Our conference also features invited symposia on these topics, and special talks and symposia by our major prize winners: Moira Dillon, winner of the *Gleitman Prize*, Tim Rogers, winner of the *Elman Prize*, and Nora Newcombe, winner of the *Rumelhart Prize*. The pre-conference day workshops likewise reflect our field's interdisciplinarity, dynamism, and entrepreneurship.

On Wednesday, July 30, the day before the conference starts, we are holding numerous workshops in the morning, and then in the afternoon a special celebration commemorating the *25th anniversary of the Rumelhart Prize*, featuring talks by Bay Area prize recipients Jay McClelland and Alison Gopnik, as well as early-career standouts Tom McCoy and Ellie Pavlick. We are grateful to the *Internet Archive* for physically hosting this event and especially to Bob Glushko for his ongoing support of the Rumelhart Prize and of cognitive science in so many ways. Make sure to check it out!

As always, the CogSci conference and community are supported by numerous ongoing initiatives including our *affinity & discussion program*, *diversity & inclusion awards*, a *pop-up mentoring program*, the conference *code of conduct*, and the *CogSci Grove* sustainability effort. Please join me in thanking our numerous *sponsors and exhibitors*, and everyone who is working hard behind the scenes to support these programs and our scientific forums: among many others, our *Governing Board*; the Podium Conference Services team, especially Jude Ross, Tori Lunden, and Rachel Waller; the editorial teams of our society journals, especially Executive Editors Rick Dale (*Cognitive Science*) and Andrea Bender (*TopiCS*); this year's conference's Program Chairs Azzurra Ruggeri, David Barner, Caren Walker, and Neil Bramley; the reviewers, meta-reviewers, and sub-committee Chairs for the conference; and CSS Executive Officer Stephanie Denison. Making all this a reality is a community effort, so if you are interested in getting involved, please talk to any of us about how to pitch in.

The Cognitive Science Society is the premier international scholarly society for our discipline. These are challenging moments for science in some parts of the world, but in the broader perspective, cognitive science has never been stronger, and the prospects of our field are brighter than ever. Whether you're here at the conference in person or joining us remotely, I hope you share with me in fully enjoying the latest fruits of our discipline's best minds.

Yours Truly,



Roger Levy

President, Cognitive Science Society 2024-2025



WELCOME FROM THE PROGRAM CHAIRS

Welcome to the 47th Annual Conference of the Cognitive Science Society in San Francisco! We are happy to offer a hybrid conference format for this year, allowing researchers from across the globe to attend and share their work.

Our theme this year is “Theories of the Past; Theories of the Future”. Cognitive Science was born from a revolution that changed our methods, how researchers interact, and the theories we use to explain human behavior. Central to this was a flurry of new interactions between scientists in disparate fields like linguistics, computer science, philosophy, psychology, and anthropology, as well as a rapid transition to theories that centered the mind in explanation. The result was a new field that aimed to test theoretical debates relating to nativism, mental representations, consciousness, the origins of culture, and human morality using methods from diverse fields. After nearly 70 years of research in this new paradigm, a generational transition is now taking place, in which the founders of Cognitive Science who helped to create the theoretical underpinnings of the field pass the baton to a new generation of researchers. Meanwhile, new ideas and technologies brought about by rapid advances in AI raise questions about the status of debates that animated early work in cognitive science – including questions of learnability, the structure of mental representations, the nature of consciousness, and the moral status of intelligent systems. At CogSci 2025, keynote lectures and invited symposia explore these themes: the future of foundational ideas of our field, the role that AI and machine learning will play in theory-making, and the new and emerging ideas that will shape our field in years to come.

This year’s program will also include a wide range of talks by society members honored for their distinguished contributions. The Rumelhart Prize Keynote address will be given by Nora Newcombe, and the Rumelhart Symposium will honor her work, raising “Three Questions for Cognitive Science”. The Elman Prize Keynote will be given by Timothy Rogers, and the Elman Prize Symposium will honor his work on “Context, Control, and Representation in Semantic Cognition”. The Gleitman Prize Keynote will be given by Moira Dillon, to celebrate her early career contributions to cognitive science. There will also be a series of talks by Glushko prize winners receiving recognition for their outstanding dissertation research. Our contributed program includes 208 talks (150 confirmed in person; 24 confirmed virtual), as well as 1127 in-person and remote poster presentations, representing the diversity of topics and methods so critical to our field. In addition, we have nine pre-conference workshops.

Many people have contributed to Cognitive Science 2025. We are thankful to the 205 meta-reviewers and 1606 reviewers from our community. We are especially thankful to those of you who accepted extra reviews, sometimes late in the process.

Thank you for the guidance of Executive Officers Erica Wojcik and Stephanie Denison, of Society Past-President Anna Papafragou and President Roger Levy, and of the Governing Board. We thank Stefan Frank and Desmond Ong for technical support, the staff at Podium Conferences including Kat Jolin, Rachel Waller, Jude Ross, Tori Lunden, and James Stewart at PCS. In addition, we would like to thank the multiple Program Committee members who reviewed symposia, member abstracts, and workshop proposals; made decisions about the numerous conference awards; supported volunteers and arranged sponsors. The full list of all those that made this conference possible is provided on the following pages.

We and the society are also grateful to the conference sponsors including the Robert J. Glushko and Pamela Samuelson Fund, Meta, Google Deepmind, University of Chicago, Duolingo, MIT Press, FindingFive, Max Planck School of Cognition, Wearable Sensing, Frontiers, Oxford University Press. Lastly, we thank all the society members who submitted their research. We hope that CogSci 2025 stimulates debate about the nature of our field, and what the future holds for Cognitive Science.

Your Program Co-Chairs,

David Barner, *University of California, San Diego*

Neil Bramley, *University of Edinburgh*

Azzurra Ruggeri, *Central European University*

Caren Walker, *University of California, San Diego*

ORGANIZING COMMITTEE

Society Conference Committee	Jenny Culbertson (Chair) Flo Angorro Anna Papafragou Janet Hsiao Desmond Ong Lilia Rissman Andy Perfors Yang Xu	Member Abstracts	Jonathan Kominsky (chair) Juan Giraldo Huertas Juan Pablo Franko Elizabeth Lapidow Stefan Frank
Prizes and Awards	Alex Doumas (chair) Julian Jara-Ettinger Hongjing Lu Andrea Martin Frank Mollica Benjamin Rottman	Symposia	Robert Goldstone (chair) Jasbi Masoud Marina Bedney Judy Fan Eva Wittenberg John Spencer Vanessa Simmering Suparna Rajaram
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		Social Media & Graphics	Marcelo Viridiano
		Sponsorship	Tom Griffiths (chair) Lori Holt Eva Wittenberg
		Volunteer Coordinator	Yung Han Khoe



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SOCIETY INFORMATION

ABOUT THE COGNITIVE SCIENCE SOCIETY

The Cognitive Science Society brings together researchers from around the world who hold a common goal: understanding the nature of the human mind. The mission of the Society is to promote Cognitive Science as a discipline, and to foster scientific interchange among researchers in various areas of study, including Artificial Intelligence, Linguistics, Anthropology, Psychology, Neuroscience, Philosophy, and Education.

The Society is a non-profit professional organization, and its activities include sponsoring an annual conference and publishing the journals *Cognitive Science* and *TopiCS*.

GOVERNANCE

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Senior Conference Manager: **Jude Ross**

Junior Conference & Association Manager: **Tori Lunden**

Conference & Association Assistant: **Rachel Waller**

COGNITIVE SCIENCE SOCIETY BUSINESS MEETING

A Year in CSS, a.k.a. The Annual Business Meeting

Saturday, August 2, 2025 | 8:30 AM – 9:30 AM | Salon 7

MEMBERSHIP INFORMATION

Your membership dues help support important activities by the Society, including our expanding accessibility, communications, diversity, and environmental responsibility initiatives. Most importantly, members help us achieve our mission to expand our understanding of the human mind, to promote Cognitive Science as a discipline, and to foster scientific interchange among researchers in various areas of study, including Anthropology, Artificial Intelligence, Education, Linguistics, Neuroscience, Philosophy and Psychology.

In addition to the connections you will make with fellow members, your CSS membership also includes access to the following:

- Ability to participate in society elections
- Opportunities for professional development and networking
- Web-based electronic access to Cognitive Science Journal and Topics in Cognitive Science (TopiCS)
- Reduced registration fees at the Annual Meeting of the Cognitive Science Society
- Reduced subscription rates to the journals *Trends in Cognitive Sciences*,



Trends in Neurosciences, and Connection Science

- Reduced subscription rate to the Journal of Experimental and Theoretical Artificial Intelligence
- Discounted book prices from select publishers
- Online access to Policy Insights from Behavioral and Brain Sciences

COGNITIVE SCIENCE SOCIETY GROVE

The Cognitive Science Society has established the CogSci Grove, which aims to mobilise cognitive scientists to offset carbon emissions associated with their professional activities. To date, over 2000 trees have been planted in protected sites in the Scottish Highlands where they will create homes for wildlife and forests for the future. More information is available on [the website](#).



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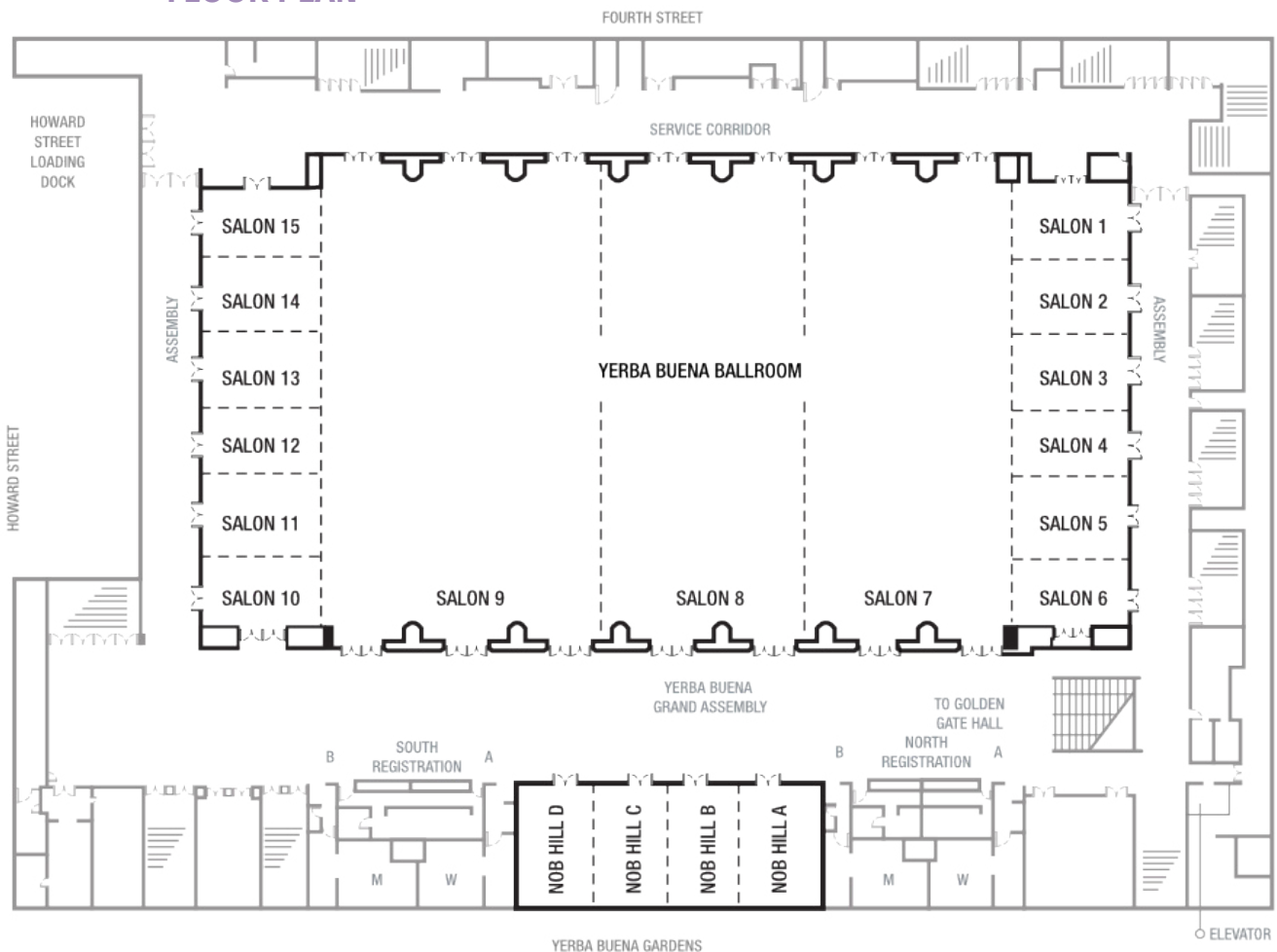
SAN FRANCISCO MARRIOTT MARQUIS

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FLOOR PLAN



REGISTRATION

The registration/information desk is open daily during the following hours:

DATE	TIME	LOCATION
Wednesday, July 30	7:00 AM – 5:00 PM	Atrium
Thursday, July 31	7:30 AM – 5:00 PM	
Friday, August 1	8:30 AM – 5:00 PM	NORTH REGISTRATION
Saturday, August 2	8:00 AM – 4:30 PM	

CODE OF CONDUCT

By entering the virtual platform and participating in CogSci 2025, you are agreeing to the CogSci 2025 Code of Conduct. To read the code of conduct, please [click here](#)

TECHNICAL HELP DURING THE VIRTUAL CONFERENCE

If you encounter any technical issues with the program app, Underline, please contact the provider directly, by either visiting the ‘Help Desk’ while online, or emailing cogsci2025@underline.io.

LOST AND FOUND

Lost and Found is located at Registration. The Cognitive Science Society is not responsible for any missing or stolen personal items.

IN CASE OF EMERGENCY

The emergency number in the USA is 911.

COFFEE BREAKS & LUNCH

Coffee, tea, and water will be available in the poster hall area at the designated break times from Thursday – Saturday for all attendees.

Lunch is on your own each day of the conference (Thursday-Saturday). Various nearby options are only a short walk away including:

Trace

The Grove

Zevi



ON-DEMAND PROGRAM ACCESS AFTER THE CONFERENCE

Selected components of CogSci 2025 will be recorded and made available in late August via the Underline platform. Attendees and members will be notified by email when these recordings are available. You will gain access via the email address used for your registration to the 2025 CogSci conference and will be available until July 2026.

CONFERENCE INTERNET ACCESS

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CogSci Keynote Speakers

Implicit and iconic formats; proto-conceptual contents



Susan Carey, *Harvard University*

THURSDAY, JULY 31 | 09:00 - 10:00 | SALON 7

Carey investigates the origins of human conceptual representation and has conducted work on core systems of knowledge, word learning, the construction of intuitive theories, and case studies of conceptual change including number, causal reasoning, and the language of thought. Among her most important contributions is the argument that human knowledge emanates from rich innate structures that are enriched through processes of conceptual change.

Scaling Intelligence the Human Way: Building a Shared Future for AI and Cog Sci



Josh Tenenbaum, *Massachusetts Institute of Technology*

FRIDAY, AUGUST 1 | 02:45PM - 03:45PM | SALON 7

Tenenbaum's work investigates the computational structure of human cognition, and includes studies of concept learning, similarity judgment, causal inference, and the formation of perceptual representations.

A key focus is the nature and origin of common-sense theories, and how humans construct concepts, theories and skills from minimal examples.

Cognitive science and its philosophy: Looking to the future



Lauren Ross, *University of California, Irvine*

SATURDAY, AUGUST 2 | 09:00AM - 10:00AM | SALON 7

Ross specializes in the philosophy of science, focusing on explanation and causation within biology, neuroscience, and medicine. Her research includes projects that explore the nature of scientific explanation, the variety of causal structures and types of explanation used in these fields, and the underlying rationale for specific forms of causal reasoning. By investigating how scientists explain phenomena and infer causal relationships, her work addresses the conceptual foundations of empirical research in the life sciences and medicine.



CogSci Awards

THE DAVID E. RUMELHART PRIZE

The David E. Rumelhart Prize is awarded annually to an individual or collaborative team making a significant contemporary contribution to the theoretical foundations of human cognition. Contributions may be formal in nature: mathematical modeling of human cognitive processes, formal analysis of language and other products of human cognitive activity, and computational analyses of human cognition using symbolic or non-symbolic frameworks all fall within the scope of the award.

The David E. Rumelhart Prize is funded by the Robert J. Glushko and Pamela Samuelson Foundation. Robert J. Glushko received a Ph.D. in Cognitive Psychology from the University of California, San Diego in 1979 under Rumelhart's supervision. He is an Adjunct Full Professor in the Cognitive Science Program at the University of California, Berkeley.

The prize consists of a hand-crafted, custom bronze medal, a certificate, a citation of the awardee's contribution, and a monetary award of \$100,000.

THE 2025 RUMELHART PRIZE HAS BEEN AWARDED TO



Nora Newcombe, *Temple University*

Nora S. Newcombe (Ph.D., Harvard), is the Laura H. Carnell Professor of Psychology and Neuroscience at Temple University. Her research in cognition and cognitive development centers on spatial cognition and episodic memory, along with translational work on STEM education. She is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and the Society of Experimental Psychologists. Past honors include the Distinguished Scientific Contributions Award from SRCD, the William James Fellow Award from APS, the Howard Crosby Warren Medal from SEP, and the Award for Distinguished Service to Psychological Science from APA.

RUMELHART PRIZE PRESENTATION

Three Questions for Cognitive Science

Nora Newcombe, *Temple University*

THURSDAY, JULY 31 | 04:00PM – 05:15PM | SALON 7

Researchers in cognitive development and cognitive science have engaged in long-standing debates concerning nativist versus empiricist perspectives on the origins of knowledge, the existence and nature of representations, and the importance of embodiment. Recognizing the enormous scope of these questions, I will concentrate on three illustrations: the geometric module debate, the cognitive map debate, and the development of mental rotation.



In doing so, I will highlight the importance of charting individual variation as well as modal development, using an evolutionary perspective and cross-species data, and taking an emergentist experience-expectant and experience-dependent approach to development and to adult cognition.

THE RUMELHART PRIZE RECEPTION AND ANNOUNCEMENT

The Rumelhart Reception and Announcement of the 26th Rumelhart Prize Recipient follows the Prize Presentation & Lecture on **Thursday, July 31 from 5:15PM – 6:30PM** in the Golden Gate Ballroom of the San Francisco Marriott Marquis. The Rumelhart Reception is sponsored by the Robert J. Glushko and Pamela Samuelson Foundation.

RUMELHART SYMPOSIUM

FRIDAY, AUGUST 1 | 09:00AM – 10:30AM | SALON 7

In honor of Nora Newcombe, this year's Rumelhart Award recipient, research related to her work will be presented in this special symposium.

Symposium Chair: **Nora Newcombe**, *Temple University*

Presenters:

Vlad Ayzenberg, *Temple University*

Chi Thao Ngo, *Max Planck Institute for Human Development*

Ilyse Resnick, *University of Canberra*

THE JEFFREY L. ELMAN PRIZE FOR SCIENTIFIC ACHIEVEMENT AND COMMUNITY BUILDING

In recognition of Jeffrey L. Elman's many contributions to the field of cognitive science, the Cognitive Science Society in partnership with the University of California, San Diego awards a prize at the Cognitive Science Society annual meeting to mid-career cognitive scientists (individuals or teams) whose careers exemplify the twin strands of scientific excellence and commitment to community-building and service that were so evident in his career. Jeffrey Elman made major contributions to the theoretical foundations of human cognition, most notably in the areas of language and development. His work continues to have an immense impact across fields as diverse as cognitive science, psycholinguistics, developmental psychology, evolutionary theory, computer science and linguistics. In addition to his important intellectual contributions, he also was an inspiring scientific citizen who is remembered for his generosity and mentorship.

THE 2025 ELMAN PRIZE HAS BEEN AWARDED TO



Timothy T. Rogers, University of Wisconsin-Madison

Tim Rogers received his B.A. in Psychology and English at the University of Waterloo (Canada), Ph.D. in Psychology at the Carnegie Mellon University (US), and was a postdoctoral fellow at the MRC Cognition and Brain Science Unit at the University of Cambridge (UK). Tim began as an Assistant Professor in the Department of Psychology at the University of Wisconsin-Madison (US) in 2004. He currently is a Professor of Psychology, and a Faculty Fellow at the Wisconsin Institute for Discovery, University of Wisconsin-Madison.

ELMAN PRIZE SYMPOSIUM

In honor of Tim Rogers, this year's Jeffrey L. Elman Prize recipient, research related to his work will be presented in this special symposium.

Context, control, and representation in semantic cognition

FRIDAY, AUGUST 1 | 01:00PM – 02:30PM | SALON 7

Symposium chairs: **Tim Rogers**, *University of Wisconsin-Madison*

Moderator: **Chris Cox**, *Louisiana State University*

Presenters:

Tyler Giallanza, *Princeton University* & **Jon Cohen**, *Princeton University*

Rebecca Jackson, *University of York* & **Matt Lambon Ralph**, *University of Cambridge*

Saskia Frisby, *University of Cambridge* & **Chris Cox**, *Louisiana State University*



THE LILA R. GLEITMAN PRIZE FOR EARLY-CAREER CONTRIBUTIONS TO COGNITIVE SCIENCE

In recognition of Lila R. Gleitman's foundational role in the field of cognitive science, the Cognitive Science Society in partnership with the Society for Language Development (which Gleitman founded and led for many years), awards a prize at the Cognitive Science Society annual meeting to an early-career woman in cognitive science whose outstanding research and scholarly promise best represent the intellectual depth, ingenuity and significance of the work carried out by Lila R. Gleitman throughout her long scientific career.

In a career that spanned six decades, Gleitman made numerous foundational discoveries in the study of language and cognition. She is particularly known for her research on how children acquire language, how language and thought are related, and the role of syntax in shaping the direction of word learning.

Gleitman was a legendary mentor who trained a long and distinguished list of psycholinguists, many of whom went on to become central figures in the field. In 1991, Gleitman co-founded the famous Institute for Research in Cognitive Science at Penn, which she co-directed until 2001. Under her leadership, the Institute became a model for promoting interactions between psychology, linguistics, computer science, philosophy, neuroscience and other branches of inquiry that contribute to the computational study of the mind.

THE 2025 GLEITMAN PRIZE HAS BEEN AWARDED TO



Moira Dillon, New York University

Dr. Dillon is an Assistant Professor of Psychology at New York University. She received her Ph.D. in Psychology at Harvard University in 2017, following a B.A. in Cognitive Science at Yale University. Dr. Dillon's research focuses on human understanding of the abstract concepts of Euclidean geometry, especially whether these concepts form a single unitary system, a 'language of thought' of geometry. To address this question, she has examined how aspects of geometry develop from infancy to adulthood, and how geometric principles manifest themselves within different representational domains and task requirements (e.g., object representation, navigation and scene perception, map reading, word learning). Her findings have challenged the 'language of thought' thesis for geometry by showing that infants are sensitive to only some foundational properties of Euclidean geometry (e.g. length relations for 2D planar figures) but not others (e.g. angular relations); and by arguing that what might appear to be a unified geometric system in adults is actually the product of two independent systems (i.e. navigation vs. object recognition) which appear early in development but are combined over development, possibly through the use of language, a uniquely human capacity. The early presence of the two systems results in quite different sensitivities to geometric properties depending on the cognitive domains in which they are applied. Dr. Dillon's work also probes the effects that this separation of geometric domains



has on word learning, showing that generalizations of the meaning of a new word will vary depending on the domain that it engages, and on children's representations of layouts in drawings, which show strong tendencies to focus on objects rather than scenes.

GLEITMAN TALK

THURSDAY, JULY 31, 2025 | 10:30AM – 12:00PM | SALON 7

The cognitive origins of geometry

Speaker: **Moira Dillon**, *New York University*

Since at least Plato, geometry has been held up as the model of abstract thought, and great thinkers have sought its origins. Particular, modular “languages of thought” have been invoked to explain humans’ unique cognitive achievements in some domains, including geometry. Contrary to this hypothesis, I propose that human geometry is largely rooted in navigation-like mental processes that merely approximate Euclidean geometry and are shared by humans and nonhuman animals. Humans uniquely can access this geometry with natural language and use it flexibly in novel contexts, ultimately supporting our capacity for formal learning. I thus provide a model for cognitive explanations of uniquely human knowledge that relies on the interaction between our evolutionary cognitive inheritance and our species-unique natural language.

THE ROBERT J. GLUSHKO DISSERTATION PRIZES



The Cognitive Science Society and the Robert J. Glushko and Pamela Samuelson Foundation award up to five outstanding dissertation prizes in cognitive science each year. The goals of these prizes are to increase the prominence of cognitive science and encourage students to engage in interdisciplinary efforts to understand minds and intelligent systems. The hope is that the prizes will recognize and honor young researchers conducting ground-breaking research in cognitive science. The eventual goal is to aid in efforts to bridge

between the areas of cognitive science and create theories of general interest to the multiple fields concerned with scientifically understanding the nature of minds and intelligent systems. Promoting a unified cognitive science is consistent with the belief that understanding how minds work will require the synthesis of many different empirical methods, formal tools, and analytic theories. 2011 was the inaugural year of this prize, and a new competition is held annually.



The Glushko Dissertation Prize Symposium, chaired by **Jessica Cantlon**, *Carnegie Mellon University*, showcases these 2025 award winners

SATURDAY, AUGUST 2 | 10:30AM – 12:00PM | SALON 7

2025 WINNERS

Vladimir Chituc – 2024 PhD Thesis *“Moral and Affective Psychophysics: Or, How (Not) to Study Subjective Magnitude”* from Yale University

Anna Hadjitofi – 2024 PhD Thesis *“Neural Mechanisms of Dance Communication in Honeybees”* from the University of Edinburgh

Antonia Langenhoff – 2024 PhD Thesis *“Disagreement Prompts Young Children’s Metacognitive Reflection”* from Stanford University

Emalie McMahon – 2024 PhD Thesis *“Hierarchical Computations of Social Interaction Perception in the Human Mind and Brain”* from Johns Hopkins University

Francesco Poli – 2024 PhD Thesis *“Developing Models for Learning and Exploration”* from the University of Cambridge

Lionel Wong – 2024 PhD Thesis *“From Words to World: Bridging Language and Thought”* from Stanford University

FELLOWS



Fellows of the Cognitive Science Society are individuals whose research has exhibited sustained excellence and had sustained impact on the Cognitive Science community. A Fellow's research is typically inter-disciplinary but may be disciplinary research with significant impact on Cognitive Science. Fellows often participate significantly in the Cognitive Science community but not necessarily. Fellows are recognized for their professional integrity. All other factors being equal, the Fellows election process attempts to balance diversity in gender, geographical region of the world, and intellectual area.

CONGRATULATIONS TO THE NEW FELLOWS OF 2025



Ruth Byrne Ph.D.,
Trinity College Dublin



Arthur Graesser Ph.D.,
*University of Memphis and
University of Oxford*



Seana Coulson Ph.D.,
University of California San Diego



Ping Li Ph.D.,
Hong Kong Polytechnic University



Adele E. Goldberg Ph.D.,
Princeton University



Asli Ozyurek Ph.D.,
*Max Planck Institute for
Psycholinguistics and Radboud
University Nijmegen*



CONFERENCE AWARDS

MARR PRIZE

Sponsored by **The Cognitive Science Society**

The Marr Prize, named in honor of the late David Marr, is given to the best student paper at the conference. All student first authors are eligible for the Marr Prize for the best student paper. Authors who graduated within the last 6 months and are no longer students are also eligible if the work being reported was conducted entirely while the first author was a student.

2025 WINNER

Nathaniel Braswell, *Yale University*

Wild Possibilities: Evidence of Modal Cognition in Free-Ranging Rhesus

COMPUTATION MODELING PRIZES

Sponsored by **The Cognitive Science Society**

Four prizes are awarded for the best full paper submissions that involve computational cognitive modeling. The four separate prizes represent the best modeling work in the respective areas of: perception/action, language, higher-level cognition, and applied cognition. The prizes are open to researchers at any level (student, post-doctoral fellow, research scientist, faculty) from any nationality. Any form of computational cognitive modeling relevant to cognitive science will be eligible, including (but not limited to) neural networks, symbolic models, Bayesian models, dynamic systems, or various hybrids.

2025 WINNERS

APPLIED COGNITION

Siddharth Suresh, *University of Wisconsin Madison and*

Kushin Mukherjee, *University of Wisconsin Madison* *co-first authors*

HIGHER-LEVEL COGNITION

Ziwei Cheng, *University of California, Berkeley*

LANGUAGE

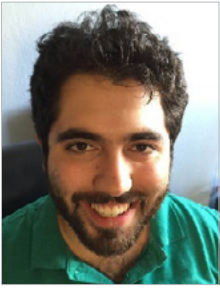
Neil Rathi, *Stanford University*

PERCEPTION & ACTION

Shuze Liu, *Harvard University*

SAYAN GUL AWARD

In honor of Sayan Gul



Sayan Gul was an undergraduate at University of California, Berkeley studying cognitive science and computer science and had great potential as a cognitive scientist. He died tragically while traveling to the Annual Conference of the Cognitive Science Society for the presentation of his research. This award is intended to support similarly outstanding undergraduates conducting research in cognitive science.

2025 WINNER

Eric Wang, *The Chinese University of Hong Kong*

Emotion influences behavioral outcomes and attention during goal-directed reading

GRADUATE STUDENT DIVERSITY AWARDS

Sponsored by **The Cognitive Science Society**

Up to ten prizes are awarded to promote participation in the conference for graduate students who bring diversity to the society, in particular under-represented racial/ethnic groups and citizens of under-represented and economically disadvantaged countries who are presenting at the conference. Please note that under-represented countries are identified using the World Bank list of developing nations (Low Income, Low-Middle Income, or Upper-Middle Income). Countries considered High Income Economies are not eligible.

2025 WINNERS

Hemali Angne, *Rutgers University*

Koorosh Ariyae, *University of Toronto*

Shuting Chen, *University of Edinburgh*

Y. Ivette Colón, *University of Wisconsin*

Calvin Deans-Browne, *University College London*

Khuyen N. Le, *University of California, San Diego*

Parth Maradia, *International Institute of Information Technology, Hyderabad*

Zeynep Marasli, *University of Illinois, Champaign-Urbana*

Glen W. Spiteri, *University of California, Los Angeles*

Christina Steele, *Harvard University*

DIVERSITY & SOCIAL INEQUALITY AWARDS

Sponsored by **The Cognitive Science Society**

This prize recognizes the best work at our annual conference that tackles issues of diversity and social inequality. Eligible work can include studies of racism, sexism, and other forms of inequality, or more generally tackle the issue of psychological and behavioral diversity in cognitive science. The prize is open to researchers at any level (student, post-doctoral fellow, research scientist, faculty) from any nationality.



2025 WINNER

Wei Xie, *College of Computer Science and Technology, National University of Defense Technology, Chang Sha, China*

AIPsychoBench: Understanding the Psychometric Differences between LLMs and Humans

DISCIPLINARY DIVERSITY & INTEGRATION AWARD IN COGNITIVE SCIENCE

Sponsored by **The Cognitive Science Society**

This conference prize recognizes the best cognitive science research in disciplines that have been traditionally under-represented at our annual conferences and journals. Eligible submissions include novel interdisciplinary perspectives and integrative approaches to understanding the human mind. The prize is open to researchers at any level (student to faculty) and will be awarded to full papers and/or organized symposia.

2025 PAPER WINNERS

Junsong Lu, *University of California, San Diego*

Warren Zhu, *University of Toronto*

2025 SYMPOSIA WINNER

Reut Shachnai, *Yale University*

Claire Augusta Bergey, *Stanford University*

STUDENT TRAVEL GRANTS

Sponsored by **the Robert J. Glushko and Pamela Samuelson Fund**

Up to \$10,000 (USD) is awarded to undergraduate and graduate students for travel support to attend the Conference. Any student who is the first author on a full-length paper to be presented at the conference is eligible. Awardees are selected on the basis of need and submission quality, with an effort to achieve a broad representation among academic institutions.

2025 WINNERS

Victor Btesh, *University College London*

Yanqing Dong, *Taiyuan University of Technology*

Zhen Li, *Zhejiang University*

Si Ma, *Rutgers University*

Jiabing Pan, *The Hong Kong Polytechnic University*

Aditi Singh, *New York University*

Tiziana Srdoc, *Central European University*

David Yang, *University of California, Berkeley*

Lance Ying, *Harvard University*

Yang Yu, *East China Normal University*

CogSci 2025 DETAILED SCHEDULE

PROGRAM SCHEDULE

All times below are Pacific Daylight Time (PDT). **Please note:** the program app will adjust the conference schedule to your specific time zone.

WEDNESDAY, JULY 30, 2025

7:00am - 5:00pm **REGISTRATION OPEN**
Atrium

8:30am - 12:00pm **WORKSHOP 1:**
Pacific A ***Putting it together: Interaction Between Domains of Cognition***
Shari Liu: Johns Hopkins University; Joseph Outa: Johns Hopkins University

8:30am - 12:00pm **WORKSHOP 2:**
Pacific B ***Reasoning Across Minds and Machines***
Hanbo Xie: Georgia Institute of Technology; Jian-Qiao Zhu: Princeton University; Hua-Dong Xiong: Georgia Institute of Technology; Robert Wilson: Georgia Tech; Tom Griffiths: Princeton University

8:30am - 12:00pm **WORKSHOP 3:**
Pacific C ***Information Theory and Cognitive Science***
Noga Zaslavsky: NYU; Thomas A Langlois: MIT; Nathaniel Imel: New York University; Clara Meister: ETH Zürich; Eleonora Gualdoni: Universitat Pompeu Fabra; Daniel Polani: University of Hertfordshire

8:30am - 12:00pm **WORKSHOP 4:**
Pacific E ***Minds in the Making: Cognitive Science and Design Thinking***
Junyi Chu: Stanford University; Arnav Verma: Stanford University; Guy Davidson: New York University; Robbie Fraser: Stanford University; Judith E. Fan: Stanford University

8:30am - 12:00pm **WORKSHOP 5:**
Pacific J ***Behavioral Network Science***
Thomas Hills: University of Warwick

8:30am - 12:00pm **WORKSHOP 6:**
Pacific G ***Succeeding in the Start-up Ecosystem***
Linus Liang: Kyber Knight Capital; Robert Glushko: University of California: Berkeley; Douglas Bemis: Syntacts.com; Sam Ramji: Sailplane Ai; Andreas Stuhlmüller: Ought Inc.

8:30am - 12:00pm **WORKSHOP 7:**
Pacific H ***Meta-reasoning: Deciding which Game to Play, which Problem to Solve, and When to Quit***
Lionel Wong: Stanford University; Tracey Mills: Massachusetts Institute of Technology; Ionatan Kuperwajs: Princeton University; Katherine M Collins: University of Cambridge; Tom Griffiths: Princeton University

8:30am - 12:00pm **WORKSHOP 8:**
Pacific I ***Building computational models of social cognition in memo***
Kartik Chandra: Massachusetts Institute of Technology; Sean Dae Houlihan: Dartmouth College; Max Kleiman-Weiner: University of Washington

8:30am - 12:00pm **WORKSHOP 9:**
Pacific F ***All you ever wanted to ask about Dynamic Field Theory***
Gregor Schöner: Ruhr-Universität Bochum; Yulia Sandamirskaya: ZHAW; Aaron Buss: University of Tennessee

WEDNESDAY, JULY 30



10:00am-10:30am COFFEE BREAK (ALL WORKSHOPS)*Pacific Foyer***12:15pm - 1:00pm DISCUSSION GROUP:***Pacific A****Trilingual Minds Cognitive Circle***

Organizers and Presenters:

Dr. Tariq Rafeeq Khan: *Department of Philosophy, Islamic University of Science and Technology Awantipora***Dr. Zahid Maqbool:** *Department of Computer Science, Cluster University Srinagar***Prof. Mushtaq Ahmad Ganai:** *Iqbal Institute of Cultural and Philosophy, The University of Kashmir***Prof. Aejaaz Mohammad Sheikh:** *Department of Linguistics, University of Kashmir***Dr. Asharaf Ziya:** *Department of Kashmir, Jammu and Kashmir Higher Education Department***Prof. Priyavrat Shukla:** *Department of Philosophy, Rani Durgvati University Jabalpur***Dr. Amir Reyaz:** *Department of Philosophy, Aligarh Muslim University***Dr. Umer Habib:** *Department of Psychology, Jammu and Kashmir Higher Education Department***Dr. Hilal Ahmad:** *Department of Social Psychology, SKIMS Srinagar***2:00pm - 5:00pm THE RUMELHART 25th ANNIVERSARY EVENT*****Internet Archive******300 Funston Ave,******Richmond District******San Francisco***

Join us for a special preconference symposium event celebrating 25 years of the David E. Rumelhart Prize, featuring a lineup of visionary thinkers whose work exemplifies the Rumelhart Prize's spirit.

Presenters:

Alison Gopnik: *University of California, Berkeley***Jay McClelland:** *Stanford University***Ellie Pavlick:** *Brown University***Tom McCoy:** *Yale University***THURSDAY, JULY 31, 2025****7:30am - 5:00pm REGISTRATION***Northern**Registration***8:00am - 8:30am MORNING COFFEE***Yerba Buena**Grand Assembly***8:30am - 10:00am WELCOME + OPENING KEYNOTE ADDRESS:***Salon 7***Dr. Susan Carey:** *Harvard University***Chair: David Barner,** *University of California, San Diego****Implicit and iconic formats; proto-conceptual contents*****10:00am-10:30am COFFEE BREAK***Salon 8*

Sponsored by



OPEN ENCYCLOPEDIA OF

Cognitive Science

10:30am - 12:00pm GLEITMAN AWARD WINNER TALK:*Salon 7* **Moira (Molly) Dillon:** *New York University****The cognitive origins of geometry***Chair: **Barbara Landau,** *Johns Hopkins University*

Additional Presenters

Testing the Emergentist Theory of Number Perception Development**Miranda Long:** *University of British Columbia****Just unlucky? Children are sensitive to the cause of rejection*****Aarthi Popat:** *Yale University***10:30am - 12:00pm SYMPOSIUM 1:***Salon 1* ***The cognitive science of caregiving*****Reut Shachnai:** *Yale University*; **Julia Anne Leonard:** *Yale University*; **Alison Gopnik:** *University of California, Berkeley*; **Max Kleiman-Weiner:** *University of Washington*; **Lindsey J Powell:** *University of California, San Diego***10:30am - 12:00pm SYMPOSIUM 2:***Salon 2* ***I Know I Should: Normative Competence From Biology To AI*****Joel Leibo:** *Google DeepMind*; **Sydney Levine:** *Allen Institute for AI*; **John Michael:** *University of Milan*; **Jordan Theriault:** *Northeastern University*; **Luca Tummolini:** *National Research Council of Italy***10:30am - 12:00pm ORAL TALK: COGNITION 1***Salon 3* **T.01.1: *Two paths to variation in semantic judgments: How ambiguity and conceptual diversity drive individual differences in meaning***Presenting author: **Di Liu****Di Liu:** *Johns Hopkins University*; **Raja Marjeh:** *Princeton University*; **Nori Jacoby:** *Cornell University*; **Robert Hawkins:** *Stanford University***T.01.2: *Modeling intrinsic motivation as reflective planning***Presenting author: **Yang Xiang****Yang Xiang:** *Harvard University*; **Samuel Gershman:** *Harvard University***T.01.3: *How goals affect information seeking***Presenting author: **Gili Karni****Gili Karni:** *Princeton*; **Yael Niv:** *Princeton University*; **Nathaniel Daw:** *Princeton University***T.01.4: *Behavioral Characteristics of Learning Phases: How Individual Differences Shape Learning Trajectories in a Virtual Environment***Presenting author: **Anaïs Raison****Anaïs Raison:** *UBO*; **LEBIGOT Nathalie:** *UBO*; **Olivier Augereau:** *ENIB*; **Franck Ganier:** *UBO*

10:30am -12:00pm ORAL TALK: COMPUTATIONAL MODELLING 1

Salon 4

T.02.1: *Heterogeneity in Loss Aversion Estimates across Modeling Approaches*Presenting author: **Akhil Abburu****Akhil Abburu**: Indian Institute of Technology Delhi; **Sumeet Agarwal**: Indian Institute of Technology Delhi; **Sumitava Mukherjee**: Indian Institute of Technology Delhi**T.02.2: *Visual Theory of Mind Enables the Invention of Proto-Writing***Presenting author: **Benjamin A Spiegel****Benjamin A Spiegel**: Brown University; **Lucas Gelfond**: Brown University; **George Konidakis**: Brown University**T.02.3: *From Minimal Traces to Scenarios of the Past: A Neuro-Computational Model on Regaining Categoricity and Compositionality in Remembering***Presenting author: **Markus Werning****Francesca Righetti**: Ruhr University Bochum; **Zahra Fayyaz**: Institute for neural computation; **Laurenz Wiskott**: Ruhr University Bochum; **Markus Werning**: Ruhr University Bochum**T.02.4: *Modeling Open-World Cognition as On-Demand Synthesis of Probabilistic Models***Presenting author: **Lionel Wong****Lionel Wong**: Stanford University; **Katherine M Collins**: MIT; **Lance Ying**: Massachusetts Institute of Technology; **Cedegao E Zhang**: Massachusetts Institute of Technology; **Adrian Weller**: University of Cambridge; **Tobias Gerstenberg**: Stanford University; **Timothy O'Donnell**: McGill University; **Alexander Lew**: Massachusetts Institute of Technology; **Jacob Andreas**: Massachusetts Institute of Technology; **Tyler Brooke-Wilson**: Yale University; **Joshua B. Tenenbaum**: Massachusetts Institute of Technology**10:30am -12:00pm ORAL TALK: LANGUAGE 1**

Salon 5

T.03.1: *Event construal through social verbs in English and German: The LISADA corpus*Presenting author: **Tiziana Srdoc****Tiziana Srdoc**: University of Vienna; **Elena Marx**: Central European University; **Eva Wittenberg**: Central European University**T.03.2: *Neuro-identity mixing impacts linguistic accommodation and regularisation: evidence from autistic and allistic interactions***Presenting author: **Lauren E F Fletcher****Lauren E F Fletcher**: University of Edinburgh; **Jennifer Culbertson**: University of Edinburgh; **Hugh Rabagliati**: University of Edinburgh**T.03.3: *Re-examining the tradeoff between lexicon size and average morphosyntactic complexity in recursive numeral systems***Presenting author: **David Yang****David Yang**: University of California, Berkeley; **Terry Regier**: University of California, Berkeley**T.03.4: *Usage frequency predicts lexicalization across languages***Presenting author: **Charles Kemp****Temuulen Khishigsuren**: University of Melbourne; **Francis Mollica**: University of Melbourne; **Ekaterina Vylomova**: The University of Melbourne; **Charles Kemp**: University of Melbourne

10:30am - 12:00pm ORAL TALK: DEVELOPMENT OF SOCIAL COGNITION 1

Salon 6

T.04.1: *Agent Preference in Children: The Role of Animacy and Event Coherence*

Presenting author: **Ceren Barış**

Ceren Barış: Özyeğin University; **Ercenur Ünal**: Max Planck Institute for Psycholinguistics

T.04.2: *Human newborns spontaneously attend to prosocial interactions*

Presenting author: **Kiley Hamlin**

Alessandra Geraci: University of Catania; **Luca Surian**: University of Trento; **Kiley Hamlin**: University of British Columbia

T.04.3: *Infants' recognition of social conventions*

Presenting author: **Victoria Hennessy**

Victoria Hennessy: University of California, San Diego; **Elizabeth Spelke**: Harvard University; **Lindsey J Powell**: UCSD

T.04.4: *Social Engagement Leads Infants to Represent People as Individuals*

Presenting author: **Brandon Matthew Woo**

Brandon Matthew Woo: University of California, Santa Barbara; **Haowei Peng**: Harvard University; **Christina Steele**: Harvard University; **Ashley J Thomas**: Harvard University

10:30am - 12:00pm ORAL TALK: MEMORY 1

Nob Hill C

T.05.1: *Investigating False Memory in the DRM Paradigm with Relational Category Content*

Presenting author: **Alexus S Longo**

Alexus S Longo: State University of New York at Binghamton; **Kenneth Kurtz**: Binghamton University

T.05.2: *Age-related differences in forming conjunctive memories of what, when and where*

Presenting author: **Xiangjuan Ren**

Xiangjuan Ren: UniversitatHamburg; **Marit Petzka**: UniversitatHamburg; **Nicolas Schuck**: UniversitatHamburg

T.05.3: *Memory Overlap Enhances Shared Feature Recognition but Hinders Specific Memory in Adolescents and Adults*

Presenting author: **Merron Woodbury**

Merron Woodbury: University of Toronto; **Sagana Vijayarajah**: University of Toronto; **Margaret L Schlichting**: University of Toronto

T.05.4: *A Metacognitive Model of Memory Encoding Modulated by Rewards*

Presenting author: **Si Ma**

Si Ma: Rutgers University, New Brunswick; **Qiong Zhang**: Rutgers University - New Brunswick



10:30am - 12:00pm ORAL TALK: LANGUAGE AND COMMUNICATION 1

Nob Hill D

T.06.1: *Blind Speakers' Path Gestures Are More Precise Than Those of Sighted and Blindfolded Speakers*Presenting author: **Ezgi Mamus****Ezgi Mamus:** Max Planck Institute for Psycholinguistics; **Mounika Kanakanti:** Max Planck Institute for Psycholinguistics; **Asli Özyürek:** Max Planck Institute**T.06.2: *Multimodal Dynamicity in Fictive Expressions: Exploring Co-speech Gestures in Spatial Descriptions***Presenting author: **Hinano Iida****Hinano Iida:** Nagoya University; **Takanori Nanahara:** Nagoya University; **Mai Mori:** Nagoya University**T.06.3: *Raising Eyebrows and Raising Pitch: How Non-Verbal Uncertainty Cues Influence Assessments of Probability Phrases***Presenting author: **Imke Nicole Augustina Spapens****Imke Nicole Augustina Spapens:** Tilburg University; **Ruben Vromans:** Tilburg University; **Ruud Koolen:** Tilburg University; **Marc Swerts:** Tilburg University**T.06.4: *Decoupling Hand and Mind in Abstract Temporal Reasoning: Variation in temporal gesture and temporal reasoning***Presenting author: **Shervin Nosrati****Shervin Nosrati:** University of California, Merced; **Leo Niehorster-Cook:** University of California, Merced; **Tyler Marghetis:** University of California, Merced**10:30am - 12:00pm ORAL TALK: JOINT ACTION AND COORDINATION**

Nob Hill A

T.07.1: *Fine-tuning conceptual structure of referents through coordinated interaction*Presenting author: **Miriam Poncelet-Romanelli****Miriam Poncelet-Romanelli:** Radboud University; **Thibaud Glasman:** Radboud University; **Amir Hodayun Hallajian:** Radboud University; **Jana Bašňáková:** Radboud University; **Bruno Galantucci:** Radboud University; **Ivan Toni:** Radboud University**T.07.2: *The trade-off between rule-based thinking and mutual benefit in tacit coordination***Presenting author: **Arthur Le Pargneux:** Harvard University;**Sydney Levine:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** Massachusetts Institute of Technology; **Fiery Cushman:** Harvard University**T.07.3: *Territorial Gestalt in the Strategy of Conflicts***Presenting author: **Zhen Li****Zhen Li:** Zhejiang University; **Ning Tang:** Soochow University; **Siyi Gong:** University of California, Los Angeles; **Jifan Zhou:** Zhejiang University; **Mowei Shen:** Zhejiang University; **Tao Gao:** University of California, Los Angeles**T.07.4: *Learning in Groups: Possible Advantages of Working in Threes***Presenting author: **Jennifer Wiley****Jennifer Wiley:** University of Illinois at Chicago; **Lena Hildenbrand:** University of Illinois at Chicago; **Tomas Ståhl:** University of Illinois at Chicago**12:00pm - 1:00pm LUNCH ON OWN**

12:00pm - 1:00pm SCIENCE COMMUNICATION TALK*Nob Hill B* (pre-registration required)

Join the Cognitive Science Society's Outreach Committee for a conversation with expert panelists on the state of outreach in Cognitive Science. Topics will include the vital importance of science communication for general audiences, getting started with outreach in your community, and outreach initiatives within the Society. Take home resources will be provided and lunch is included with registration.

1:00pm - 2:15pm POSTER SESSION 1*Salon 8***2:15pm - 3:45pm INVITED SYMPOSIUM 1:***Salon 7****The Future of Foundational Ideas of Cognitive Science***Chair: **Azzurra Ruggeri**: *Technical University of Munich***Eric Margolis**: *University of British Columbia***Jose Luis Bermudez**: *Texas A&M University***William Bechtel**: *University of California, San Diego***Adele Abrahamsen**: *University of California, San Diego***2:15pm - 3:45pm SYMPOSIUM 3:***Salon 1****Advancing The Cognitive Science of Online Political Discourse***

Micah Goldwater: *University of Sydney*; **Sze Yuh Nina Wang**: *Cornell University*; **Hunter Priniski**: *University of California, Los Angeles*; **Zachary Horne**: *University of Edinburgh*

2:15pm - 3:45pm ORAL TALK: SOCIAL COGNITION 1*Nob Hill B***T.08.1: *Communicating Global Income Rank Increases Charitable Donations***Presenting author: **Glen W Spiteri**

Glen W Spiteri: *University of California, Los Angeles*; **Maximilian Maier**: *University College London*; **Harry D. Coulson**: *University College London*; **Falk Lieder**: *University of California, Los Angeles*

T.08.2: *Limits of repetition in the illusion of consensus*Presenting author: **Brett Hayes**

Saoirse Ami Connor Desai: *University of Technology Sydney*; **Keith James Ransom**: *University of Adelaide*; **Laura Angles**: *University of New South Wales*; **Brett Hayes**: *University of New South Wales*

T.08.3: *Selective social influence on aesthetic evaluations via natural language testimony*Presenting author: **Yoko Urano**

Yoko Urano: *University of California, Berkeley*; **Bill Thompson**: *University of California, Berkeley*

T.08.4: *Social Learning Shapes Moral Strategy Selection*Presenting author: **Rachel Calcott**

Rachel Calcott: *Harvard*; **Fiery Cushman**: *Harvard University*

2:15pm - 3:45pm ORAL TALK: AI 1

Salon 3

T.09.1: AI-enhanced semantic feature norms for 786 conceptsPresenting author: **Siddharth Suresh****Siddharth Suresh:** University of Wisconsin-Madison; **Kushin Mukherjee:** Stanford University; **Tyler Giallanza:** Princeton Neuroscience Institute; **Mia Patil:** University of Wisconsin Madison; **Xizheng Yu:** Brown University; **Jonathan Cohen:** Princeton University; **Timothy T Rogers:** University of Wisconsin- Madison**T.09.2: FD-Bench: Fine-Grained Evaluating the Decision-Making Capability of LLM Agents in Dynamic Scenarios**Presenting author: **Zhihao Zhu****Zhihao Zhu:** Shanghai Jiao Tong University; **Yifan Zheng:** Shanghai Jiao Tong University; **Yaohui Jin:** Shanghai Jiao Tong University**T.09.3: Exposing the Biased Vulnerabilities of Large Language Models in Explainable Recommender Systems**Presenting author: **Weizhi Chen****Weizhi Chen:** National University of Defense Technology; **Xingkong Ma:** National University of Defense Technology; **Bo Liu:** Academy of Military Science; **Baoyun Peng:** Academy of Military Science**T.09.4: AIPsychoBench: Understanding the Psychometric Differences between LLMs and Humans**Presenting author: **Shuoyoucheng Ma****Wei Xie:** National University of Defense Technology; **Shuoyoucheng Ma:** National University of Defense Technology; **Zhenhua Wang:** National University of Defense Technology; **Xiaobing Sun:** Agency for Science, Technology and Research ; **Kai Chen:** University of Chinese Academy of Sciences; **Enze Wang:** College of Computer Science and Technology, National University of Defense Technology; **Wei Liu:** College of Computer Science and Technology; **Hanying Tong:** College of Computer Science and Technology**2:15pm - 3:45pm ORAL TALK: COGNITION 2**

Salon 4

T.10.1: Miscalibrated trust hinders effective partner choices in human-AI collectivesPresenting author: **Yaomin Jiang****Yaomin Jiang:** Max Planck Institute for Human Development; **Levin Brinkmann:** Max Planck Institute for Human Development; **Anne-Marie Nussberger:** Max Planck Institute for Human Development; **Ivan Soraperra:** Max Planck Institute for Human Development; **JF Bonnefon:** Toulouse School of Economics; **Iyad Rahwan:** Max Planck Institute for Human Development**T.10.2: The asymmetric effects of aging on between- and within-trial timescales of inhibition**Presenting author: **Emily R. Weichart****Ethan Bardsley:** Utah State University; **Cole S. Francis:** Utah State University; **Per B. Sederberg:** University of Virginia; **Emily R. Weichart:** Utah State University**T.10.3: Development of Linguistic-Mediated Abstraction: Insights from Word Ladders task**Presenting author: **Caterina Villani****Caterina Villani:** University of Bologna; **Adele Loia:** Alma Mater Studiorum; **Marianna M Bolognesi:** Modern Languages Dep**T.10.4: Six-Year-Olds Use an Intuitive Theory of Attention to Infer What Others See, Whom to Trust, and What They Want**Presenting author: **Rui Zhang****Rui Zhang:** Yale University; **Marlene Berke:** Yale University; **Julian Jara-Ettinger:** Yale University

2:15pm - 3:45pm ORAL TALK: EEG

Salon 5

T.11.1: *Hearing As: Top-down Processing Affects Early ERP Components for Musical Expectation*Presenting author: **Andrew Goldman****Andrew Goldman:** Indiana University; **Yeoeun Lim:** Indiana University Bloomington; **Megan E Kibler:** Indiana University Bloomington ; **Nazbanou Nozari:** Indiana University**T.11.2: *Mobile EEG Suggests that Alpha-Band Oscillations Support the Retrieval of the Egocentric Direction of Landmarks Around a Navigator***Presenting author: **Derek J. Huffman****Ainsley K Bonin:** Colby College; **Shuran Yang:** Colby College; **Derek J. Huffman:** Colby College**T.11.3: *mixEEG: Enhancing EEG Federated Learning for Cross-subject EEG Classification with Tailored mixup***Presenting author: **Xuan-Hao Liu****Xuan-Hao Liu:** Shanghai Jiao Tong University; **Bao-Liang Lu:** Shanghai Jiao Tong University; **Wei-Long Zheng:** Shanghai Jiao Tong University**T.11.4: *Decoding Metaphors and Brain Signals in Naturalistic Contexts: An Empirical Study based on EEG and MetaPro***Presenting author: **Rui Mao****Rui Mao:** Nanyang Technological University; **Tao Wang:** Tianjin University; **Erik Cambria:** Nanyang Technological University**2:15pm - 3:45pm ORAL TALK: LANGUAGE 2**

Salon 6

T.12.1: *Native Language Suffixation Patterns and Perception of Sequences: A Case of Cantonese Speakers*Presenting author: **Shuting Chen****Shuting Chen:** University of Edinburgh; **Itamar Kastner:** University of Edinburgh; **Jennifer Culbertson:** University of Edinburgh**T.12.2: *How Helpful is Visual Context for Speech Processing? Evidence from Multi-modal Speech Tracking in Monolingual and Bilingual Speakers***Presenting author: **Haoyin Xu****Haoyin Xu:** University of California, San Diego; **Seana Coulson:** University of California, San Diego**T.12.3: *Beyond Crosslinguistic Influence: Mandarin Speakers with Exposure to Null-subject Languages Nonetheless Use Fewer Null Pronouns in Mandarin***Presenting author: **Yajun Liu****Yajun Liu:** University of Edinburgh; **Antonella Sorace:** University of Edinburgh; **Kenny Smith:** University of Edinburgh**T.12.4: *Phonetic cue distributions guide perceptual adaptation in speech: Evidence from a three-week study with a natural non-native accent***Presenting author: **Xin Xie****Xin Xie:** University of California, Irvine; **Chigusa Kurumada:** University of Rochester

2:15pm - 3:45pm ORAL TALK: LANGUAGE AND DEVELOPMENT 1*Nob Hill C***T.13.1: *How do children learn new words via reading emotional narratives?***Presenting author: **Yuzhen Dong****Yuzhen Dong:** University of Oxford; **Matthew HC Mak:** University of Warwick; **Robert Hepach:** University of Oxford; **Kate Nation:** University of Oxford**T.13.2: *Developmental evidence for sensitivity to hierarchical structure in the noun phrase***Presenting author: **Jennifer Culbertson****Shira Tal:** University of Edinburgh; **Benedek Bartha:** Central European University; **Jennifer Culbertson:** University of Edinburgh**T.13.3: *Language production is harder than comprehension for children and language models***Presenting author: **Jennifer Hu****Jennifer Hu:** Harvard University; **Alvin Wei Ming Tan:** Stanford University; **Steven Y. Feng:** Stanford University; **Michael C. Frank:** Stanford University**T.13.4: *Learning novel intransitive verbs from input cues: Experiments with Mandarin-learning toddlers***Presenting author: **Ziqi Wang****Ziqi Wang:** Beijing Institute of Technology; **Xiaolu Yang:** Tsinghua University; **Stella Christie:** Tsinghua University; **Rushen Shi:** Université du Québec à Montréal**2:15pm - 3:45pm ORAL TALK: LEARNING AND DEVELOPMENT 1***Nob Hill D***T.14.1: *Transmission of Natural and Supernatural Explanations by Hindu and Muslim Schoolchildren in Gujarat, India***Presenting author: **Ruthe Foushee****Ruthe Foushee:** New School for Social Research; **Rachel Jansen:** NASA; **Mahesh Srinivasan:** University of California, Berkeley**T.14.2: *Comparison Helps Children Form Broad Explanations***Presenting author: **Yinyuan Zheng****Yinyuan Zheng:** Northwestern University; **Dedre Gentner:** Northwestern University**T.14.3: *Food Neophobia: a Barrier to The Development of Categorization and Executive Functions***Presenting author: **Foinant Damien****Foinant Damien:** Institut Lyfe Research Center; **Jean-Pierre C. G. Thibaut:** Université Bourgogne Europe; **Lafraine Jérémie:** Institut Lyfe Research Center**T.14.4: *Pencils to Pixels: A Systematic Study of Creative Drawings across Children, Adults and AI***Presenting author: **Surabhi S Nath****Surabhi S Nath:** Max Planck Institute for Biological Cybernetics; **Guiomar del Cuvillo y Schröder:** University of Amsterdam; **Claire Stevenson:** University of Amsterdam

2:15pm - 3:45pm ORAL TALK: COMPUTATIONAL MODELING 2*Nob Hill A***T.15.1: *Characterizing Human Planning on Large, Real-World Conceptual Networks***Presenting author: **Denis C. L. Lan****Denis C. L. Lan:** *University of Oxford*; **Marcelo G Mattar:** *New York University***T.15.2: *A Variational Neural Network Model of Resource-Rational Reward Encoding in Human Planning***Presenting author: **Zhuojun Ying****Zhuojun Ying:** *University of California, San Diego*; **Frederick Callaway:** *New York University*; **Roy Fox:** *University of California, Irvine*; **Anastasia Kiyonaga:** *University of California, San Diego*; **Marcelo G Mattar:** *New York University***T.15.3: *Humans integrate heuristics and Bayesian inference to efficiently explore under uncertainty***Presenting author: **Jing-Jing Li****Jing-Jing Li:** *University of California, Berkeley*; **Connor Chen:** *University of California, Berkeley*; **Anne GE Collins:** *University of California, Berkeley***T.15.4: *An ACT-R model of resource-rational performance in a pragmatic reference game***Presenting author: **John Duff****John Duff:** *Saarland University*; **Alexandra Mayn:** *Saarland University*; **Vera Demberg:** *Saarland University***3:45pm - 4:00pm 15-MIN COMFORT BREAK****4:00pm - 5:15pm RUMELHART PRIZE PRESENTATION AND LECTURE:***Salon 7***Nora Newcombe:** *Temple University****Three Questions for Cognitive Science***Introduction: **Bob Glushko**Chair: **Alison Gopnik:** *University of California, Berkeley***5:15pm - 6:30pm RUMELHART RECEPTION***Salon 9*

FRIDAY, AUGUST 1, 2025

8:30am - 5:00pm REGISTRATION*Northern
Registration***8:30am - 9:00am MORNING COFFEE***Yerba Buena
Grand Assembly***9:00am - 10:30am RUMELHART SYMPOSIUM***Salon 7* Chair: **Nora Newcombe**: Temple University
Speakers:***The building blocks of vision: Cortical and subcortical
organization of the newborn visual system*****Vlad Ayzenberg**: Max Planck Institute***Developmental trajectories of generalization and memory
specificity in childhood*****Chi Thao Ngo**: Temple University***Pathways from spatial skills to mathematics: the roles of gender
and other cognitive skills*****Ilyse Resnick**: University of Canberra**9:00am - 10:30am SYMPOSIUM 4:***Salon 1* ***Perception as a Foundation for Common-Sense Theories of the
World*****Abdul-Rahim Deeb**: Johns Hopkins University; **Kevin A Smith**: Massachusetts Institute of Technology; **Shari Liu**: Johns Hopkins University; **Judith E. Fan**: Stanford University**9:00am - 10:30am ORAL TALK: DEVELOPMENT OF SOCIAL COGNITION 2***Salon 2* ***T.16.1: Wow! You drew it!: How overly positive emotional reactions
influence children's motivation in learning contexts***Presenting author: **Grace Sun****Grace Sun**: University of Toronto Scarborough; **Yang Wu**: University of Toronto Scarborough***T.16.2: Helping and hindering guide infants' expectations about
future behavior***Presenting author: **Bill Pepe****Bill Pepe**: University of California, San Diego; **Brandon Matthew Woo**: University of California, Santa Barbara; **Ashley J Thomas**: Harvard University; **Lindsey J Powell**: University of California, San Diego***T.16.3: Children Expect Emotional Consolation to Occur in Close
Relationships***Presenting author: **Emma Yu****Emma Yu**: Harvard University; **Kana Tsuruta**: Harvard University; **Audrey Alice King**: Harvard University; **Ashley J Thomas**: Harvard University

9:00am - 10:30am ORAL TALK: COGNITION 3

Salon 3

T.17.1: Identifying when and whether causation: How people distinguish generation, hastening, prevention, and delayPresenting author: **Neil Bramley****Tianwei Gong:** University College London; **Yining Hou:** University of Edinburgh; **Henrik Singmann:** University of College London; **Neil R. Bramley:** University of Edinburgh**T.17.2: Affective Representations between Association and Cognition**Presenting author: **Sanja Sreckovic****Sanja Sreckovic:** Ruhr University Bochum**T.17.3: Trade-Offs Between Tasks Induced by Capacity Constraints Bound the Scope of Intelligence**Presenting author: **Cameron Rouse Turner****Cameron Rouse Turner:** Princeton University; **Dilip Arumugam:** Princeton University; **Logan Richard Nelson:** Princeton University; **Tom Griffiths:** Princeton University**T.17.4: Backwards counterfactuals and the closest possible world**Presenting author: **Ioana Grosu****Ioana Grosu:** University of Toronto; **Dominic Le:** University of Toronto; **Patricia Ganea:** University of Toronto**9:00am - 10:30am ORAL TALK: COGNITION 4**

Salon 4

T.18.1: Spatial language and memory diverge in BaYaka hunter-gatherersPresenting author: **Benjamin Pitt****Benjamin Pitt:** Toulouse School of Economics; **Haneul Jang:** Toulouse School of Economics**T.18.2: All Eyes on the Hippocampus: The Primate Hippocampus as a Visually-Guided Cognitive Graph**Presenting author: **Derek J. Huffman****Derek J. Huffman:** Colby College; **Linh Khanh Dang:** Colby College; **Olivia Roan Doherty:** Colby College; **Amrit Shakya:** Colby College; **Ainsley K Bonin:** Colby College**T.18.3: Algorithmic representations in the human brain that underlie schema generalisation**Presenting author: **Svenja Küchenhoff****Svenja Küchenhoff:** University of Oxford; **Alon Baram:** University of Oxford; **Mohamady El-Gaby:** University of Oxford; **Mathias Sablé-Meyer:** University College London; **Adam Harris:** University of Oxford; **Jacob Bakermans:** Geneva University Neurocenter; **Shraddha Shah:** Baylor College of Medicine; **Eleonora Bartoli:** Baylor College of Medicine; **Andrew Watrous:** Baylor College of Medicine; **Adrish Anand:** Baylor College of Medicine; **Thomas Donoghue:** Columbia University; **Sandra Maesta-Pereira:** Columbia University; **Uros Topalovic:** University of California; **John Sakon:** University of California; **Elliot H Smith:** University of Utah; **Nanthia Suthana:** University of Utah; **Itzhak Fried:** University of California; **Joshua Jacobs:** Columbia University; **Rhiannon L. Cowan:** University of Utah; **Habiba Azab:** Baylor College of Medicine; **Sameer A. Sheth:** Baylor College of Medicine; **Timothy Behrens:** University of Oxford**T.18.4: Looping towards certainty: The role of flight loops in homing pigeon navigation**Presenting author: **Rithwik John Cherian****Rithwik John Cherian:** University of Rochester; **T. Florian Jaeger:** University of Rochester; **Dora Biro:** University of Rochester

9:00am - 10:30am ORAL TALK: COMPUTATIONAL MODELLING 3

Salon 5

T.19.1: A Computational Model for Estimating Effective Connectivity Using Virtual NeurostimulationPresenting author: **Yanqing Dong****Yanqing Dong:** Taiyuan University of Technology; **Jing Wei:** Shanxi University of Finance and Economics; **Yaru Xu:** Taiyuan University of Technology; **Xin Wen:** Taiyuan University of Technology; **Jie Xiang:** Taiyuan University of Technology; **Mengni Zhou:** Taiyuan University of Technology**T.19.2: A Bayesian Model of Mind Reading from Decisions and Emotions in Social Dilemmas**Presenting author: **Kazunori Terada****Kazunori Terada:** Gifu University; **Celso M. M de Melo:** US Army Research Laboratory; **Francisco C. Santos:** Universidade de Lisboa; **Jonathan Gratch:** University of Southern California**T.19.3: Near-Zipfian Distribution is Prevalent in Infant Input**Presenting author: **Brianna E Kaplan****Brianna E Kaplan:** University of Texas at Austin; **Chen Yu:** University of Texas at Austin**T.19.4: DynamicRL: Data-Driven Estimation of Trial-by-Trial Reinforcement Learning Parameters**Presenting author: **Hua-Dong Xiong****Hua-Dong Xiong:** Georgia Institute of Technology; **Jian Li:** University of California, San Diego; **Marcelo G Mattar:** New York University; **Robert Wilson:** Georgia Tech

9:00am - 10:30am ORAL TALK: EMOTION

Salon 6

T.20.1: Are Expressions for Music Emotions the Same Across Cultures?Presenting author: **Elif Çelen****Elif Çelen:** Max Planck Institute for Empirical Aesthetics; **Pol van Rijn:** Max Planck Institute for Empirical Aesthetics; **Harin Lee:** Max Planck Institute for Empirical Aesthetics; **Nori Jacoby:** Max Planck Institute for Empirical Aesthetics**T.20.2: Music-induced Positive Mood Stimulates Metaphor Production**Presenting author: **Laura Pissani****Laura Pissani:** Saarland University; **Magdalena-Victoria Meiser:** Saarland University; **Vera Demberg:** Saarland University**T.20.3: Vicarious emotion predictions integrate information about relationship strength**Presenting author: **Kexin Jiang****Kexin Jiang:** Department of Psychology, University of California; **Alexis Smith-Flores:** University of California, San Diego; **Katherine Nora Liang:** Department of Psychology, University of California; **Desmond Ong:** The University of Texas at Austin; **Lindsey J Powell:** University of California, San Diego**T.20.4: Potentially therapeutic effects of telling and retelling meaningful life stories**Presenting author: **Ege Otenen****Ege Otenen:** Indiana University; **Rui Cao:** Boston University; **Ricardo Martins:** Rhodes College; **Fritz Breithaupt:** Indiana university

9:00am - 10:30am ORAL TALK: AI 2

Nob Hill C

T.21.1: *LLMs Struggle to Reject False Presuppositions when Misinformation Stakes are High*Presenting author: **Judith Sieker****Judith Sieker:** Bielefeld University; **Clara Lachenmaier:** Bielefeld University; **Sina Zarrieß:** University of Bielefeld**T.21.2: *Enhancing Objectivity in LLM-as-a-Judge through Perturbation Injection***Presenting author: **Zhihao Zhu****Zhihao Zhu:** Shanghai Jiao Tong University; **Haoran Liao:** Shanghai Jiao Tong University; **Yaohui Jin:** Shanghai Jiao Tong University**T.21.3: *Framing, not transparency, reduces cheating in algorithmic delegation***Presenting author: **Neele Engelmann****Neele Engelmann:** Max Planck Institute for Human Development; **Lara Kirfel:** Max Planck Institute for Human Development; **Anne-Marie Nussberger:** Center for Humans and Machines, Max-Planck-Institute for Human Development; **Raluca Rilla:** Max Planck Institute for Human Development; **Iyad Rahwan:** Max Planck Institute for Human Development**T.21.4: *Whose Values Prevail? Bias in Large Language Model Value Alignment***Presenting author: **Ruoxi Qi****Ruoxi Qi:** University of Hong Kong; **Gleb Papyshev:** The Hong Kong University of Science and Technology; **Kellee Tsai:** Northeastern University; **Antoni B. Chan:** City University of Hong Kong; **Janet Hsiao:** Hong Kong University of Science & Technology**9:00am - 10:30am ORAL TALK: LANGUAGE AND DEVELOPMENT 2**

Nob Hill D

T.22.1: *What if child vocabulary development followed network acquisition models exactly?*Presenting author: **Christopher R Cox****Christopher R Cox:** Louisiana State University; **Stan West:** Louisiana State University; **Thomas Hills:** University of Warwick; **Eileen Haebig:** Louisiana State University**T.22.2: *When the Learning Gets Tough: Children's Accent-Based Learning Choices are Influenced by Processing Difficulty***Presenting author: **Ashley Avarino****Ashley Avarino:** University of Waterloo; **Katherine White:** University of Waterloo**T.22.3: *Children explore conservatively when learning novel word extensions***Presenting author: **Martin Zettersten****Martin Zettersten:** University of California San Diego; **Jaime W Chen:** Princeton University; **Casey Lew-Williams:** Princeton University**T.22.4: *Building Interconnected Networks of Word Knowledge Over Time***Presenting author: **Dr. Layla Unger****Layla Unger:** University of York; **Olivera Savic:** Basque Center on Cognition, Brain and Language; **Vladimir Sloutsky:** The Ohio State University

9:00am - 10:30am ORAL TALK: LANGUAGE AND COMPUTATION 1*Nob Hill A***T.23.1: *Reading instruction and individual differences in a computational model of Chinese character reading***Presenting author: **Ching-En Kuo****Ching-En Kuo:** National Cheng Kung University; **Ya-Ning Chang:** Miin Wu School of Computing, National Cheng Kung University**T.23.2: *A Pragmatic Model of Spatial Language***Presenting author: **Midas Vanooteghem****Midas Vanooteghem:** KU Leuven; **Walter Schaeken:** KU Leuven**T.23.3: *Linking Verbs to Syntax: Investigating Error-Based Learning using Pupillometry***Presenting author: **Malathi Thothathiri****Malathi Thothathiri:** George Washington University; **Vsevolod Kapatsinski:** University of Oregon; **Jordan Becker:** George Washington University**T.23.4: *Language and Experience: A Computational Model of Social Learning in Complex Novel Tasks***Presenting author: **Cédric Colas****Cédric Colas:** Massachusetts Institute of Technology; **Tracey Mills:** Massachusetts Institute of Technology; **Ben Prystawski:** Stanford University; **Michael Henry Tessler:** Independent Researcher; **Noah Goodman:** Stanford University; **Jacob Andreas:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** Massachusetts Institute of Technology**10:30am - 11:00am COFFEE BREAK***Salon 8***10:30am - 12:00pm POSTER SESSION 2***Salon 8***12:00pm - 1:00pm LUNCH ON OWN****1:00pm - 2:30pm ELMAN PRIZE SYMPOSIUM:***Salon 7****Context, control, and representation in semantic cognition*****PRIZE RECIPIENT:****Timothy T. Rogers:** University of Wisconsin-MadisonSymposium Chair: **Timothy T. Rogers:** University of Wisconsin-MadisonModerator: **Chris Cox:** Louisiana State University

Presenters:

Tyler Giallanza: Princeton University & **Jon Cohen:** Princeton University**Rebecca Jackson:** University of Manchester & **Matt Lambon Ralph:** University of Cambridge**Saskia Frisby:** University of Cambridge & **Chris Cox:** Louisiana State University

1:00pm - 2:30pm SYMPOSIUM 5:

Salon 1

The Emergence of Social Adaptation: How Children (and other Primates) Learn and Apply Social Norms to Navigate the World More Efficiently

Oded Ritov: Psychology, University California Berkeley; Jan Engelmann: University of California, Berkeley; Charles Baxley: Psychology, University California; Mahesh Srinivasan: University of California, Berkeley; Paula Fischer: iSearch, Technical University Munich; Daniil Serko: Technical University Munich; Gil Diesendruck: Bar-Ilan University; Audun Dahl: University of California, Santa Cruz

1:00pm - 2:30pm SYMPOSIUM 6:

Salon 2

The role of language in human and machine intelligence

Gary Lupyan: University of Wisconsin - Madison; Sean Trott: University of California, San Diego; Martin Zettersten: University of California, San Diego; Hunter Gentry: Kansas State University; Tom Griffiths: Princeton University; Anna Ivanova: Georgia Institute of Technology

1:00pm - 2:30pm ORAL TALK: LANGUAGE 3

Salon 3

T.24.1: *Statistical Word Segmentation in Unfamiliar Speech*

Presenting author: Helen Shiyang Lu

Helen Shiyang Lu: University of British Columbia; Janet Werker: University of British Columbia; Alexis K. Black: University of British Columbia

T.24.2: *Who Has More Furniture? Context Effects on the Quantification of Mass vs. Count Superordinate Nouns*

Presenting author: Khuyen N. Le

Khuyen N. Le: University of California, San Diego; Alan Bale: Concordia University; David Barner: University of California, San Diego

T.24.3: *Word Integration Across Sentence Boundaries in Third and Fourth Age Adults: Evidence from Eye-Tracking during Reading*

Presenting author: Ernesto Guerra

Ernesto Guerra: Universidad de Chile; Andrea Helo: Universidad de Chile; Carlos Rojas: Universidad del Bão bão; Bernardo Rizzo: Universidad de Concepción

T.24.4: *Meaning adaptation in the discourse dynamics of imprecision*

Presenting author: Yifan Wu

Yifan Wu: Cornell University; Helena Aparicio: Cornell University

1:00pm - 2:30pm **ORAL TALK: LOGIC**

Salon 4

T.25.1: *Representations of what's possible reflect others' epistemic states*

Presenting author: **Lara Kirfel**

Lara Kirfel: Max Planck Institute for Human Development; **Matthew Mandelkern:** New York University; **Jonathan Phillips:** Dartmouth College

T.25.2: *Core Logic: Fourteen-month-olds exclude physical possibilities that would make an agent irrational.*

Presenting author: **Zihan Wang**

Zihan Wang: Yale University; **Nicolo Cesana-Arlotti:** Yale University

T.25.3: *Wild Possibilities: Evidence of Modal Cognition in Free-Ranging Rhesus Macaques (Macaca mulatta)*

Presenting author: **Nathaniel Braswell**

Nathaniel Braswell: Yale University; **Madeline G Meade:** University of California, San Diego; **Nicolo Cesana-Arlotti:** Yale University; **Laurie Santos:** Yale University

T.25.4: *Calculating probabilities from imagined possibilities: Limitations in 4-year-olds*

Presenting author: **Brian Leahy**

Brian Leahy: Massachusetts Institute of Technology; **Vicente Vivanco:** Massachusetts Institute of Technology; **Samuel J. Cheyette:** Massachusetts Institute of Technology; **Kevin A Smith:** Massachusetts Institute of Technology; **Lucy J White:** University of Bath; **Roman Feiman:** Brown; **Laura Schulz:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** Massachusetts Institute of Technology



1:00pm - 2:30pm ORAL TALK: COGNITION 5

Salon 5

T.26.1: *What Do Head Scans Reveal About Depression? Insights from 360° Psychomotor Assessment*Presenting author: **Rohan Lahane****Priyanka Srivastava:** International Institute of Information Technology, Hyderabad; **Rohan Lahane:** IIIT Hyderabad; **Vivek R:** International Institute of Information Technology; **Prudhvi Pulapa:** international institute of information technology**T.26.2: *DIMS Dashboard for Exploring Dynamic Interactions and Multimodal Signals***Presenting author: **Grace Qiyuan Miao****Grace Qiyuan Miao:** University of California, Los Angeles (University of California, Los Angeles); **James Trujillo:** University of Amsterdam; **Landry S Bulls:** Dartmouth College; **Mark A. Thornton:** Dartmouth College; **Rick Dale:** University of California, Los Angeles; **Wim Pouw:** Radboud University Nijmegen**T.26.3: *Staring Down the Elevator Shaft: Postural Responses to Virtual Heights in an Indoor Environment***Presenting author: **Tahmineh A. Koosha****Tahmineh A. Koosha:** Philipps University of Marburg; **Alap Kshirsagar:** Technische Universität Darmstadt; **Nick Augustat:** Philipps University of Marburg; **Fabian Hahne:** TU Darmstadt; **Dominik Müh:** Philipps-University Marburg; **Christiane A. Melzig:** University of Marburg; **Frank Bremmer:** Philipps University Marburg; **Jan Peters:** German Research Center for AI; **Dominik M Endres:** Philipps-Universität, Dept. Psychology**T.26.4: *Spatial Dynamics Shape the Interaction Between Motor Adaptation Processes***Presenting author: **Yifei Chen****Yifei Chen:** Princeton University; **Jordan Taylor:** Princeton University**1:00pm - 2:30pm ORAL TALK: LEARNING AND DEVELOPMENT 2**

Salon 6

T.27.1: *Racial diversity and racial representation in U.S. children's books*Presenting author: **Catarina Vales****Catarina Vales:** Carnegie Mellon University; **Krista M. Aronson:** Bates College; **Molly I Niehaus:** Carnegie Mellon University; **Anna Fisher:** Carnegie Mellon University**T.27.2: *Hidden costs of overparenting: Children feel worse about their abilities when adults take over for their peers***Presenting author: **Elaine Wang****Elaine Wang:** Yale University; **Reut Shachnai:** Yale University; **Julia Anne Leonard:** Yale University**T.27.3: *Stumped! Learning to think outside the box in 3-7 year old children***Presenting author: **Junyi Chu****Junyi Chu:** Stanford University; **Misha O'Keefe:** Stanford; **Silvia Kancong Liu:** College of the Holy Cross; **Elizabeth Bonawitz:** Harvard University; **Tomer D. Ullman:** Harvard University**T.27.4: *Are two-year-olds intrinsically motivated to explore their own competence?***Presenting author: **Bella Fascendini****Bella Fascendini:** Princeton University; **Bonan Zhao:** University of Edinburgh; **Natalia A Vélez:** Princeton University

1:00pm - 2:30pm ORAL TALK: MEMORY 2

Nob Hill C

T.28.1: *When 0 is good: instrumental learning with counterintuitive goals decreases working memory engagement*Presenting author: **Ti-Fen Pan****Ti-Fen Pan:** University of California, Berkeley**T.28.2: *Soft production preferences emerge from a bottleneck on memory***Presenting author: **Neil Rathi****Neil Rathi:** Stanford University; **Richard Futrell:** University of California, Irvine; **Dan Jurafsky:** Stanford University**T.28.3: *How linguistic boundaries form encoding contexts in memory: Evidence from temporal order effects***Presenting author: **Lalitha Balachandran****Lalitha Balachandran:** University of California, Santa Cruz; **Stephanie Rich:** Concordia University; **Matt Wagers:** University of California, Santa Cruz**T.28.4: *Trade-offs in posterior hippocampus versus medial prefrontal cortex mechanisms underlie memory precision in childhood***Presenting author: **Sagana Vijayarajah****Sagana Vijayarajah:** University of Toronto; **Margaret L Schlichting:** University of Toronto**1:00pm - 2:30pm ORAL TALK: AI 3**

Nob Hill D

T.29.1: *The Forest for the Trees: Global vs. Local Advice in Human-AI Interaction*Presenting author: **Orsolya Szöcs****Orsolya Szöcs:** University of Tübingen; **Hanqi Zhou:** University of Tübingen; **Charley M Wu:** University of Tübingen**T.29.2: *Systematic Bias in Large Language Models: Discrepant Response Patterns in Binary vs. Continuous Judgment Tasks***Presenting author: **Yilong Lu****Yilong Lu:** Beijing Institute for General Artificial Intelligence; **Chunhui Zhang:** Beijing Institute for General Artificial Intelligence; **Wei Wang:** Beijing Institute for General Artificial Intelligence**T.29.3: *ChatGPT as a Competent Enough Judge in Validating Responses from a Divergent Thinking Task***Presenting author: **Hanna Kucwaj****Hanna Kucwaj:** SWPS University; **Bartłomiej Krocze:** Jagiellonian University**T.29.4: *Probing and Inducing Combinational Creativity in Vision-Language Models***Presenting author: **Yongqian Peng****Yongqian Peng:** Peking University; **Yuxi Ma:** Peking University; **Mengmeng Wang:** Beijing Institute for General Artificial Intelligence; **Yuxuan Wang:** Beijing Institute for General Artificial Intelligence; **Yizhou Wang:** Peking University; **Chi Zhang:** Peking University; **Yixin Zhu:** Peking University; **Zilong Zheng:** Beijing Institute for General Artificial Intelligence

1:00pm - 2:30pm ORAL TALK: LANGUAGE AND COMPUTATION 2

Nob Hill A

T.30.1: *Examining Future Context Predictability Effects in Word-form Variation and Word Choice*Presenting author: **Shiva Upadhye****Shiva Upadhye:** University of California, Irvine; **Richard Futrell:** University of California, Irvine**T.30.2: *The role of language-specific and domain-general working memory resources in predictive language processing***Presenting author: **Tovah Irwin****Tovah Irwin:** University of California, Los Angeles; **Idan A Blank:** University of California, Los Angeles**T.30.3: *A Model of Approximate and Incremental Noisy-Channel Language Processing***Presenting author: **Thomas Clark****Thomas Clark:** Massachusetts Institute of Technology; **Jacob Hoover Vigly:** Massachusetts Institute of Technology; **Edward Gibson:** Massachusetts Institute of Technology; **Roger Levy:** Massachusetts Institute of Technology**T.30.4: *Simulating the Emergence of Differential Case Marking with Communicating Neural-Network Agents***Presenting author: **Yuchen Lian****Yuchen Lian:** Xi'an Jiaotong University; **Arianna Bisazza:** University of Groningen; **Tessa Verhoeft:** Leiden University**2:30pm - 2:45pm 15-MIN COMFORT BREAK****2:45pm - 3:45pm KEYNOTE ADDRESS:**

Salon 7

Josh Tenenbaum: Massachusetts Institute of Technology***Scaling Intelligence the Human Way: Building a Shared Future for AI and Cog Sci***Chair: **Neil Bramley,** University of Edinburgh**3:45pm - 4:00pm 15-MIN COMFORT BREAK****4:00pm - 5:30pm INVITED SYMPOSIUM 2:**

Salon 7

The Role of AI in Theories of the FutureChair: **Neil Bramley,** University of Edinburgh**Peter Dayan:** Max Planck Institute for Biological Cybernetics**Yejin Choi:** University of Washington**William Cunningham:** University of Toronto**4:00pm - 5:30pm SYMPOSIUM 7:**

Salon 1

Cognitively Inspired Interpretability in Large Neural Networks**Anna Leshinskaya:** University of California, Irvine; **Taylor Webb:** Microsoft Research; **Ellie Pavlick:** Brown University; **Jiahai Feng:** University of California, Berkeley; **Gustaw Opielka:** University of Amsterdam; **Claire Stevenson:** University of Amsterdam; **Idan A Blank:** University of California, Los Angeles

4:00pm - 5:30pm SYMPOSIUM 8:

Salon 2

Defending Science in 2025Steven Piantadosi: *University of California, Berkeley***4:00pm - 5:30pm ORAL TALK: LANGUAGE AND COMMUNICATION 2**

Salon 3

T.31.1: Alignment of Representational Complexity as a Latent Control Parameter in Referential CommunicationPresenting author: **Amir Hodayun Hallajian****Amir Hodayun Hallajian:** *Radboud University*; **Saskia B.J Koch:** *Radboud University*; **Jana Bašňáková:** *Radboud University*; **Ivan Toni:** *Radboud University*; **Arjen Stolk:** *Dartmouth College***T.31.2: Communication form modulates sentence interpretation: (A) typicality inferences from descriptions vs. direct speech**Presenting author: **Muxuan He****Muxuan He:** *University of Southern California*; **Elsi Kaiser:** *University of Southern California***T.31.3: Speaker-Related Cognitive Constraints on Multimodal Audience Design During Spatial Communication**Presenting author: **Demet Özer****Demet Özer:** *Bilkent University*; **Tilbe Göksun:** *Koç University***T.31.4: Low Power Constrains the Space of Narratives Available to Speakers**Presenting author: **Judy Kim****Judy Kim:** *Princeton University*; **Molly J Crockett:** *Princeton University***4:00pm - 5:30pm ORAL TALK: AI 4**

Salon 4

T.32.1: Visual moral inference and communicationPresenting author: **Aida Ramezani****Warren Zhu:** *University of Toronto*; **Aida Ramezani:** *University of Toronto*; **Yang Xu:** *University of Toronto***T.32.2: Do Large Language Models Have a Planning Theory of Mind? Evidence from MindGames: a Multi-Step Persuasion Task**Presenting author: **Jared Moore****Jared Moore:** *Stanford University*; **Rasmus Overmark:** *University of St. Andrews*; **Ned Cooper:** *Australian National University*; **Beba Cibralic:** *University of Cambridge*; **Nick Haber:** *Stanford*; **Cameron R Jones:** *University of California, San Diego***T.32.3: Understanding Human Heuristics in Context-Sensitive Image Captioning**Presenting author: **Yanru Jiang****Yanru Jiang:** *University of California, Los Angeles*; **Rick Dale:** *University of California, Los Angeles*; **Hongjing Lu:** *University of California, Los Angeles***T.32.4: Mental Model Alignment: Building Cognitive Interfaces for Explainable Reinforcement Learning**Presenting author: **Kejia Wan****Kejia Wan:** *National University of Defense Technology*; **Yuntao Liu:** *Academy of Military Science, Beijing, China*; **Hengzhu Liu:** *National University of Defense Technology*; **Xinhai Xu:** *Academy of Military Science*; **Hao Tang:** *NUDT*; **Jinlong Tian:** *National University of Defense Technology*; **Xianglong Li:** *Academy of Military Sciences*

4:00pm - 5:30pm ORAL TALK: COGNITION 6

Salon 5

T.33.1: *Second Hand Effects: Exploring Spatial Influences on Temporal Judgments in Clocks*Presenting author: **Ambar Narwal****Ambar Narwal:** Indiana university; **Robert Goldstone:** Indiana University; **Emily R. Fyfe:** Indiana University; **Benjamin Motz:** Indiana University**T.33.2: *Folk Teleology and Split Entity Identity***Presenting author: **Zixin Zeng****Zixin Zeng:** Northwestern University; **Lance Rips:** Northwestern University**T.33.4: *GPNet: Granularity-Aware Pyramid Network with Graph Aggregation for Sleep Staging and Face-Emotional Recognition Speed Prediction***Presenting author: **Yin Tian****Congming Tan:** School of Computer Science and Technology; **Ting Pan:** Chongqing University of Posts and Telecommunications; **Yin Tian:** Chongqing University of Posts and Telecommunications

4:00pm - 5:30pm ORAL TALK: COGNITION 7

Salon 6

T.34.1: *The Applications and Limitations of the Burstiness Metric in Investigating the Temporal Distribution of Words in Child-Centered Audio*Presenting author: **Zeynep Marasli****Zeynep Marasli:** University of Illinois, Champaign-Urbana; **Jessica L Montag:** University of Illinois, Champaign-Urbana**T.34.2: *Incentive Effects Capture Variability in Task-General Control Allocation***Presenting author: **Ziwei Cheng****Ziwei Cheng:** University of California, Berkeley; **Xiamin Leng:** University of California, Berkeley; **Amitai Shenhav:** University of California, Berkeley**T.34.3: *Speak Last and Step-by-Step: The Effect of Order and Response Mode on Evidence Evaluation***Presenting author: **Mengxuan Helen Qiao****Mengxuan Helen Qiao:** University College London; **David Lagnado:** University College London**T.34.4: *The effect of gender on multimodal child-directed language: Evidence from analyses of broadcast programmes***Presenting author: **Yanran Zhang****Yanran Zhang:** Tilburg University; **Mengru Han:** East China Normal University; **Marc Swerts:** Tilburg university; **Yan Gu:** University of Essex

4:00pm - 5:30pm ORAL TALK: REASONING

Nob Hill C

T.35.1: *Scaling up the think-aloud method*Presenting author: **Daniel Wurgaft****Daniel Wurgaft:** Stanford University; **Ben Prystawski:** Stanford University; **Kanishk Gandhi:** Stanford University; **Cedegao E Zhang:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** Massachusetts Institute of Technology; **Noah Goodman:** Stanford University**T.35.2: *Comparing Individual and Collective Performance in Deductive Reasoning across Content Types***Presenting author: **Alba Massolo****Alba Massolo:** Universidad Nacional de Córdoba; **Mariel Traversi:** Universidad Católica de Córdoba**T.35.3: *Quantifying the cost of context sensitivity in decision making***Presenting author: **Shuze Liu****Shuze Liu:** Harvard University; **Samuel Gershman:** Harvard University; **Bilal Bari:** Massachusetts General Hospital**T.35.4: *Thinking fast, slow, and everywhere in between in humans and language models***Presenting author: **Ben Prystawski****Ben Prystawski:** Stanford University; **Noah Goodman:** Stanford University**4:00pm - 5:30pm ORAL TALK: LEARNING AND DEVELOPMENT 3**

Nob Hill D

T.36.1: *Navigating Family Ties: Young Children's Cognitive Representations of the Family Network*Presenting author: **Christina Steele****Christina Steele:** Harvard University; **Ashley J Thomas:** Harvard University**T.36.2: *Does normality influence children's causal selections?***Presenting author: **Salih Can Ozdemir****Salih Can Ozdemir:** University of California, San Diego; **Caren M. Walker:** University of California, San Diego**T.36.3: *Toddlers' mapping of emotion words to facial expressions and body postures in a looking-while-listening task***Presenting author: **Hanqi Chen****Hanqi Chen:** University of Toronto, Scarborough; **Sahej Gulati:** University of Toronto, Scarborough; **Yang Wu:** University of Toronto, Scarborough**T.36.4: *Cause and fault in development***Presenting author: **David Rose****David Rose:** Stanford; **Cici Hou:** Stanford University; **Shaun Nichols:** Cornell University; **Tobias Gerstenberg:** Stanford University; **Ellen M Markman:** Stanford University

4:00pm - 5:30pm ORAL TALK: LANGUAGE AND COMPUTATION 3

Nob Hill A

T.37.1: *Learning about Inductive Potential from Generic Statements*Presenting author: **Marianna Y. Zhang****Marianna Y. Zhang:** New York University; **Sarah-jane Leslie:** Princeton University; **Marjorie Rhodes:** New York University; **Mark K Ho:** New York University**T.37.2: *Iterated language learning is shaped by a drive for optimizing lossy compression***Presenting author: **Nathaniel Imel****Nathaniel Imel:** New York University; **Jennifer Culbertson:** University of Edinburgh; **Simon Kirby:** The University of Edinburgh; **Noga Zaslavsky:** New York University**T.37.3: *Blending Boundaries: A Computational Approach to How Bilinguals Reconcile Cross-Linguistic Categorization***Presenting author: **Aditi Singh****Aditi Singh:** New York University; **Maya Taliaferro:** New York University; **Grace Lindsay:** New York University; **Esti Blanco-Elorrieta:** New York University**T.37.4: *Computational Modeling of Tonal Encoding in Disyllabic Mandarin Word Production***Presenting author: **Jiabing Pan****Jiabing Pan:** The Hong Kong Polytechnic University; **Xiaocong Chen:** The Hong Kong Polytechnic University; **Caicai Zhang:** The Hong Kong Polytechnic University

SATURDAY, AUGUST 2, 2025

- 8:00am - 4:30pm REGISTRATION**
Northern
Registration
- 8:00am - 8:30am MORNING COFFEE**
Yerba Buena
Grand Assembly
- 8:30am - 9:00am A YEAR IN CSS, A.K.A. THE ANNUAL BUSINESS MEETING**
Salon 7
- 9:00am - 10:00am PLENARY: KEYNOTE ADDRESS:**
Salon 7
Lauren Ross: *University of California, Irvine*
Cognitive science and its philosophy: Looking to the future
Chair: **Caren Walker,** *University of California, San Diego*
- 10:00am - 10:30am COFFEE BREAK**
Salon 8
- 10:30am - 12:00pm GLUSHKO AWARD WINNER TALKS**
Salon 7
AWARD WINNERS:
Vladimir Chituc: *Yale University*
Anna Hadjitofi: *University of Edinburgh*
Antonia Langenhoff: *Stanford University*
Emalie McMahon: *Massachusetts Institute of Technology*
Francesco Poli: *University of Cambridge*
Lionel Wong: *Stanford University*
- 10:30am - 12:00pm SYMPOSIUM 9:**
Salon 1
Minds at School: Advancing cognitive science by measuring and modeling human learning in situ
Judith E. Fan: *Stanford University*; **Kristine Zheng:** *Stanford University*; **Benjamin Motz:** *Indiana University*; **Shayan Doroudi:** *University of California, Irvine*; **Ji Son:** *Cal State University, Los Angeles*; **Candace Thille:** *Stanford University*



10:30am -12:00pm ORAL TALK: LANGUAGE 4

Nob Hill B

T.38.1: *The Effect of Text Simplification on Reading Fluency and Reading Comprehension in L1 English Speakers*Presenting author: **Keren Gruteke Klein****Keren Gruteke Klein:** Technion; **Omer Shubi:** Technion - Israel Institute of Technology; **Shachar Frenkel:** Technion; **Yevgeni Berzak:** Technion**T.38.2: *Sub-phonemic featural dimensions mediate consonantal co-occurrence biases in a cross-linguistically consistent manner***Presenting author: **Bruno Ferenc Segedin****Bruno Ferenc Segedin:** Brown University**T.38.3: *Lexical Representation of Noncanonical Forms: Evidence from Persian***Presenting author: **Koorosh Ariyae****Koorosh Ariyae:** University of Toronto; **Philip Monahan:** University of Toronto Scarborough; **Jessamyn Schertz:** University of Toronto Mississauga**T.38.4: *Syntactic Choice Is Shaped by Fine-Grained, Item-Specific Knowledge***Presenting author: **Emily Goodwin****Emily Goodwin:** Stanford University; **Beth Levin:** Stanford University; **Emily Morgan:** University of California, Davis**10:30am -12:00pm ORAL TALK: LANGUAGE AND DEVELOPMENT 3**

Salon 3

T.39.1: *The origins of syntactic category biases: Evidence from early vocabularies of bilingual children*Presenting author: **Alvin Wei Ming Tan****Alvin Wei Ming Tan:** Stanford University; **Michael C. Frank:** Stanford University**T.39.2: *Exploring the affective structure of children's early language environment through egocentric video***Presenting author: **Mira L Nencheva****Mira L Nencheva:** Stanford University**T.39.3: *Initiation Asymmetry in the Ontogenesis of Social Routines: In Conversation, Caregivers Scaffold 1-Year Olds to Respond, but 2-year Olds Initiate***Presenting author: **Jack Terwilliger****Jack Terwilliger:** University of California, San Diego; **Federico Rossano:** University of California, San Diego**T.39.4: *The scope of generic generalizations: developmental changes in judgments about contextually-restricted generics.***Presenting author: **Ny Vasil****Katherine Ritchie:** University of California, Irvine; **Alejandro Curiel:** California State University East Bay; **Tiffany A. Zhu:** University of California, Irvine; **Anna Pederneschi:** University of California Irvine; **Ny Vasil:** California State University East Bay

10:30am - 12:00pm ORAL TALK: LEARNING AND CATEGORIZATION

Salon 4

T.40.1: *The Cognitive Complexity of Rule Changes*

Presenting author: **Sara Todorovikj**

Sara Todorovikj: University of Technology Chemnitz; **Daniel Brand**: Chemnitz University of Technology; **Marco Ragni**: TU Chemnitz

T.40.2: *The role of contrast in category learning*

Presenting author: **Aja Marie Altenhof**

Aja Marie Altenhof: University of Wisconsin, Madison; **Gary Lupyan**: University of Wisconsin - Madison

T.40.3: *Comparisons promote a tradeoff between generalization and individuation*

Presenting author: **Nicholas Ichien**

Nicholas Ichien: University of California, Los Angeles; **Angela Kan**: University of California, Los Angeles

T.40.4: *Making Sense of Nonsense*

Presenting author: **Jennifer Hu**

Jennifer Hu: Harvard University; **Felix Anthony Sosa**: Harvard University; **Tomer D. Ullman**: Harvard University

10:30am - 12:00pm ORAL TALK: LEARNING AND DEVELOPMENT 4

Salon 5

T.41.1: *The Effect of Moral and Statistical Norm Violations in Children's Counterfactual Reasoning*

Presenting author: **Zeynep Genç**

Zeynep Genç: University of Kent; **Angela Nyhout**: University of Kent

T.41.2: *The Malleability of Children's Mental Rotation Strategies: What do children's mental rotation tests really measure?*

Presenting author: **Kiley McKee**

Kiley McKee: Northwestern University; **Danielle Rothschild Doyle**: Northwestern University; **David Uttal**: Northwestern University

T.41.3: *Not seeing it: What young children don't understand about attention*

Presenting author: **Shengyi Wu**

Shengyi Wu: Massachusetts Institute of Technology; **Laura Schulz**: Massachusetts Institute of Technology



10:30am -12:00pm ORAL TALK: PERCEPTION 1

Salon 6

T.42.1: *The Role of Structural Input Features in Statistical Learning*

Presenting author: **Danaja Rutar**

Danaja Rutar: University of Primorska ; **Erwin Johannes de Wolff:** TNO; **Johan Kwisthout:** Donders Centre for Cognition

T.42.2: *Community detection in inflectional networks*

Presenting author: **Maria Copot**

Maria Copot: University of Surrey; **Andrea D. Sims:** The Ohio State University

T.42.3: *Acoustic Cues Facilitate the Acquisition of Non-adjacent Dependencies in Sequences of Dynamic Object Transformation*

Presenting author: **Zoey Zixi Lyu**

Zoey Zixi Lyu: University of Southern California; **Neshat Darvishi:** University of Southern California; **Toby Mintz:** University of Southern California

T.42.4: *How different cognitive strategies can influence implicit recalibration in visuomotor adaptation*

Presenting author: **Yiyu Wang**

Yiyu Wang: Princeton; **Jordan Taylor:** Princeton University

10:30am -12:00pm ORAL TALK: COGNITION 8

Nob Hill C

T.43.1: *Blind spots in the mind's eye: Mental imagery often lacks detail and coherence*

Presenting author: **Andreas Arslan**

Andreas Arslan: Central European University; **Jonathan F. Kominsky:** Central European University

T.43.2: *Belief Attribution as Mental Explanation: The Role of Accuracy, Informativity, and Causality*

Presenting author: **Lance Ying**

Lance Ying: Massachusetts Institute of Technology ; **Almog Hilel:** Massachusetts Institute of Technology; **Ryan Truong:** University of Texas at Austin; **Vikash Mansinghka:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** Massachusetts Institute of Technology; **Tan Zhi-Xuan:** Massachusetts Institute of Technology

T.43.3: *What makes people think a puzzle is fun to solve?*

Presenting author: **Junyi Chu**

Junyi Chu: Stanford University; **Kristine Zheng:** Stanford University; **Judith E. Fan:** Stanford University

T.43.4: *Do Whales Have Hair? Are Whales Mammals? Identifying Synchronic Inconsistencies Among Beliefs*

Presenting author: **Joseph Sommer**

Joseph Sommer: Princeton University; **Tania Lombrozo:** Princeton University



10:30am - 12:00pm ORAL TALK: COMPUTATIONAL MODELING 4

Nob Hill D

T.44.1: *PACE: Procedural Abstractions for Communicating Efficiently*Presenting author: **Andrea Silvi****Jonathan Thomas:** Chalmers University of Technology; **Andrea Silvi:** Chalmers University of Technology; **Devdatt Dubhashi:** Chalmers University of Technology; **Moa Johansson:** Chalmers University of Technology**T.44.2: *The Effect of Representational Compression on Flexibility Across Learning in Humans and Artificial Neural Networks***Presenting author: **Mia Whitefield****Mia Whitefield:** University of Oxford; **Christopher Summerfield:** Oxford University**T.44.3: *Enhancing Cognitive Game Tracing via Diverse Information and Time-aware Modeling***Presenting author: **Yang Yu****Yang Yu:** East China Normal University; **Bo Ma:** Software Engineering Institute; **Liangyu Chen:** East China Normal University; **Mingsong Chen:** East China Normal University**T.44.4: *Prior-Prompt-Based GCN for Depression Recognition Through Gait Observation***Presenting author: **Yutao Xu****Chengju Zhou:** School of Artificial Intelligence ; **Yutao Xu:** South China Normal University; **Yan Liang:** South China Normal University**10:30am - 12:00pm ORAL TALK: SOCIAL COGNITION 2**

Salon 4

T.45.1: *Taking others for granted: balancing personal and presentational goals in action selection*Presenting author: **Victor Btesh****Victor Btesh:** University College London; **David Lagnado:** University College London; **Tobias Gerstenberg:** Stanford University**T.45.2: *People use theory of mind to craft lies exploiting audience desires***Presenting author: **Marlene Berke****Marlene Berke:** Yale University; **Ben Sterling:** Yale University; **Kartik Chandra:** MIT; **Julian Jara-Ettinger:** Yale University**T.45.3: *An information bottleneck view of social stereotype use***Presenting author: **Max Louis Taylor-Davies****Max Louis Taylor-Davies:** University of Edinburgh; **Tadeg Quillien:** University of Edinburgh**T.45.4: *Seeing Things Differently: The Role of Differing Perspectives in Advice-Taking***Presenting author: **Aakriti Kumar****Aakriti Kumar:** Northwestern University; **Ren-Hui Michelle Tham:** University of California, Irvine; **Mark Steyvers:** University of California, Irvine**12:00pm - 1:00pm LUNCH ON OWN****1:00pm - 2:15pm POSTER SESSION 3**

2:15pm - 3:45pm INVITED SYMPOSIUM 3:

Salon 7

New Theoretical Horizons in Cognitive ScienceChair: **Caren Walker**, *University of California, San Diego***Jake Quilty-Dunn**: *Rutgers University***Natalia Vélez**: *Princeton University***Ellie Pavlick**: *Brown University***2:15pm - 3:45pm SYMPOSIUM 10:**

Salon 1

New Perspectives in Computational Modeling of Human Attention**Ilker Yildirim**: *Yale University***2:15pm - 3:45pm SYMPOSIUM 11:**

Nob Hill B

Naturalistic observation of language development outside the home**Claire Augusta Bergey**: *Stanford University*; **Marisa Casillas**: *University of Chicago*; **Daniel Messinger**: *University of Miami*; **Robert Z. Sparks**: *Stanford University***2:15pm - 3:45pm ORAL TALK: COMPUTATIONAL MODELING 5**

Salon 3

T.46.1: Resource-rational belief revision can mitigate as well as amplify polarizationPresenting author: **Rebekah Gelpi****Rebekah Gelpi**: *University of Toronto*; **Pablo Leon Villagra**: *Brown University*; **William Cunningham**: *University of Toronto*; **Christopher Guy Lucas**: *University of Edinburgh*; **Daphna Buchsbaum**: *Brown University****T.46.2: Computational insights from a novel habit induction protocol***Presenting author: **Sarah Oh****Sarah Oh**: *University of California, Berkeley*; **Anne GE Collins**: *University of California, Berkeley****T.46.3: The Wisdom of Intellectually Humble Networks***Presenting author: **Raiyan Abdul Baten****Raiyan Abdul Baten**: *University of South Florida*; **Mohammad Ratul Mahjabin**: *University of South Florida****T.46.4: Relational Information Predicts Human Behavior and Neural Responses to Complex Social Scenes***Presenting author: **Wenshuo Qin****Wenshuo Qin**: *Johns Hopkins University*; **Manasi Malik**: *Johns Hopkins University*; **Leyla Isik**: *Johns Hopkins University*

2:15pm - 3:45pm ORAL TALK: LANGUAGE 5

Salon 4

T.47.1: *Taking the C-nic Route: Object-Directedness and Path, Not Efficiency, Shape Adults' Word Extension*Presenting author: **Mohit Mukherji****Mohit Mukherji:** New York University; **Maira Rose Dillon:** New York University**T.47.2: *Islands Result from Clash of Functions: Single-conjunct Wh-Qs***Presenting author: **Abigail Fergus****Abigail Fergus:** Princeton University; **Arielle Belluck:** Princeton University; **Nicole Cuneo:** Princeton University; **Adele Goldberg:** Princeton University**T.47.3: *Distributional learning over meaningful words facilitates semantic inferences about previously unknown words***Presenting author: **Abigail Laver****Abigail Laver:** University of Pennsylvania; **Heesu Yun:** Northeastern University; **Albert E. Kim:** University of Colorado; **John Trueswell:** University of Pennsylvania**T.47.4: *Mapping Acoustic Cues to Pragmatic Functions: Perceptual Cue Weighting of Prosodic Focus in Mandarin***Presenting author: **Wenxi Fei****Wenxi Fei:** The Hong Kong Polytechnic University; **Yu-Yin Hsu:** The Hong Kong Polytechnic University**2:15pm - 3:45pm ORAL TALK: PERCEPTION 2**

Salon 5

T.48.1: *Perceptual Discriminability Drives Overinformative Reference, But Colour Information is Special*Presenting author: **Merrick Giles****Merrick Giles:** The University of Melbourne; **Paula Rubio-Fernandez:** Max Planck Institute for Psycholinguistics; **Francis Mollica:** University of Melbourne**T.48.2: *Beyond Muller-Lyer: Culture shapes 'universal' visual phenomenology in multiple illusions across a rural-urban gradient***Presenting author: **Ivan Kroupin****Ivan Kroupin:** London School of Economics and Political Science; **Helen Elizabeth Davis:** Arizona State University; **Aparicio Jose Paredes Lopes:** London School of Economics and Political Science; **Talia Konkle:** Harvard University; **Michael Muthukrishna:** London School of Economics and Political Science**T.48.3: *Knowledge Exerts Dissociable Effects on Target and Distractor Processing in Binocular Rivalry***Presenting author: **Wen Wen****Wen Wen:** Boston University; **Robert Reinhart:** Boston University; **Sheng Li:** Peking University**T.48.4: *Framing Perception: Exploring Camera Induced Objectification in Cinema***Presenting author: **Parth Maradia****Parth Maradia:** International Institute of Information Technology, Hyderabad; **Ayushi Kumari Agrawal:** International Institute of Information Technology Hyderabad; **Srija Krishna Bhupathiraju:** International Institute Of Information Technology; **Kavita Vemuri:** International Institute of Information Technology - Hyderabad

2:15pm - 3:45pm ORAL TALK: LEARNING AND DEVELOPMENT 5

Salon 6

T.49.1: *Children's Differentiation of Fake News from Real News is Facilitated by Cognitive Reflection*Presenting author: **Andrew Shtulman****Andrew Shtulman:** Occidental College; **Lucy Rose Stoll:** Occidental College; **Lesly Sabroso:** Occidental College; **Andrew G Young:** Northeastern Illinois University**T.49.2: *Children with ASD show diminished input statistics for word learning during caregiver-child interaction***Presenting author: **Catherine Bianco****Catherine Bianco:** University of Texas at Austin; **Chen Yu:** University of Texas at Austin**T.49.3: *Individual differences in habituation predict dishabituation magnitude in adults and infants***Presenting author: **Anjie Cao****Anjie Cao:** Stanford ; **Qiong Cao:** Massachusetts Institute of Technology; **Michael C. Frank:** Stanford University; **Shari Liu:** Johns Hopkins University**2:15pm - 3:45pm ORAL TALK: COGNITION 9**

Nob Hill C

T.50.1: *Event Structure and the Experience of Viewing Art*Presenting author: **Gabriel A. Radvansky****Daniela Parra:** University of Notre Dame; **James R. Brockmole:** University of Notre Dame; **Michael Anthony Villano:** University of Notre Dame; **Robin M Jensen:** University of Notre Dame; **Gabriel A. Radvansky:** University of Notre Dame**T.50.2: *Using Goal-Incidental Attributes to Assess the Relationship Between Selective Attention and Attribute Centrality***Presenting author: **Seth Chin-Parker****Seth Chin-Parker:** Denison University**T.50.3: *Characterizing the Interaction of Cultural Evolution Mechanisms in Experimental Social Networks***Presenting author: **Raja Marjieh****Raja Marjieh:** Princeton University; **Manuel Anglada-Tort:** Goldsmiths, University of London; **Tom Griffiths:** Princeton University; **Nori Jacoby:** Cornell University**T.50.4: *A Normative Model of Delay Discounting Across the Lifespan: Tradeoffs Between Mortality, Fertility, and Parenting***Presenting author: **Junsong Lu****Junsong Lu:** University of California San Diego; **Xiaotian Wang:** the Chinese University of Hong Kong, Shenzhen**2:15pm - 3:45pm ORAL TALK: LANGUAGE 6**

Nob Hill D

T.51.1: *Words with more diverse semantic networks are more readily extended to novel meanings*Presenting author: **Qiawen Liu****Qiawen Liu:** University of Wisconsin-Madison; **Gary Lupyan:** University of Wisconsin - Madison; **Mahesh Srinivasan:** University of California, Berkeley; **Bill Thompson:** University of California, Berkeley

cont'ed

2:15pm - 3:45pm

Nob Hill D

T.51.2: Lexical leveraging across the vocabulary spectrum: Different semantic properties support delayed and advanced learnersPresenting author: **Amanda Rose Yuile****Amanda Rose Yuile:** Purdue University; **Justin B. Kueser:** Boys Town National Research Hospital; **Claney Outzen:** Purdue University; **Sharon Christ:** Purdue University; **Risa Stiegler:** Purdue University; **MaryCarson G Adams:** Purdue University; **Barbara Brown:** Purdue University; **Arielle Borovsky:** Purdue University**T.51.3: Emotion influences behavioral outcomes and attention during goal-directed reading**Presenting author: **Eric Wang****Eric Wang:** the Chinese University of Hong Kong; **Yueyuan Zheng:** Hong Kong University of Science and Technology; **Janet Hsiao:** Hong Kong University of Science & Technology; **Urs Maurer:** the Chinese University of Hong Kong**T.51.4: Polysemy and Inference: Reasoning with Underspecified Representations**Presenting author: **Griffin Pion****Elliot Guston Schwartz:** CUNY Graduate Center; **Griffin Pion:** CUNY Graduate Center; **Jake Quilty-Dunn:** Rutgers University; **Eric Mandelbaum:** CUNY Graduate Center; **Spencer Caplan:** CUNY Graduate Center

2:15pm - 3:45pm

Nob Hill D

ORAL TALK: SOCIAL COGNITION 3**T.52.1: Collective Behavior Emerging from Social Learning Strategies and Network Structures**Presenting author: **Jingyu Xi****Jingyu Xi:** University of Konstanz; **Wataru Toyokawa:** RIKEN Center for Brain Science**T.52.2: Overcoming Learning Traps Through Social Learning**Presenting author: **Brett Hayes****Brett Hayes:** University of New South Wales; **Matthew Edward Young:** University of New South Wales; **YanJun Liu:** University of New South Wales; **Ben Newell:** University of New South Wales**T.52.3: Disentangling Model-Based and Model-Free Moral Learning**Presenting author: **Zahra Tahmasebi****Zahra Tahmasebi:** University of California, Los Angeles; **Maximilian Maier:** University College London; **Vanessa Cheung:** University College London; **Fiery Cushman:** Harvard University; **Falk Lieder:** University of California, Los Angeles**T.52.4: Longitudinal stability of the effect of depression on social decision-making**Presenting author: **Qi Xiu Fu****Qi Xiu Fu:** Icahn School of Medicine at Mount Sinai; **Blair R K Shevlin:** Icahn School of Medicine at Mount Sinai; **Arianna Neal Davis:** Icahn School of Medicine at Mount Sinai; **Shawn A Rhoads PhD:** Icahn School of Medicine at Mount Sinai; **Kaustubh R Kulkarni:** Icahn School of Medicine at Mount Sinai; **Helen S Mayberg:** Icahn School of Medicine at Mount Sinai; **Xiaosi Gu:** Icahn School of Medicine at Mount Sinai

3:45pm - 4:00pm

15-MIN COMFORT BREAK

4:00pm - 4:30pm

Salon 7

CLOSING REMARKS

WORKSHOPS

The CogSci 2025 Program includes a series of workshops, scheduled to take place on Wednesday, July 30, 2025. These pre-conference sessions are optional to attend and there is a \$40 registration fee for each workshop. Pre-registration is required.

WORKSHOP 1

08:30am - 12:00pm **Putting it together: Interactions between domains of cognition**

Pacific A

Shari Liu: Johns Hopkins University; **Joseph Outa:** Johns Hopkins University

One of the oldest and deepest questions across the cognitive sciences concerns the architecture of the mind (Fodor, 1983). Which cognitive capacities are supported by domain-general computations that apply to a broad set of inputs, and which are supported by domain-specific computations, that are specialized for a particular mental function? This question has motivated a broad set of research programs, ranging from the evolution and development of human knowledge (Tomasello, Melis, Tennie, Wyman, & Herrmann, 2012), to the specialization of neural functions (Kanwisher, 2010), to building machines to think and learn in the same ways that we can (Lake, Ullman, Tenenbaum, & Gershman, 2017).

WORKSHOP 2

08:30am - 12:00pm **Reasoning Across Minds and Machines**

Pacific B

Hanbo Xie: Georgia Institute of Technology; **Jian-Qiao Zhu:** Princeton University; **Hua-Dong Xiong:** Georgia Institute of Technology; **Robert Wilson:** Georgia Tech; **Tom Griffiths:** Princeton University

Reasoning is one of the hallmarks of both natural and artificial intelligence. Understanding how reasoning operates in the human mind is crucial in cognitive science. Despite a long history of research on human reasoning in cognitive science ranging from heuristics (Tversky & Kahneman, 1974) to mental models (Johnson-Laird, 1983), and from Bayesian modeling (Oaksford & Chater, 2007; Griffiths, Chater, & Tenenbaum, 2024) to neuroscience (Goel & Dolan, 2003); little is known about how humans reason so flexibly in real life and how reasoning contributes to high-level cognitive functions including planning, social interaction, complex problem-solving, and open-ended mental exploration. Previous studies face challenges that hinder a deeper understanding of reasoning, including the difficulty of designing well-balanced experimental paradigms that maintain both control and ecological validity, efficient data collection and analysis beyond pure behavioral measures (e.g., Think-Aloud text data (Simon & Ericsson, 1984)), and understanding complex interactions between reasoning and other high-level cognitive functions, such as memory, theory of mind, and language.



WORKSHOP 3

08:30am - 12:00pm **Information Theory and Cognitive Science**

Pacific C

Noga Zaslavsky: *New York University*; **Thomas A Langlois:** *Massachusetts Institute of Technology*; **Nathaniel Imel:** *New York University*; **Clara Meister:** *ETH Zurich*; **Eleonora Gualdoni:** *Universitat Pompeu Fabra*; **Daniel Polani:** *University of Hertfordshire*

This workshop focuses on information theory and cognition. The goal is to create a multidisciplinary space for discussing the most recent advances at the intersection of information theory and cognitive science and to explore how this emerging research area can help the field advance toward a more comprehensive and principled mathematical theory of human cognition.

WORKSHOP 4

08:30am - 12:00pm **Minds in the Making: Cognitive Science and Design Thinking**

Pacific E

Junyi Chu: *Stanford University*; **Arnav Verma:** *Stanford University*; **Guy Davidson:** *New York University*; **Robbie Fraser:** *Stanford University*; **Judith E. Fan:** *Stanford University*

All around us are traces of human design, from color-coded subway maps that facilitate navigation to furniture that balances form and function. The human capacity for creation has long fascinated cognitive scientists. Early studies of innovation highlighted the role of problem-solving, elucidating the roles of search and heuristics (Simon, 1996; Newell, 1972). Research on object perception and tool use enhanced our understanding of how humans interact with and manipulate their environment (Gibson, 1977; Norman, 1999). Subsequently, research in the visual and spatial domains uncovered key abstractions supporting reasoning, communication, and expression through visual forms, such as mental models, diagrams, and spatial analogies (Hegarty, 2011; Tversky, 2010; Goel, 1995).

WORKSHOP 5

08:30am - 12:00pm **Behavioral Network Science**

Pacific J

Thomas Hills: *University of Warwick*

Structure matters in cognitive science. Whether we are asking about memory retrieval, semantic representations, categorization, language acquisition, learning from complex information, aging, or creativity, cognitive scientists often find themselves forced to reckon with structure. Network science offers a quantitative approach for doing this by allowing us to ask questions about the relationships between various entities at scales ranging from dyads, to communities, to entire systems. In this case, the entities are the nodes in the network and the relationships are the edges between them. Exploring how this plays out in actual practice is incredibly varied, aesthetically and intellectually beautiful, and deeply rewarding, allowing us to develop and test hypotheses about cognition that are not otherwise possible. As a metric ruler measures length, allowing us to compare human height with the Burj Khalifa, network science measures structure, allowing us to compare the structure of our environments with the structure of our cognitive representations, how those representations change across the lifespan, and how different processes interacting with those structures generate behavior.



WORKSHOP 6

08:30am - 12:00pm ***Succeeding in the Start-up Ecosystem***
Pacific G

Linus Liang: Kyber Knight Capital; **Robert Glushko:** University of California, Berkeley; **Douglas Bemis:** Syntracts.com; **Sam Ramji:** Sailplane.Ai; **Andreas Stuhlmüller:** Ought Inc.

This workshop aims to guide cognitive science PhD students on starting a company within the start-up ecosystem., with an emphasis on how to use venture capital (VC). It will cover essential concepts, stages, decision points, and skills needed to improve chances for success. The workshop will also compare VC funding phases with those in academic research to make the concepts and processes more accessible.

This workshop will begin by helping students calibrate their motivations and timelines for creating a startup company or joining one. After a review of the typical startup lifecycle by a venture capitalist, three startup founders will explain their career trajectories and critical decision points. They will then introduce important decisions about product, market, software, and funding strategies. Students will then participate in breakout sessions in one of these four areas. After the breakout sessions, the workshop will conclude with open discussion with the presenters.

WORKSHOP 7

08:30am - 12:00pm ***Meta-reasoning: Deciding which game to play, which problem to solve, and when to quit***
Pacific H

Lionel Wong: Stanford University; **Tracey Mills:** Massachusetts Institute of Technology; **Ionatan Kuperwajs:** Princeton University; **Katherine M Collins:** University of Cambridge; **Tom Griffiths:** Princeton University

People are general purpose problem solvers. We obtain food and shelter, manage companies, solve moral dilemmas, spend years toiling away at thorny math problems, and even adopt arbitrary problems through puzzles and games. The cognitive flexibility which allows us to represent and reason about such a wide range of problems, often referenced as a distinguishing feature of human intelligence (Tomasello, 2022), presents us with an especially ubiquitous one: deciding which problem to solve. The meta-level problem of what problem to choose exists, in part, because people have limited problem solving resources (Griffiths et al., 2020). While this challenge has been examined through various lenses across cognitive science, implicit in many of these perspectives is the notion of bounded rationality. Given our limited time and energy, how do we decide which problems are worthwhile and when we should quit to pursue something new?

WORKSHOP 8

08:30am - 12:00pm
Pacific I

Building computational models of social cognition in memo

Kartik Chandra: *Massachusetts Institute of Technology*; **Sean Dae Houlihan:** *Dartmouth College*; **Max Kleiman-Weiner:** *University of Washington*

One of the most influential computational paradigms in modern cognitive science is the Bayesian modeling of social cognition. This paradigm models people's intuitions about other agents in terms of recursive probabilistic reasoning: agents are treated as approximately-rational decision-makers, who make Bayesian inferences about *other* agents' mental states from their observable behavior. Computational models designed in this tradition have been used in seminal work on theory-of-mind, language and communication, emotion understanding, and many other key areas of interest in cognitive science.

WORKSHOP 9

08:30am - 12:00pm
Pacific F

All you ever wanted to ask about Dynamic Field Theory

Gregor Schöner: *Ruhr-Universität Bochum*; **Yulia Sandamirskaya:** *Zurich University of Applied Sciences*; **Aaron Buss:** *University of Tennessee*

A neural process theory of cognition is one of the central goals of cognitive science. Connectionism was developed in pursuit of that goal leading to a range of proposed frameworks such as LISA and DORA \cite{DoumasEtAl2022}, SPAUN \cite{StewartEliasmith2012} and many others \cite{KotserubaTsotso2020}. The rise of neural AI reframes the question of how neural accounts may reach higher cognition \cite{SmolenskyEtAl2022,OReillyEtAl2022}.

But what is meant by neural process theory? Which neural principles would form the basis for such a theory? And what is it a theory of? What properties of cognition must such a theory address?

Dynamic Field Theory (DFT) gives specific answers to these questions, postulating that the dynamics of neural populations are the level of neural processing that most closely reflects the laws of cognition. It emphasizes the emergence of cognition from the sensory-motor domain, so that a theory of cognition must address both acting and thinking.

COGSCI SPECIAL EVENTS

THE RUMELHART 25TH ANNIVERSARY EVENT

Asia-Pacific Cognitive Science Group –

WEDNESDAY, JULY 30 2:00PM-5:00PM

INTERNET ARCHIVE

Join us for a special preconference symposium event celebrating 25 years of the David E. Rumelhart Prize, featuring a lineup of visionary thinkers whose work exemplifies the Rumelhart Prize's spirit.

Featured Speakers

Alison Gopnik, *University of California, Berkeley*

James McClelland, *Stanford University*

Ellie Pavlick, *Brown University*

Tom McCoy, *Yale University*

Getting there

Complimentary charter buses to the event will be available for registered participants and will depart from the Marriott Marquis at 1:15pm on the day of the event. Charters will operate on a first come, first serve basis.

Location

Housed in a historic church, The Internet Archive is a non-profit building a digital library of Internet sites and other cultural artifacts in digital form. Their mission is to provide Universal Access to All Knowledge.

DISCUSSION GROUP:***Trilingual Minds Cognitive Circle*****WEDNESDAY, JULY 30 12:30PM-1:15PM****PACIFIC A****Organizers & Presenters:****Dr. Tariq Rafeeq Khan**, *Department of Philosophy, Islamic University of Science and Technology Awantipora***Dr. Zahid Maqbool**, *Department of Computer Science, Cluster University Srinagar***Prof. Mushtaq Ahmad Ganai**, *Iqbal Institute of Cultural and Philosophy, The University of Kashmir***Prof. Aejaaz Mohammad Sheikh**, *Department of Linguistics, University of Kashmir***Dr. Asharaf Ziya**, *Department of Kashmir, Jammu and Kashmir Higher Education Department***Prof. Priyavrat Shukla**, *Department of Philosophy, Rani Durgvati University Jabalpur***Dr. Amir Reyaz**, *Department of Philosophy, Aligarh Muslim University***Dr. Umer Habib**, *Department of Psychology, Jammu and Kashmir Higher Education Department***Dr. Hilal Ahmad**, *Department of Social Psychology, SKIMS Srinagar***Format: Moderated Discussion**

The Trilingual Minds Cognitive Circle discussion group will focus on exploring how natural languages—specifically Kashmiri, Urdu, and Hindi—enhance cognitive reasoning and knowledge. The group will cover themes such as the role of multilingualism in shaping cognitive processes, the interplay between linguistic structures and reasoning capacities, and the cultural-cognitive interfaces unique to these languages. This topic is timely and of significant interest to the Cognitive Science community given the growing recognition of linguistic diversity as a lens to understand cognition. With globalized societies increasingly valuing multilingualism, understanding how languages like Kashmiri, Urdu, and Hindi, contribute to reasoning is both a scientific and societal imperative.

INVITED SYMPOSIUM SPEAKERS

The Future of Foundational Ideas of Cognitive Science

THURSDAY, JULY 31

Speakers:

Eric Margolis, *University of British Columbia*

Jose Luis Bermudez, *Texas A&M University*

William Bechtel, *University of California, San Diego*

Adele Abrahamsen, *University of California, San Diego*

Cognitive Science was born from a revolution that centered the mind as the object of study, resulting in new fields that study the nature of mental representations, consciousness, the origins of knowledge, and how the brain carries out mental computations. Which of the foundational ideas and debates that emerged from the Cognitive Revolution remain important to current discourse in our field?

The Role of AI in Theories of the Future

FRIDAY, AUGUST 1

Speakers:

Peter Dayan, *Max Planck Institute for Biological Cybernetics*

Yejin Choi, *University of Washington*

William Cunningham, *University of Toronto*

The rapid emergence of AIs and their success in modeling diverse aspects of human language and cognition raise important questions about the future of theory building in our field. Do the engineering successes of AI suggest a new theoretical path forward for Cognitive Science? What role should foundational ideas in Cognitive Science play in theory making as we look to the future?

New Theoretical Horizons in Cognitive Science

SATURDAY, AUGUST 2

Speakers:

Jake Quilty-Dunn, *Rutgers University*

Natalia Vélez, *Princeton University*

Ellie Pavlick, *Brown University*

What is the future of theory in the Cognitive Sciences? In this transitional moment in Cognitive Science, what questions are most central to understanding human cognition? Which of the foundational theoretical constructs of our field deserve to be preserved in the coming years? What changes are required? What paths are most likely to lead to innovation and discovery?



SYMPOSIUM

SYMPOSIUM 1:

The cognitive science of caregiving

THURSDAY, JULY 31, 10:30AM - 12:00PM

SALON 1

Reut Shachnai: *Yale University*; **Julia Anne Leonard:** *Yale University*; **Alison Gopnik:** *University of California at Berkeley*; **Max Kleiman-Weiner:** *University of Washington*; **Lindsey J Powell:** *University of California, San Diego*

Caregiving is essential to human survival and flourishing, yet it has been largely overlooked across scientific disciplines, including economics, philosophy, politics, and, importantly “cognitive science. Caregiving remains poorly understood, in part, because it does not fit neatly within traditional frameworks of human cognition and behavior (Gopnik, 2023). Take, for instance, theories of morality and cooperation (Kleiman-Weiner, Saxe, & Tenenbaum, 2017; Powell, 2022). Unlike the principle of universalism, which emphasizes impartiality, caregiving involves prioritizing the needs of specific individuals over others (Gilligan, 1993). Caregiving also directly challenges the utilitarian principle of “the greatest good for the greatest number”, since it involves actions that benefit others at significant personal cost. Furthermore, caregiving diverges from the principle of reciprocity “a cornerstone of human cooperation” because caregivers generally do not expect anything in return for their actions (Fiske, 1992).

SYMPOSIUM 2:

I Know I Should: Normative Competence From Biology To AI

THURSDAY, JULY 31, 10:30AM - 12:00PM

SALON 2

Joel Leibo: *Google DeepMind*; **Sydney Levine:** *Allen Institute for AI*; **John Michael:** *University of Milan*; **Jordan Theriault:** *Northeastern University*; **Luca Tummolini:** *National Research Council of Italy*

How do people understand what is normatively expected from them? And how does normative cognition motivate action? A distinct feature of human sociality is our capacity to sense the appropriate thing to say in a certain context or the action that should be done and to care enough to do it. Such competence with social norms stabilizes joint action between dyads and enables cooperation among thousands, but whether it is the product of domain-general learning mechanisms or dedicated cognitive ones is still unclear (Heyes, 2024). Moreover, as the many blunders made by contemporary AI systems like LLMs show, autonomous AI agents too need to acquire some level of normative competence to be reliable partners. However whether this is possible with current architectures is still debated (Browning, 2024). The aim of this symposium is to bring together researchers to discuss the biological, cognitive, computational and interactive bases of normative motivation and judgment.



SYMPOSIUM 3:***Advancing The Cognitive Science of Online Political Discourse*****THURSDAY, JULY 31, 2:15PM - 3:45PM****SALON 1****Micah Goldwater:** *University of Sydney*; **Sze Yuh Nina Wang:** *Cornell University*; **Hunter Priniski:** *University of California, Los Angeles*; **Zachary Horne:** *University of Edinburgh*

The public sphere has shifted online, fundamentally altering the way political ideas are shared, debated, and contested. From topic-based chatrooms and social media threads to viral memes and videos, the internet has created new modes of political communication. To grasp how political thought is constructed in this digital landscape, we need to examine both the content of political messages and the structures that shape their impact. Studying this question is difficult not just because of the complexity of measuring and intervening on human political cognition in a noisy naturalistic setting but because of, for example, the proliferation of bots in online spaces and the frequency of insincere bad-faith posting and commentary. The research presented at this symposium advances our understanding of online political discourse by applying multiple methodologies, including statistical modeling and natural language processing of social media corpora, along with novel experiments on persuasion and how to counter misinformation.

SYMPOSIUM 4:***Perception as a Foundation for Common-Sense Theories of the World*****FRIDAY, AUGUST 1, 9:00AM -10:30AM****SALON 2****Abdul-Rahim Deeb:** *Johns Hopkins University*; **Kevin A Smith:** *Massachusetts Institute of Technology*; **Shari Liu:** *Johns Hopkins University*; **Judith E. Fan:** *Stanford University*

Humans have the remarkable ability to construct commonsense theories about the world through perception. From inferring the physical relationships between objects to understanding social interactions and predicting future events, perception plays a foundational role in shaping how we learn and reason. But how do systems for perception and higher-level cognitive theories interact? Are perception and common-sense knowledge distinct, such that perception simply provides information for other cognitive systems to act on (Firestone & Scholl, 2016)? Or are they interlinked in ways that allow common-sense theories to affect what we perceive, or represent the world for other commonsense domains (Levin, Baker, & Banaji, 2016)?

SYMPOSIUM 5:***The Emergence of Social Adaptation: How Children (and other Primates) Learn and Apply Social Norms to Navigate the World More Efficiently*****FRIDAY, AUGUST 1, 1:00PM - 2:30PM****SALON 1**

Oded Ritov: Psychology, University California Berkeley; **Jan Engelmann:** University of California, Berkeley; **Charles Baxley:** Psychology, University California; **Mahesh Srinivasan:** University of California, Berkeley; **Paula Fischer:** iSearch, Technical University Munich; **Daniil Serko:** Technical University Munich; **Gil Diesendruck:** Bar-Ilan University; **Audun Dahl:** University of California, Santa Cruz

Successfully navigating the social world requires individuals to flexibly adapt their behavior to different situational demands. Yet, the social world is also governed by broad behavioral rules: norms that prescribe or proscribe behaviors in certain situations. This poses a particularly interesting problem for early development: learning the foundational structure of norms may require strict adherence, but effective social functioning involves flexibility. Here, we refer to the ability to flexibly navigate social norms as social adaptation.

SYMPOSIUM 6:***The role of language in human and machine intelligence*****FRIDAY, AUGUST 1, 1:00 PM - 2:30 PM****SALON 2**

Gary Lupyan: University of Wisconsin, Madison; **Sean Trott:** University of California, San Diego; **Martin Zettersten:** University of California, San Diego; **Hunter Gentry:** Kansas State University; **Tom Griffiths:** Princeton University; **Anna Ivanova:** Georgia Institute of Technology

We use language to communicate our thoughts. But is language merely the expression of thoughts, which are themselves produced by other, nonlinguistic parts of our minds? Or does language play a more transformative role in human cognition, allowing us to have thoughts that we otherwise could (or would) not have? Recent developments in artificial intelligence and cognitive science have reinvigorated this old question. Could language hold the key to the emergence of both artificial intelligence and important aspects of human intelligence? The four contributions in this symposium address this question by drawing on behavioral and neural evidence from people, and the remarkable recent developments in AI which appear to show that artificial neural networks trained on language come to have an astonishing range of abilities. Despite the diversity of the speakers' perspectives, the four contributions paint a coherent (if complex) picture: The abilities of large language models (LLMs) serve as an existence proof of just how much can 'in principle' be learned from language. LLMs also act as a stress test of cognitive theories. The evidence of

neural dissociation between linguistic and conceptual processing points to the multiple realizability of human-like cognition. Finally, there is an acknowledged need for systematic research on how the successes and failures of LLMs inform our understanding of human cognition.

SYMPOSIUM 7:

Cognitively Inspired Interpretability in Large Neural Networks

FRIDAY, AUGUST 1, 4:00PM - 5:30PM

SALON 1

Anna Leshinskaya: *University of California, Irvine*; **Taylor Webb:** *Microsoft Research*; **Ellie Pavlick:** *Brown University*; **Jiahai Feng:** *University of California, Berkeley*; **Gustaw Opielka:** *University of Amsterdam*; **Claire Stevenson:** *University of Amsterdam*; **Idan A Blank:** *University of California, Los Angeles*

Large Language Models (LLMs) and Vision Language Models (VLMs) have become a dominant force in artificial intelligence and have already made a major impact on the cognitive sciences, but debate persists concerning the extent to which they possess emergent cognitive capacities. Investigation of these systems at the level of behavioral outputs has led to conflicting findings, and the question of how these outputs are generated (at a mechanistic or algorithmic level) remains open. Yet, the abilities they do exhibit behaviorally offer an unprecedented opportunity to answer longstanding questions about how neural networks could, even in principle, achieve abilities that are thought to require structured representations such as syntactic, combinatorial, and variable-binding operations. In this symposium, we highlight a recent body of work that addresses this gap in understanding by investigating the internal mechanisms that support cognitive processing in LLMs and other large-scale neural networks. The symposium brings together researchers with backgrounds in both computer science and psychology, exploring ways in which mechanistic interpretability research and cognitive science can mutually inform one another.

SYMPOSIUM 8:

Defending Science in 2025

FRIDAY, AUGUST 1, 4:00PM - 5:30PM

SALON 2

Steven Piantadosi: *University of California, Berkeley*

Higher education and science are facing unprecedented challenges. What can we do as scientists? This symposium aim to highlight ongoing efforts to protect our research, institutions, and academic rights, provide concrete actions we can take, and collectively brainstorm a strategy going forward.



SYMPOSIUM 9:***Minds at School: Advancing cognitive science by measuring and modeling human learning in situ*****SATURDAY, AUGUST 2, 10:30AM - 12:00PM****SALON 2**

Judith E. Fan: *Stanford University*; **Kristine Zheng:** *Stanford University*; **Benjamin Motz:** *Indiana University*; **Shayan Doroudi:** *University of California, Irvine*; **Ji Son:** *California State University, Los Angeles*; **Candace Thille:** *Stanford University*

Unlike in other animals that might reach full maturity within a few months or years, human cognitive development follows an unusually protracted timeline. In many contemporary societies, people might require several years of scaffolded learning opportunities to develop the full suite of cognitive skills and abilities they are expected to have as adults. This extended period of development reflects our species' unique capacity for cumulative cultural learning: humans have evolved specialized cognitive mechanisms that enable us to learn from, communicate with, and teach others across the lifespan (Csibra & Gergely, 2009; Tomasello, 2016).

SYMPOSIUM 10:***New Perspectives in Computational Modeling of Human Attention*****SATURDAY, AUGUST 2, 2:15PM - 3:45PM****SALON 2**

Ilker Yildirim: *Yale University*

This symposium will present a set of four talks and a panel discussion that will together take the audience inside a scientific revolution that has been (largely quietly) unfolding in the field of attention: A set of recent computational modeling approaches that allow us to think about human attention in fundamentally new ways.

In cognitive science, studies of attention stand out in at least two dimensions. First, and most bluntly, it is an outright confusing area to work in. Attention is a term ascribed to many sorts of mechanisms and phenomena. Case in point: there are at least three papers all published in 2024 presenting ongoing active (and, surprisingly, topically, largely non-overlapping) debates: Rosenholtz (2024), Theeuwes (2024), and Wu (2024).

Second, attention stands out in the extent of the gap between the rich empirical phenomena integrated into conceptual theories, versus formal computational models, with most influential models dating back at least a decade (e.g., Bruce & Tsotsos, 2005; Bundesen et al., 2015; Reynolds & Heeger, 2009; Wolfe, Cave, & Franzel, 1994; Doshier & Lu, 2000), rather than keeping up with the advances in experimental work.

This 90-minute-long gathering will show how the field of attention has been radically changing along both dimensions --- how models of attention have been carving new and productive ways of better drawing the contours of what attention is and enabling progress toward a more integrated research landscape of experiments and modeling.

SYMPOSIUM 11:

Naturalistic observation of language development outside the home

SATURDAY, AUGUST 2, 2:15PM - 3:45PM

NOB HILL B

Claire Augusta Bergey: *Stanford University*; **Marisa Casillas:** *University of Chicago*; **Daniel Messinger:** *University of Miami*; **Robert Z. Sparks:** *Stanford University*

How do children learn to talk to others? Mastery of language means being able to communicate with a wide array of interlocutors (Schieffelin & Ochs, 1986). Yet researchers have tended to treat parent-child interaction as the paradigmatic site of language learning, neglecting how children learn to use language with other people in their lives. As a result, we have come to not only lack basic facts about the full distribution of children's language input and use; we miss precisely those contexts that call for complex conversational skills, such as adapting to novel interlocutors and maintaining conversations without parent scaffolding.

POSTER SESSIONS

In-person posters will be presented during three poster sessions in **Salon 8**.

Poster numbers are PX-X-XXX. The first letter indicates if the poster presentation is in-person (P) or virtual (V). The first number after this letter identifies the poster session. The letter indicates the first author's last name. The number following the letter is the location of the poster in the hall or online platform.

**Removal of posters at the end of the display period is the responsibility of the author(s). Posters not removed by the deadline will be removed and disposed of by meeting staff. Please note that the posters will be held at the registration desk until the end of the conference after which time they will be recycled.*

POSTER SESSION 1: THURSDAY, JULY 31

Set Up: 8:00am – 10:30am

Session Time: 1:00pm – 2:15pm

Tear Down: 2:15pm – 4:00pm

POSTER SESSION 2: FRIDAY, AUGUST 1

Set Up: 8:00am – 10:30am

Session Time: 10:30am – 12:00pm

Tear Down: 12:00pm – 4:00pm

POSTER SESSION 3: SATURDAY, AUGUST 2

Set Up: 8:00am – 10:30am

Session Time: 1:00pm – 2:15pm

Tear Down: 2:15pm – 4:00pm

Please Note: Poster listings are current as of July 17. Please note that no further changes will be permitted until after the conference concludes. Poster listing updates and late submissions to be added to the proceedings can be submitted using the Poster Presentation Errata Form, which will be made available after the event.

POSTER SESSION 1:

THURSDAY, JULY 31

P1-A-1: *Curiosity is linked to information seeking in the moral domain*

Presenting author: **Jane Acierno**

Jane Acierno: Northeastern University; **Nathan Liang:** Boston College; **Isaac Handley-Miner:** Boston College; **Sara Constantino:** Stanford University; **Max Kleiman-Weiner:** University of Washington; **Liane Young:** Boston College; **Jordan Wylie:** Boston College

P1-A-2: *Young Children's Understanding of Prior and Posterior Probability*

Presenting author: **Stephanie Alderete**

Stephanie Alderete: University of California, Berkeley; **Ellen Tong:** University of California, Berkeley; **Wenqing Cao:** University of California, Berkeley; **Steven Piantadosi:** UC Berkeley; **Fei Xu:** UC Berkeley

P1-A-3: *Exploring the Cognitive Diversity of Political Concepts*

Presenting author: **Astghik Altunyan**

Astghik Altunyan: Cornell University; **Shimon Edelman:** Cornell University

P1-A-4: *Consequences of prior experience on visual problem solving*

Presenting author: **Sean P. Anderson**

Sean P. Anderson: Stanford University; **Lionel Wong:** Stanford University; **Maddy L Bowers:** MIT; **Judith E. Fan:** Stanford University

P1-A-5: *Cognitive Strategies in Solving Indeterminate Term Series Problems: A Comparison with Total Order and Symmetric Partial Order Strategies*

Presenting author: **Takafumi Aoi**

Takafumi Aoi: Japan Advanced Institute of Science and Technology; **Oki Hasewaga:** Japan Advanced Institute of Science and Technology; **Shohei Hidaka:** Japan Advanced Institute of Science and Technology

P1-A-6: *Foraging Connections: Optimal Foraging in Letter Fluency*

Presenting author: **Kimberly Arjune**

Kimberly S Arjune: Syracuse University; **Jeffrey Zemla:** Syracuse University



P1-B-7: Using Network Science to Measure Centrality and Standardness in Event Knowledge

Presenting author: **Mackenzie Bain**

Mackenzie Bain: University of Western Ontario; **Martha Valmana Crocker:** University of Western Ontario; **Beatrice Valmana Crocker:** University of Western Ontario; **Kevin Brown:** Oregon State University; **Kara E Hannah:** University of Western Ontario; **Ken McRae:** University of Western Ontario

P1-B-8: Spot the ball: Inferring Hidden Information from Human Behavioral Cues

Presenting author: **Neha Balamurugan**

Neha Balamurugan: Stanford University; **Sarah A Wu:** Stanford University; **Cristobal Eyzaguirre:** Stanford University; **Adam Chun:** Stanford University; **Tobias Gerstenberg:** Stanford University

P1-B-9: Learning from thought experiments in early childhood

Presenting author: **Igor Bascandziew**

Igor Bascandziew: Harvard University; **Garvin Brod:** DIPF; **Patrick Shafto:** Rutgers University - Newark; **Elizabeth Bonawitz:** Harvard University

P1-B-10: Inferential Language is Limited and Unevenly Distributed in Popular Texts Used For Literacy Tutoring

Presenting author: **Rose Beacham**

Rose E Beacham: The University of Notre Dame; **Sarah Ochocki:** University of Notre Dame; **Amy L Miyahara:** University of Notre Dame; **Nicole M McNeil:** University of Notre Dame

P1-B-11: Influence of reward on visuomotor adaptation in complex tasks

Presenting author: **Vikranth Rao Bejjanki**

Vikranth Rao Bejjanki: Hamilton College; **Georgia E H Brown:** Hamilton College; **Sophia Katz:** Hamilton College; **Jordan Taylor:** Princeton University

P1-B-12: Teasing Apart Architecture and Initial Weights as Sources of Inductive Bias in Neural Networks

Presenting author: **Gianluca Bencomo**

Gianluca Bencomo: Princeton University; **Max Gupta:** Princeton University; **Ioana Marinescu:** New York University; **R. Thomas McCoy:** Yale University; **Tom Griffiths:** Princeton University

P1-B-13: Fast and robust Bayesian inference for modular combinations of dynamic learning and decision models

Presenting author: **Krishn Bera**

Krishn Bera: Brown University; **Alexander Fengler:** Brown University; **Michael J. Frank:** Brown University

P1-B-14: Estimating and Correcting Yes-No Bias in Language Models

Presenting author: **Om Bhatt**

Om Bhatt: Georgia Institute of Technology; **Anna Ivanova:** Georgia Institute of Technology

P1-B-15: Shared control impairs cognitive control: Human responses inhibition slows when machines fail to inhibit

Presenting author: **Patrick G. Bissett**

Patrick G. Bissett: Stanford University; **Kriti G Achyutuni:** Stanford University; **Jaime Ali H. Rios:** Duke University; **Henry M. Jones:** University of Chicago; **Russell Poldrack:** Stanford University

P1-B-16: Reinforcement learning produces efficient case-marking systems

Presenting author: **Stephen Wechsler**

Sasha Boguraev: University of Texas at Austin; **Katrin Elisabeth Erk:** University of Texas at Austin; **Kyle Mahowald:** UT Austin; **James W Shearer:** JW Shearer Consulting; **Stephen Mark Wechsler:** The University of Texas

P1-B-17: Preschoolers can form conventional pacts with each other to communicate about novel referents

Presenting author: **Veronica Boyce**

Veronica Boyce: Stanford University; **Robert Z. Sparks:** Stanford University; **Yannick Jenga Mofor:** Stanford University; **Michael C. Frank:** Stanford University

P1-B-18: CNNs Generalize Numerosity Across Naturalistic Stimuli Without Single-Unit Selectivity

Presenting author: **Jisk Groot**

Tammo Nils Helmut Rudolf Brandes: University of Amsterdam; **Jisk Groot:** University of Amsterdam; **Raquel G. Alhama:** University of Amsterdam

P1-B-19: How do we get to know someone? Diagnostic questions for inferring personal traits

Presenting author: **Erik Brockbank**

Erik Brockbank: Stanford University; **Tobias Gerstenberg:** Stanford University; **Judith E. Fan:** Stanford University; **Robert Hawkins:** Stanford University

P1-B-20: Coupled echo state networks as a model of task-oriented alignment

Presenting author: **Polyphony Bruna**

Polyphony Bruna: University of California, Merced; **Rick Dale:** University of California, Los Angeles; **Michael Spivey:** University of California, Merced; **Christopher Kello:** University of California, Merced

P1-B-21: Kenyan, Chinese and US children rely on different metacognitive strategies when solving a problem

Presenting author: **Florian Buehler**

Florian J Buehler: University of California Berkeley; **Henriette Zeidler:** Sapienza University of Rome; **Zhen Zhang:** Chinese Academy of Sciences; **Yufei Zong:** University of California, Irvine; **Esther Herrmann:** University of Portsmouth; **Hanna Schleihau:** Utrecht University; **Laura Lewis:** University of California, Berkeley; **Jan Engelmann:** University of California, Berkeley



P1-C-23: Goldilocks Pattern of Learning after Observing Unexpected Physical Events

Presenting authors: Qiong Cao, Di Liu

Qiong Cao: Massachusetts Institute of Technology; Di Liu: Johns Hopkins University; Lisa Feigenson: Johns Hopkins University

P1-C-24: Surprise isn't symmetrical: Adults' looking suggests non-perceptual considerations during dishabituation

Presenting author: Qiong Cao

Qiong Cao: MIT; Anjie Cao: Stanford ; Gal Raz: MIT; Joshua B. Tenenbaum: MIT; Shari Liu: Johns Hopkins University

P1-C-25: Are You Sure About That? The Impact of Semantic Relatedness on Learning Through Testing, JOLs, and Passive Restudy

Presenting author: Alejandro Carranza

Alejandro Carranza: University of California, San Diego; Tim C Rickard: University of California, San Diego; Emma H Geller: University of California San Diego

P1-C-26: Sentence cues or semantics? Using eye tracking to study sentence processing in heritage Spanish-English bilinguals.

Presenting author: Rachel L Casper

Rachel L Casper: University of California - Merced

P1-C-27: Large Language Model Discourse Dynamics

Presenting author: Ryan Chaiyakul

Ryan Chaiyakul: UCLA; Zachary P Rosen: University of California, Los Angeles; Rick Dale: UCLA

P1-C-28: Quantifying Recursive Mentalizing Depth for Social Navigation

Presenting author: Qi Chang

Qi Chang: School of Psychology and Cognitive Science; Chen Zhou: University of Glasgow; Ming-Cheng Miao: East China Normal University; Shuye Chen: East China Normal University; Yihe Gu: School of Psychology and Cognitive Science; Shuguang Kuai: East China Normal University

P1-C-29: Generation and Evaluation in the Human Invention Process through the Lens of Game Design

Presenting author: Katherine M. Collins

Katherine M Collins: MIT; Graham Todd: New York University; Cedegao E Zhang: Massachusetts Institute of Technology; Adrian Weller: University of Cambridge; Julian Togelius: New York University; Junyi Chu: Harvard University; Lionel Wong: Massachusetts Institute of Technology; Tom Griffiths: Princeton University ; Joshua B. Tenenbaum: MIT

P1-C-30: Portraying Large Language Models as Machines, Tools, or Companions Affects What Mental Capacities People Attribute to Them

Presenting author: Allison Chen

Allison Chen: Princeton University; Sunnie S. Y. Kim: Princeton University; Amaya Dharmasiri: Princeton University; Olga Russakovsky: Princeton University; Judith E. Fan: Stanford University

P1-M-31: Word Embeddings Track Social Group Changes Across 70 Years in China

Presenting author: Yuxi Ma

Yuxi Ma: Peking University; Yongqian Peng: Peking University; Yixin Zhu: Peking University

P1-C-32: Connectives and clause order modulate Chinese pronoun resolution

Presenting author: Shuya Chen

Shuya Chen: University of Edinburgh; Patrick Sturt: University of Edinburgh; Vicky Chondrogianni: University of Edinburgh

P1-C-33: The Developmental Role of Spatial Abilities in Predicting Science Achievement in Elementary and Middle School: A Cross-Sectional Study

Presenting author: Cheung Ka To

Kato Cheung: The University of Hong Kong

P1-C-34: How Well Do Adults and Children Remember Agents and Actions in Dynamic Events?

Presenting author: Jane B. Childers

Jane B. Childers: Trinity University; Alan W. Kersten: Florida Atlantic University; Allen Hagen: Florida Atlantic University; Lindsey Pugh: Florida Atlantic University; Sneha Lalani: Trinity University; Ayeleen Merchant: Trinity University

P1-C-35: Phonological Overlap Connects Semantically-Unrelated Concepts: Evidence from Neural Correlates of Language Co-activation

Presenting author: Ashley Chung-Fat-Yim

Ashley Chung-Fat-Yim: University of Manitoba; Maya Page: Northwestern University; Viorica Marian: Northwestern University

P1-C-36: The superiority of graphics over text in long-term memory retention

Presenting author: Lorenzo Ciccione

Lorenzo Ciccione: Collège de France - PSL University; Syalie Liu: Collège de France; Stanislas Dehaene: NeuroSpin Center, CEA DRF/I2BM, INSERM, Université Paris-Sud, Université Paris-Saclay

P1-C-37: Sublexical ARTifacts: Bottom-up Interference in a Lexical Category Search

Presenting author: Nora Ranck Dee

William S Clapp: Stanford University; Nora Ranck Dee: Stanford University; Meghan Sumner: Stanford University

P1-C-38: Framing in context: Disabling conditions and alternative causes in health communication

Presenting author: Karolina Krzyżanowska

Peter Collins: University of Greenwich; Karolina Krzyżanowska: University of Amsterdam; Ulrike Hahn: Birkbeck, University of London



P1-C-39: Young children use offers of help to infer relative task difficulty and agent competence

Presenting author: **Aneesa Conine-Nakano**

Aneesa Conine-Nakano: Stanford University; **Andrea Marie-Rose:** Stanford University; **Katherine Adams Shannon:** Stanford University; **Hyowon Gweon:** Stanford University

P1-C-40: Who's the actor? Performing and observing pantomimed actions

Presenting author: **Sholei Croom**

Sholei Croom: Johns Hopkins University; **Chaz Firestone:** Johns Hopkins University

P1-C-41: For GPT-4 as with Humans: Information Structure Predicts Acceptability of Long-Distance Dependencies

Presenting author: **Nicole Cuneo**

Nicole Cuneo: Princeton University; **Nora Graves:** Princeton University; **Supantho Rakshit:** Princeton University; **Adele Goldberg:** Princeton University

P1-C-42: What does action do to object? The case of metaphoric action.

Presenting author: **Dr. Vicky Tzuyin Lai**

Çağatay Çora: University of Arizona; **Rutvik H. Desai:** University of South Carolina; **Vicky Tzuyin Lai:** University of Arizona

P1-D-43: Children Spontaneously Design Curricula to Tackle Challenging Tasks

Presenting authors: **Annya Dahmani** and **Eunice Yiu**

Annya Dahmani: UC Berkeley; **Eunice Yiu:** UC Berkeley; **Alison Gopnik:** University of California at Berkeley

P1-D-44: Seeing through Occlusion: Uncertainty-aware Joint Physical Tracking and Prediction

Presenting author: **Arijit Dasgupta**

Arijit Dasgupta: Massachusetts Institute of Technology; **Andrew D Bolton:** CHI FRO; **Vikash Mansinghka:** MIT; **Joshua B. Tenenbaum:** MIT; **Kevin A Smith:** Massachusetts Institute of Technology

P1-D-45: Who Likes What? Comparing Personal Preferences with Group Predictions based on Gender and Extraversion Across Common Semantic Domains.

Presenting author: **Simon De Deyne**

Simon De Deyne: University of Melbourne; **Andrew Perfors:** University of Melbourne

P1-D-46: The Patchwork Approach: Toward a Perceptual Theory of Intuitive Physics

Presenting author: **Abdul-Rahim Deeb**

Abdul-Rahim Deeb: Johns Hopkins University

P1-D-47: Do Large Language Models Reason Causally Like Us? Even Better?

Presenting author: **Hanna Marie Dettki**

Hanna M Dettki: New York University; **Brenden Lake:** NYU; **Charley M Wu:** University of Tübingen; **Bob Rehder:** New York University

P1-D-48: Watch out for Bears: Do People Behave Differently in Perceptual and Financial Decisions?

Presenting author: **Yuyang Ding**

Yuyang Ding: University College London; **Duarte Gonçalves:** University College London; **Maarten Speekenbrink:** University College London

P1-D-49: Quantifying the context-level valence and arousal in children's written language

Presenting author: **Yuzhen Dong**

Yuzhen Dong: University of Oxford; **Kate Nation:** University of Oxford

P1-D-50: Does Connecting the Processes and Products of Science Facilitate Learning? A Schema-Based Approach

Presenting author: **Rian E. Drexler**

Rian E. Drexler: UCSD; **Celeste Pilegard:** UCSD

P1-E-51: How do LLMs Solve Multi-step Reasoning? An Algorithmic Evaluation

Presenting author: **Thomas A. McGee**

Oliver Eberle: Technische Universität Berlin; **Thomas A. McGee:** University of California, Los Angeles; **Hamza Giaffar:** University of California, San Diego; **Taylor Webb:** Microsoft Research; **Ida Momennejad:** Microsoft Research

P1-E-52: Spatial language and intuitive physics in children and adults: It's not so simple

Presenting author: **Karima Elgamal**

Karima Elgamal: Boston University; **Rennie Pasquinelli:** Johns Hopkins University; **Laura Lakusta:** Montclair State University; **Barbara Landau:** Johns Hopkins University

P1-E-53: Preschoolers Compute Literal and Pragmatic Meanings of Conditionals with Contextual Support

Presenting author: **Ebru Evcen**

Ebru Evcen: University of California San Diego; **David Barner:** UC San Diego

P1-F-54: Early experiences shape children's explore-exploit decisions: evidence from the rural-urban gap

Presenting author: **Yijin Fang**

Yijin Fang: Tsinghua University; **Huiwen Alex Yang:** University of California, Berkeley; **Stella Christie:** Tsinghua University

P1-F-55: A Computational Account of Epistemic Vigilance: Learning from Selective Truths through Bayesian Reasoning

Presenting author: **Ke Fang**

Ke Fang: Stanford University; **Robert Hawkins:** Stanford University; **Charley M Wu:** University of Tübingen; **Michael Franke:** University of Tübingen



P1-F-56: Redefining External Memory in the AI Era

Presenting author: **Ruiyang Feng**

Ruiyang Feng: The Hong Kong University of Science and Technology (Guangzhou); **Zhaoting Liu:** Zhejiang Gongshang University

P1-F-57: Primitive Linguistic Compositionality in a Hebbian Neural Network

Presenting author: **George Flint**

George Rocco Flint: University of California, Berkeley; **Anna Ivanova:** Georgia Institute of Technology

P1-F-58: Learning from errors: Effects of feedback timing and warnings on cue-target and error-target recall

Presenting author: **Isabel Folger**

Isabel Folger: University of California, Santa Cruz; **Hannah Hausman:** University of California Santa Cruz

P1-F-59: Tracking Uncertainty During Uncertain Tracking

Presenting author: **Yoni Friedman**

Yoni Friedman: MIT; **Matin Ghavami:** MIT; **Maddy L Bowers:** MIT; **Andrew D Bolton:** CHI FRO ; **Max Siegel:** MIT; **Vikash Mansinghka:** MIT; **Joshua B. Tenenbaum:** MIT

P1-G-60: Disgust Reactions and Their Justifications: The Case of Meat

Presenting author: **Laura Gagliardi**

Laura Gagliardi: University of Milan; **Damien Foinant:** Université Bourgogne Franche Comté; **Andrea Borghini:** Università degli Studi di Milano; **Lafraine Jérémie:** Institut Lyfe Research and Innovation Center

P1-G-61: Spatially Upward and Emotionally Uncertain: A Pilot Study on Mental Representations of Lexical Tones

Presenting author: **Feier Gao**

Feier Gao: Southeast University; **Chun Hau Ngai:** University of Ottawa; **He Zhou:** Hong Kong Polytechnic University

P1-G-62: Semantic Congruency Across Development

Presenting author: **Susan Geffen**

Susan Geffen: Occidental College; **Taylor Beck:** Occidental College; **Ainsley Shelsta:** Occidental College; **Chris Robinson:** The Ohio State University

P1-G-64: Beyond words and actions: what implicit measures reveal in preschoolers' performance on the RMTS task

Presenting author: **Susan Hespos**

Antonia Goetz: Western Sydney University; **Genevieve L Quek:** Western Sydney University; **Laura Kathleen Fimmano:** Western Sydney University; **Zoe-Vasilía Fountotos:** MARCS Institute; **Susan Hespos:** Western Sydney University

P1-G-65: How Metacognition and Personality Traits Shape Self-Regulated Learning?

Presenting author: **Julieta Goldstein**

Julieta Goldstein: Universidad Torcuato Di Tella; **Carolina A Gattei:** Universidad Torcuato Di Tella; **Cecilia Calero:** Universidad Torcuato Di Tella

P1-G-66: Are there different types of error monitoring? A microstates analysis of error-related brain activity across three tasks

Presenting author: **Anna Grabowska**

Anna Grabowska: Jagiellonian University; **Filip Sondej:** Jagiellonian University; **Magdalena Senderecka:** Jagiellonian University

P1-G-67: Do Analogies in Geoscience Textbooks Inflate Judgments of Understanding?

Presenting author: **Jennifer Wiley**

Thomas D Griffin: University of Illinois at Chicago; **Lena Hildenbrand:** University of Illinois at Chicago; **Jennifer Wiley:** University of Illinois at Chicago

P1-G-68: Exploring the Face Inversion Effect as an Indicator of Age Bias: The Impact of External Facial Features

Presenting author: **Guangtong Wang**

Wang Guangtong: University of Exeter; **Ciro Civile:** University of Exeter

P1-G-69: Learning and teaching are uncorrelated in an algorithm transmission task

Presenting author: **Qi Guo**

Qi Guo: University of California, Berkeley; **Bill Thompson:** University of California, Berkeley

P1-G-70: Convolutional Neural Networks Can (Meta-) Learn the Same-Different Relation

Presenting author: **Max Gupta**

Max Gupta: Princeton University; **Sunayana Rane:** Princeton University; **R. Thomas McCoy:** Yale University; **Tom Griffiths:** Princeton University

P1-G-71: The Influence of Generics on Inherent Reasoning and the Endorsement of Gender Stereotypes

Presenting author: **Adoración Guzmán-García**

Adoración Guzmán-García: École Pratique des Hautes Études - Paris Sciences et Lettres; **Lafraine Jérémie:** Ecole Pratique des Hautes Etudes-PSL

P1-H-72: Lexical Search Dynamics in Taxonomic, Thematic, and Ad hoc Categories

Presenting author: **Channing Hambric**

Channing E Hambric: Bowdoin College; **Michael N. Jones:** Indiana University; **Abhilasha Kumar:** Bowdoin College



P1-H-73: Toward a Formal Pragmatics of Explanation

Presenting author: **Jacqueline Harding**

Jacqueline Harding: Stanford University; **Tobias Gerstenberg:** Stanford University; **Thomas Icard:** Stanford University

P1-H-74: Can We Extend the Reverse Cohesion Effect to Programming Contexts?

Presenting author: **Rina Miyata Harsch**

Rina Miyata Harsch: University of Minnesota; **Jeffrey K. Bye:** California State University, Dominguez Hills; **Vasile Rus:** University of Memphis; **Panayiota Kendeou:** University of Minnesota

P1-H-75: Can (A)I Change Your Mind?

Presenting author: **Miriam Havin**

Miriam Havin: The Hebrew University of Jerusalem; **Timna Wharton Kleinman:** The Hebrew University of Jerusalem; **Moran Koren:** Ben Gurion University; **Yaniv Dover:** The Hebrew University; **Ariel Goldstein:** Hebrew University

P1-H-76: Irrational Speaker or Wonky World: Modeling Prior Revision and Prior Update

Presenting author: **Muxuan He**

Muxuan He: University of Southern California; **Elsi Kaiser:** University of Southern California

P1-H-77: Modeling the effect of cortical magnification on feature detection and individuation

Presenting author: **Rachel Flood Heaton**

Rachel Flood Heaton: University of Illinois Urbana-Champaign; **John E. Hummel:** University of Illinois Urbana-Champaign

P1-H-78: Repetitive Negative Thinking Naturally Emerges in a Model that Learns to Gate Affective Content into Working Memory

Presenting author: **Peter F Hitchcock**

Peter Hitchcock: Emory University

P1-H-79: State Sensitivity in an Additive Discovery Game

Presenting author: **Yifan Hong**

Yifan Hong: Tsinghua University; **Chen Wang:** Tsinghua University; **Bonan Zhao:** University of Edinburgh

P1-H-80: Eye Movement Patterns Influence Investment Decision Making

Presenting author: **Helia Hosseinpour**

Helia Hosseinpour: University of California Merced; **Zenaida Aguirre-Munoz PhD:** UC Merced; **Michael Spivey:** UC Merced; **Spencer C. Castro:** University of California Merced; **Rachel Ryskin:** University of California, Merced; **Lace M. Padilla:** Northeastern University

P1-H-81: Susceptibility to Semantic Illusions: Attentional Consequences of Other Errors

Presenting author: **Haley Hsu**

Haley Hsu: University of Southern California; **Elsi Kaiser:** University of Southern California

P1-H-82: A Quantum Model of Arousal and Yerkes Dodson Law

Presenting author: **Jiaqi Huang**

Jiaqi Huang: Indiana University; **Jonathan Cohen:** Princeton University; **Jerome Busemeyer:** Indiana University

P1-H-83: Capturing Curiosity: Task-Based Differences in Children's Exploratory Behavior

Presenting author: **Natalie Hutchins**

Natalie Hutchins: University of Virginia; **Natalie Evans:** University of Virginia; **Jamie J Jirout:** University of Virginia

P1-I-84: Exploring spatial and temporal dynamics of language comprehension in the brain with CCG

Presenting author: **Yushi Sugimoto**

Shinnosuke Isono: University of Tokyo; **Kohei Kajikawa:** The University of Tokyo; **Yushi Sugimoto:** Osaka University; **Masayuki Asahara:** National Institute for Japanese Language and Linguistics; **Yohei Oseki:** University of Tokyo

P1-J-85: Estimating Lexical-Semantic Networks from Verbal Fluency Data in 5-8 Year Olds

Presenting author: **AJ Jain**

AJ Jain: UT Southwestern Medical Center; **Martin Zettersten:** University of California San Diego; **Casey Lew-Williams:** Princeton University

P1-J-86: Cross-environment Cooperation Enables Zero-shot Multi-agent Coordination

Presenting author: **Kunal Jha**

Kunal Jha: University of Washington; **wilka carvalho:** Harvard University; **Yancheng Liang:** University of Washington; **Simon Du:** University of Washington; **Natasha Jaques:** University of Washington; **Max Kleiman-Weiner:** University of Washington

P1-J-87: On Valence: A Self-Predictive Processing Model of Emotion Regulation

Presenting author: **Yuyue Jiang**

Yuyue Jiang: University of California, Santa Barbara

P1-J-88: Sense of Joint Agency: The Role of Prior Partner Information

Presenting author: **Naohiro Jomura**

Naohiro Jomura: The University of Tokyo; **Megumi Tamura:** The University of Tokyo; **Keisuke Sato:** The University of Tokyo; **Kazuhiro Ueda:** The University of Tokyo

P1-J-89: Impact of impulsivity on brain structures associated with academic achievement

Presenting author: **Wi Hoon Jung**

Wi Hoon Jung: Gachon University; **Youngwoo Bryan Yoon:** New York University School of Medicine

P1-K-90: The benefits of one-sided iconicity

Presenting author: **Petros Kaklamanis**

Petros Kaklamanis: University of Pennsylvania; **Robert Snider:** University of Cambridge; **Gareth Roberts:** University of Pennsylvania



P1-K-91: Distinct inhibitory control systems underlie individual differences in dynamic responses to an ultimatum game: A preliminary investigation

Presenting author: David M. Sobel

David G. Kamper: University of California, Los Angeles; Mukesh B. Makwana: Brown University; Dr. Joo-Hyun Song: Brown University; David M. Sobel: Brown University

P1-K-92: Instruction tuning modulates discourse biases in language models

Presenting author: Florian Kankowski

Florian Kankowski: Bielefeld University; Torgrim Solstad: Bielefeld University; Sina Zarriß: University of Bielefeld; Oliver Bott: Bielefeld University

P1-K-93: Using Head-Mounted Eye Tracking to Examine Infant Face Looking During Naturalistic Freeplay

Presenting author: Brianna E Kaplan

Brianna E Kaplan: University of Texas at Austin; Elton Martinez: University of Texas at Austin; Chen Yu: University of Texas at Austin

P1-K-94: Replication of Prefrontal Asymmetry in Approach-Avoidance Motivation in fMRI

Presenting author: Rebecca Karpel

Rebecca Karpel: Cornell University; Owen P. Morgan: Cornell University; Amritpal Singh: Cornell University; De Fu Yap: Cornell University; Geoffrey Brookshire: Cornell University; Kira Pawletko: Cornell University; Daniel Casasanto: Cornell University

P1-K-95: A Factorized Probabilistic Model of the Semantics of Vague Temporal Adverbials Relative to Different Events

Presenting author: Svenja Kenneweg

Svenja Kenneweg: University of Bielefeld; Joerg Deigmoeller: Honda Research Institute Europe; Julian Eggert: Honda Research Institute Europe; Philipp Cimiano: Bielefeld University

P1-K-96: Neural responses of Interval Judgment in the Tritone Paradox

Presenting author: Subeen Kim

Subeen Kim: Seoul National University; Jusung Ham: University of Iowa; Inyong Choi: University of Iowa; Kyogu Lee: Seoul National University

P1-K-97: Learning how to learn: Evidence for an explore-exploit tradeoff in information search

Presenting author: Madeline Klotz & Emily G Liquin

Madeline Klotz: University of New Hampshire; Emily G Liquin: University of New Hampshire

P1-K-99: Changes in cognitive effort across infancy and early childhood

Presenting author: Francesco Poli

Manon A. Krol: Donders Institute; Olesia Moiseenko: Donders Institute; Anna C. Praat: Donders Institute; Jessica Ramos-Sanchez: Donders Institute; Sabine Hunnius: Donders Institute; Marlene Meyer: Donders Institute; Francesco Poli: University of Cambridge

P1-K-100: Cross-Cultural Emotion Concept Representation: A Comparison of English, Korean, and Large Language Model Representations

Presenting author: Mijin Kwon

Mijin Kwon: Dartmouth College; Sean Dae Houlihan: Dartmouth College; Jonathan Phillips: Dartmouth College

P1-L-101: Solving strategic social coordination via Bayesian learning

Presenting author: Amrita Lamba

Amrita Lamba: Massachusetts Institute of Technology; Sean Dae Houlihan: Dartmouth College; Rebecca Saxe: Massachusetts Institute of Technology

P1-L-102: Disposition or Disruption: How do young learners explain inconsistent causal evidence?

Presenting author: Elizabeth Lapidow

Elizabeth Lapidow: University of Waterloo; Stephanie Denison: University of Waterloo

P1-L-103: Cognitive and neural mechanisms of spatial learning and transfer in adults

Presenting author: Marissa Laws

Marissa Laws: Carnegie Mellon University; Jessica Cantlon: Carnegie Mellon

P1-L-104: Few-Shot Learning of Visual Compositional Concepts through Probabilistic Schema Induction

Presenting author: Andrew Jun Lee

Andrew Jun Lee: University of California, Los Angeles; Taylor Webb: Microsoft Research; Trevor Bihl: Air Force Research Laboratory; Keith Holyoak: University of California, Los Angeles; Hongjing Lu: UCLA

P1-L-105: Learning Hidden Causal Factors from Psychometrics Data Using Distributional Information

Presenting author: Roberto Legaspi

Roberto Legaspi: KDDI Research, Inc.; Xinshuai Dong: Carnegie Mellon University; Donghuo Zeng: KDDI Research, Inc.; Yuewen Sun: MBZUAI; Kazushi Ikeda: KDDI Research, Inc.; Peter Spirtes: Carnegie Mellon University; Kun Zhang: Carnegie Mellon University

P1-L-106: Eyetracking measures of performance on the Traveling Salesperson Problem

Presenting author: Kanan Levy

Kanan Levy: University of San Diego; Riya Majmudar: University of San Diego; Isabella Paganini: University of San Diego; Rachel Blaser: University of San Diego



P1-L-107: Can input statistics over-ride a prior bias in morpheme ordering? A test case with gender and number

Presenting author: Chunan Li

Chunan Li: University of Chicago; Carmen Saldana: Pompeu Fabra University; Jennifer Culbertson: University of Edinburgh

P1-L-108: How Small Belief Shifts and Trusted Voices Alter Polarized Minds

Presenting author: Gracielle Li

Gracielle Mae Ann L Li: Princeton University

P1-L-109: The Importance of Metacognitive Sensitivity in Human-AI Decision-Making

Presenting author: ZhaoBin Li

ZhaoBin Li: University of California, Irvine; Mark Steyvers: University of California, Irvine

P1-L-110: Mental Sampling in Social Judgment: Examining Variability in Judgments for the Self, Close, and Distant Others

Presenting author: Tingyue (Anita) Li

Tingyue Li: Arizona State University; Derek Powell: Arizona State University

P1-L-112: The Development of Decision Making: The Role of Objective Uncertainty and Perceptual Novelty

Presenting author: Yanxi Liao

Yanxi Liao: The Ohio State University; Mengcun Gao: The Ohio State University; Vladimir Sloutsky: The Ohio State University

P1-L-113: Priming Effects on Verbal Analogy Performance Across IQ Levels in Humans and AI

Presenting author: Quinn Yijing Lin

Quinn Yijing Lin: Technical University of Darmstadt; Angela J Yu: Technical University of Darmstadt

P1-L-114: Sketching with generative AI: verbal but not visual inspiration mitigates cognitive fixations

Presenting author: Yaxin Liu

Yaxin Liu: Georgetown University; Maxwell S Kay: Georgetown University; Adam Green: Georgetown University; Roger Beaty: Pennsylvania State University

P1-L-115: Benchmarking LLMs for Mimicking Child-Caregiver Language in Interaction

Presenting author: Jing Liu

Jing Liu: ENS; Abdellah Fourtassi: Aix-Marseille University

P1-L-116: STERIONET: A Network Approach for Stereotype Change

Presenting author: Qiawen Liu

Qiawen Liu: University of Wisconsin-Madison; Gary Lupyan: University of Wisconsin - Madison; Xuechunzi Bai: The University of Chicago

P1-L-117: Studying Cross-linguistic Structural Transfer in Second Language Learning

Presenting author: Zoey Liu

Zoey Liu: University of Florida; Wenshuo Qin: Johns Hopkins University; Haiyin Yang: University of Florida; Joshua K Hartshorne: MGH Institute of Health Professions

P1-L-118: Preliminary Evidence that Infants and Children Use Accents to Inform Relational Expectations

Presenting author: Denisse Lopez Flores

Denisse Lopez Flores: Harvard University; Christina Steele: Harvard University; Dhanishtha Upadhyay: Harvard University; Paola Lee-Vega: Harvard University; Ashley J Thomas: Harvard University

P1-L-119: Reconceptualizing Autoegetic Consciousness

Presenting author: Dezhi Luo

Dezhi Luo: University of Michigan; Zhaoting Liu: Zhejiang gongshang university

P1-L-120: The Logic of Bias: Using Cognitive Architecture to Explore Interactions Between Cognitive Abilities and Decision Error

Presenting author: Alexander Lutsevich

Alexander Lutsevich: Rensselaer Polytechnic Institute; Stanley Dunn: Rensselaer Polytechnic Institute; James Hendler: RPI

P1-M-121: Can Large Language Models Predict Associations Among Human Attitudes?

Presenting author: Ana Yutong Ma

Ana Yutong Ma: Arizona State University ; Derek Powell: Arizona State University

P1-M-122: Minding the Politeness Gap in Cross-cultural Communication

Presenting author: Yuka Machino

Yuka Machino: Massachusetts Institute of Technology; Max Siegel: MIT; Matthias Hofer: MIT; Joshua B. Tenenbaum: MIT; Robert Hawkins: Stanford University

P1-M-124: Adaptive Attention and Memory in Multi-Option Multi-Feature Decision Making

Presenting author: Hoshmand Malaie

Hoshmand Malaie: University of California, Merced; Rebecca Sullivan: University of California, Merced; David C. Noelle: University of California, Merced

P1-M-125: Function shapes form: Compositionality emerges from communicative needs, not environmental structure alone

Presenting author: Jess Mankewitz

Jess Mankewitz: University of Wisconsin-Madison; Robert Hawkins: Stanford University



P1-M-126: Self-verification and the perceived reliability of uncertain feedback sources

Presenting author: **Doug Markant**

Doug Markant: University of North Carolina at Charlotte

P1-M-127: What is addiction? Substance-specific biases in human beliefs and LLMs

Presenting author: **Maria Martin Lopez**

Maria Martin Lopez: University of California, Berkeley; **Keanan Joyner:** University of California, Berkeley; **Bill Thompson:** University of California, Berkeley

P1-M-128: Improving Category Learning through Graded Classification

Presenting author: **Mercury Mason**

Mercury K Mason: Binghamton University; **Kenneth Kurtz:** Binghamton University

P1-M-129: To Be Right or To Belong – Prediction & Reward in Social Conformity

Presenting author: **Garrett Mauter**

Garrett Mauter: University of California, Irvine; **Mimi Liljeholm:** University of California, Irvine

P1-M-130: Non-linear relational composition in large language models

Presenting author: **Anna Leshinskaya**

Michael B McCoy: UC Irvine; **Taylor Webb:** Microsoft Research; **Anna Leshinskaya:** UC Irvine

P1-M-131: Happy Faces, Faster Stops: The Cognitive Benefits of Dance in Emotional Contexts

Presenting author: **Stuti Mehta**

Stuti Mehta: Indian Institute of Technology, Bombay; **Rashmi Gupta:** Indian Institute of Technology, Bombay

P1-M-132: Cognition in Action: The relation between physical and mental paper folding in young children

Presenting author: **David Menendez**

David Menendez: University of California, Santa Cruz; **Samuel Halama:** University of Wisconsin-Madison; **Taylor M Johnson:** University of Wisconsin - Madison; **Karl Rosengren:** University of Rochester

P1-M-133: Dimensions of Identity-Representing Belief

Presenting author: **Martin Meyer**

Martin Meyer: Yale University; **Joshua Knobe:** Yale University

P1-M-134: A Modular Framework for Analyzing Theory of Mind Learning in Competitive Tasks

Presenting author: **Joel Michelson**

Joel Michelson: Vanderbilt University; **Deepayan Sanyal:** Vanderbilt University; **Maithilee Kunda:** Vanderbilt University

P1-M-135: How Well Do People Perform on Novel Logic Puzzles Requiring Higher-Order Theory of Mind?

Presenting author: **Jakob Dirk Top**

Andreea Minculescu: TU Delft; **Jakob Dirk Top:** University of Groningen; **Rineke Verbrugge:** University of Groningen; **Harmen de Weerd:** Bernoulli Institute for Mathematics, Computer Science and Artificial Intelligence

P1-M-136: Equal > Equals: Labels Affect How Math Symbols Are Interpreted

Presenting authors: **Amy Miyahara, Claire Guang**

Amy L Miyahara: University of Notre Dame; **Claire Guang:** University of Chicago; **Emma Saylor:** University of Notre Dame; **Sarah Ochocki:** University of Notre Dame; **Shaker Erbin:** University of Notre Dame; **Ellyn Jarrell:** University of Notre Dame; **Nicole M McNeil:** University of Notre Dame

P1-M-137: Investigating Mental Simulation and Mental Imagery Using Sentence-Picture Verification

Presenting author: **Elaine Mooney**

Elaine C Mooney: University of Memphis; **David Heath:** University of Memphis; **Stephanie Huet:** University of Memphis

P1-M-138: Using transfer learning to identify a neural system's algorithm

Presenting author: **John Morrison**

John Morrison: Barnard College, Columbia University; **Benjamin Peters:** University of Edinburgh; **Nikolaus Kriegeskorte:** Columbia University

P1-M-139: GPT-4o Lacks Core Features of Theory of Mind

Presenting author: **John Muchovej**

John Muchovej: Yale University; **Amanda L Royka:** Yale University; **Shane Lee:** Yale University; **Julian Jara-Ettinger:** Yale University

P1-M-140: A Shared Spatial Mental Representation System for Navigation and Reasoning

Presenting author: **Mitchell Munns**

Mitchell Eric Munns: University of California, Santa Barbara; **Mary Hegarty:** University of California, Santa Barbara

P1-N-141: How surprising is “1% for winning 1000yen”: information-theoretic analysis of the search for the definitive prediction principle

Presenting author: **Kuninori Nakamura**

Kuninori Nakamura: Faculty of Social Innovation Seijo

P1-N-142: Political Polarization and Fractionalisation from Rational Values-Based Inference in an Agent-Based Graph Network

Presenting author: **Nicolas Navarre**

Nicolas Navarre: University of Edinburgh; **Julie Maria Ejby Pedersen:** University of Edinburgh; **Adam Moore:** University of Edinburgh



P1-N-143: Gestural Relativity of Spatial Cognition: Speakers' co-speech gestures shape listeners' spatial frame of reference

Presenting author: **Shervin Nosrati**

Shervin Nosrati: University of California, Merced; **Tyler Marghetis:** University of California, Merced

P1-N-144: Describing and remembering complex motion events in 'real-world' videos

Presenting author: **Pavla Novakova**

Pavla Novakova: University of East Anglia; **Kenny R Coventry:** University of East Anglia

P1-O-145: Reverse-Engineering an Intuitive Psychology of Power

Presenting author: **Junior Okoroafor**

Junior Chinomso Okoroafor: MIT; **Rebecca Saxe:** MIT; **Joshua B. Tenenbaum:** MIT; **Max Kleiman-Weiner:** University of Washington

P1-O-146: How Gain- and Loss-Framed Incentives Affect Water Usage Behavior

Presenting author: **Yutaro Onuki**

Yutaro Onuki: Seijo University; **Yurina Otaki:** Hitotsubashi University

P1-O-147: Picture Book Features Influence the Use of Complex Modifiers During Shared Number Book Reading

Presenting author: **Chineme Jane Otuonye**

Chineme Jane Otuonye: University of Notre Dame ; **Amy L Miyahara:** University of Notre Dame; **Kathleen Eberhard:** University of Notre Dame; **Nicole M McNeil:** University of Notre Dame

P1-O-148: The Persistent Concrete Bias in Monkeys

Presenting author: **Teoman S. Ozaydin**

Teoman Ozaydin: Carnegie Mellon

P1-O-149: Asymmetries in the Production of Regular and Irregular Verbs

Presenting author: **Junko Kanero**

Tuba Pelin Öztürk: Sabancı University; **Cansu Özden:** Sabancı University; **Göksu Gamlı:** Boğaziçi University; **Junko Kanero:** Sabancı University

P1-P-150: Do Large Language Models Recognize and Utilize Non-Mandated Pragmatic Enrichments?

Presenting author: **Dingyi Pan**

Dingyi Pan: UC San Diego; **Andrew Kehler:** UC San Diego

P1-P-151: Recovering belief structures using a language model on a naturalistic dataset of attitude change

Presenting author: **Trisevgeni Papakonstantinou**

Trisevgeni Papakonstantinou: University College London; **Antonina Zhiteneva:** University of Oxford; **Ana Yutong Ma:** Arizona State University; **Derek Powell:** Arizona State University; **Zachary Horne:** University of Edinburgh

P1-P-153: Investigating the Role of Sensorimotor Dominance in Semantic Feature Listings: When I Say Dog, Will You Say Tail?

Presenting author: **Avery Pattullo**

Avery Pattullo: Temple University; **Ana Matić Škorić:** University of Zagreb; **Luca M Scott:** Temple University; **Erin M. Buchanan:** Harrisburg University; **Jamie Reilly:** Temple University

P1-P-154: Examining the Relationship Between Joint Attention and Word Recall in Preschool-Aged Children

Presenting author: **Elizabeth Perkovich**

Elizabeth Perkovich: University of Houston; **Hanako Yoshida:** University of Houston

P1-P-155: Learning From 'What Might Have Been': A Bayesian Model of Learning from Regret

Presenting author: **Kate Petrova**

Kate Petrova: Stanford University; **James J. Gross:** Stanford University; **Tobias Gerstenberg:** Stanford University

P1-P-156: Dissecting the Ullman Variations with a SCALPEL: Why do LLMs fail at Trivial Alterations to the False Belief Task?

Presenting author: **Zhiqiang Pi**

Zhiqiang Pi: Northwestern University; **Annapurna Vadaparty:** UC San Diego; **Benjamin Bergen:** UC San Diego; **Cameron R Jones:** UC San Diego

P1-P-157: How Altruistic Motivation Synchronizes Brain-Muscle Coherence to Enhance Motor Performance

Presenting author: **Osmar Pinto Neto**

Tatiana Okubo Rocha Pinho: California State University San Marcos; **Pedro Augusto Pereira:** Anhembi Morumbi; **Osmar Pinto Neto:** California State University San Marcos

P1-P-158: Higher perceptual attention cost slows contingency learning after a modality shift

Presenting author: **Benjamin Ultan Cowley**

Natalia Postnova: University of Helsinki; **Nelson Totah:** University of Helsinki ; **Benjamin Ultan Cowley:** University of Helsinki

P1-P-159: Testing counterintuitive predictions about cost-based inferences in learning from the Rational Speech Act model

Presenting author: **Ponrawee Prasertsom**

Ponrawee Prasertsom: University of Edinburgh; **Kenny Smith:** University of Edinburgh; **Jennifer Culbertson:** University of Edinburgh

P1-Q-160: What You Ask Affects What You Get: Task-Dependent ERPs in the Processing of Syntactically Ambiguous Sentences

Presenting author: **Zhiying Qian**

Zhiying Qian: Florida State University



P1-Q-161: Dual-Branch EEG Decoding Method for Collaborative Multi-Brain Motor Imagery

Presenting authors: Jiaxuan Qin; Li Zhu

Jiaxuan Qin: Hangzhou Dianzi University; **Li Zhu:** Hangzhou Dianzi University; **Jiangxu Wu:** Hangzhou Dianzi University; **Jinda Liao:** Hangzhou Dianzi University; **Wanzeng Kong:** Hangzhou Dianzi University

P1-Q-162: Cross-Linguistic Similarities and Differences in People's Understanding of the Structure of Number Words

Presenting author: Kexin Que

Kexin Que: Northwestern University; **Lance Rips:** Northwestern University

P1-R-163: Self-other blurring: self-referential facial dynamics representation

Presenting author: Inbal Ravreby

Inbal Ravreby: Cornell

P1-R-164: A Computational Cognitive Model for Processing Repetitions of Hierarchical Relations

Presenting author: Zeng Ren

Zeng Ren: École Polytechnique Fédérale de Lausanne; **Xinyi Guan:** École Polytechnique Fédérale de Lausanne; **Martin Alois Rohrmeier:** École Polytechnique Fédérale de Lausanne

P1-R-165: Reconciling Different Theories of Learning With an Agent-based Model of Procedural Learning

Presenting author: Sina Rismanchian

Sina Rismanchian: University of California, Irvine; **Shayan Doroudi:** University of California, Irvine

P1-R-166: Modality-Specific Mental Imagery Abilities are Unrelated to Modality-Specific Category Learning

Presenting author: Casey L. Roark

Casey L Roark: University of New Hampshire; **Hooman Amiri:** University of New Hampshire; **Stephanie Dodson:** University of New Hampshire; **Hedieh Nejatmand Nejatmand Malari:** University of New Hampshire

P1-R-167: A Preliminary Investigation of Spatial Ability and Spatial Anxiety in Prosthetics and Orthotics Students

Presenting author: Danielle Rothschild Doyle

Danielle Rothschild Doyle: Northwestern University; **Kiley McKee:** Northwestern University; **Mackenzie Drummond:** Northwestern University; **Michael Cavanaugh:** Northwestern University; **Mindy Thorpe:** Northwestern University; **Reed Stevens:** Northwestern University; **David Uttal:** Northwestern University

P1-R-168: Efficient Audience Design in LLMs

Presenting author: Rachel Ryskin

Rachel Ryskin: University of California, Merced; **Olivia Gawel:** UC Merced; **Owen Tanzer:** UC Merced; **Vinicius Pailo:** University of California, Merced; **Christopher Kello:** University of California Merced

P1-S-169: Association between cognitive reserve and spatial ability across the lifespan

Presenting author: Syrine Salouhou

Syrine Salouhou: CNRS, INSA Lyon, Université Claude Bernard Lyon 1; **Victor Gilles:** Hôpital des Charpennes, Université Claude Bernard Lyon 1, Hospices Civils de Lyon; **Rémi Vallée:** CNRS, INSA Lyon, Université Claude Bernard Lyon 1; **Eloïa Camussi:** CNRS, INSA Lyon, Université Claude Bernard Lyon 1; **Romain Vuillemot:** Ecole Centrale de Lyon, CNRS, INSA Lyon, Université Claude Bernard Lyon 1; **Antoine Garnier-Crussard:** Hôpital des Charpennes, Université Claude Bernard Lyon 1, Hospices Civils de Lyon; **Antoine Coutrot:** CNRS, INSA Lyon, Université Claude Bernard Lyon 1

P1-S-170: How Communicative Pressure Shapes Social Networks: An Agent-Based Model of Language-Network Co-Evolution using the Naming Game

Presenting author: Amirhossein Sarkaboudi

Amirhossein Sarkaboudi: Arizona State University; **James Benjamin Falandays:** Arizona State University

P1-S-171: Bayesian Model of Goal Direction Inference in Animacy Perception from Moving Dots

Presenting author: Keisuke Sato

Keisuke Sato: The University of Tokyo; **Kazuhiro Ueda:** The University of Tokyo

P1-S-172: Cross-linguistic transfer of informativeness biases in the kinship domain

Presenting author: Nina Schoener

Nina Schoener: UC Berkeley; **Marina Ortega Andrés:** University of the Basque Country; **Mahesh Srinivasan:** UC Berkeley

P1-S-173: Listening-Related Fatigue and Cognitive Effort in Deaf and Hard-of-Hearing Bilinguals

Presenting author: Zed Sehyr

Zed Sehyr: Chapman University; **Michaela Kihntopf:** Rochester Institute of Technology/ National Technical Institute for the Deaf; **Sarah E Hughes:** University of Birmingham; **Rain G Bosworth:** Rochester Institute of Technology

P1-S-174: How and when do generic language and structural explanations shape essentialist beliefs about social categories?

Presenting author: Amalia K. Shapira

Amalia K Shapira: Reed College; **Kati Wolcott:** Reed College; **Stephen Flusberg:** Vassar College; **Kevin J. Holmes:** Reed College

P1-S-175: The Moral Costs of Growth Mindset: Blaming People for Their Intellectual Struggles

Presenting author: Cheng-Kai Sheu

Cheng-Kai Sheu: Yale University; **Woo-kyoung Ahn:** Yale University



P1-S-176: *Visual Processing of Arabic-English Code-Switching: An Eye-Tracking Analysis*

Presenting authors: **Tommi Leung**

Ji Young Shim: American University of Sharjah; **Tommi Leung:** United Arab Emirates University; **Hyosik Kim:** Jeonju University

P1-S-177: *“There Is No Such Thing as a Dumb Question,” But There Are Good Ones*

Presenting author: **Minjung Shin**

Minjung Shin: Seoul National University; **Donghyun Kim:** Korea Advanced Institute for Science and Technology (KAIST); **Jeh-Kwang Ryu:** Dongguk University

P1-S-178: *Reading at-a-glance is hindered by agreement: A parallel reading study in Spanish*

Presenting author: **Subhekshya Shrestha**

Subhekshya Shrestha: University of California Santa Cruz; **Dustin Chacon:** University of California Santa Cruz

P1-S-179: *Generative AI-Assisted Clinical Interviewing of Mental Health*

Presenting author: **Sverker Sikström**

Sverker Sikstrom: Lund University

P1-S-180: *Spatial separation impedes encoding of the whole*

Presenting author: **Amritpal Singh**

Amritpal Singh: Rutgers University, New Brunswick; **Paige Dadika:** Rutgers University; **Jake Quilty-Dunn:** Rutgers University; **Michelle A Hurst:** Rutgers University, New Brunswick

P1-S-181: *Relations between number-knowledge and causal reasoning about number in young children: A preliminary investigation*

Presenting author: **David Sobel**

David M. Sobel: Brown University

P1-S-182: *Developmental Trajectories of Working Memory Updating from Early Childhood to Adolescence: A Meta-Analysis*

Presenting author: **Ye Song**

Ye Song: The Hong Kong University of Science and Technology; **Chen Cheng:** The Hong Kong University of Science and Technology

P1-S-183: *Seventeen Times Six Equals Eleven-Twelve: A Multi-Level Analysis of a Conversation with Donald Trump*

Presenting author: **Michael James Spivey**

Michael Spivey: UC Merced; **Gary Lupyan:** University of Wisconsin - Madison; **Raymond Gibbs:** Independent Scholar; **Michael Tanenhaus:** University of Rochester; **Seana Coulson:** UC San Diego

P1-S-184: *Individual Differences in the Tendency to Use Multiword Information in Natural and Artificial Languages*

Presenting author: **Dan Steinhof**

Dan Steinhof: Hebrew University of Jerusalem; **Noam Siegelman:** Hebrew University of Jerusalem; **Inbal Arnon:** Hebrew University

P1-S-185: *A Cognitive Framework for Timely AI Communication*

Presenting author: **Lukas Mayer**

Mark Steyvers: University of California, Irvine; **Lukas Mayer:** University of California, Irvine; **jackie Ayoub:** Honda Research Institute, USA

P1-S-186: *Symbolic numerical generalization through representational alignment*

Presenting author: **Anthony Strock**

Anthony Strock: Stanford University; **Ruizhe Liu:** Stanford University; **Rishab S Iyer:** Princeton University; **Percy Mistry:** Stanford University; **Vinod Menon:** Stanford University

P1-S-187: *Integration of Language and Experience via the Instructed Bandit Task*

Presenting author: **Ellen Su**

Ellen Su: New York University ; **Mark K Ho:** New York University; **Todd M Gureckis:** New York University

P1-S-188: *Leveraging Machine Learning and Wearable Cameras to Analyze Children’s Social Interactions*

Presenting author: **Nele-Pauline Suffo**

Nele-Pauline Suffo: Leuphana University; **Pierre-Etienne Martin:** Max Planck Institute for Evolutionary Anthropology; **Anam Zahra:** Max Planck Institute for Evolutionary Anthropology; **Daniel Benjamin Moritz Haun:** Max Planck Institute for Evolutionary Anthropology; **Manuel Bohn:** Max Planck Institute for Evolutionary Anthropology

P1-S-189: *Probing Perceptual Constancy in Large Vision Language Models*

Presenting author: **Dezhi Luo**

Haoran Sun: Johns Hopkins University; **Suyang Yu:** University of Washington; **Yijiang Li:** Electrical and computer engineering; **Qingying Gao:** Computer Science; **Haiyun Lyu:** University of North Carolina at Chapel Hill; **Hokin Deng:** Harvard University; **Dezhi Luo:** University of Michigan

P1-T-190: *Bilinguals exhibit semantic convergence while maintaining near-optimal efficiency*

Presenting authors: **Maya Taliaferro** and **Nathaniel Imel**

Maya Taliaferro: New York University; **Nathaniel Imel:** New York University; **Esti Blanco-Elorrieta:** New York University; **Noga Zaslavsky:** NYU

P1-T-191: *Gesture Use Contributes to Autobiographical Remembering*

Presenting author: **Selma Berfin Tanis**

Selma Berfin Tanis: Sabanci University; **Yagmur Damla Senturk:** Sabanci University; **İbrahim Akkan:** Koç University; **Tilbe Gökşun:** Koç University; **Cagla Aydin:** Sabanci University

P1-T-192: *Reasoning within and between collective action problems*

Presenting author: **Ofer Tchernichovski**

Ofer Tchernichovski: Hunter College; **Seth Frey:** UC Davis; **Dalton C Conley:** Princeton University; **Nori Jacoby:** Cornell University



P1-T-193: *The Remote Infant Studies of Early Learning (RISE) Battery - A scalable assessment of cognitive development in infancy*

Presenting authors: **Michael C. Frank** and **J. Kiley Hamlin**
Elena Tenenbaum: Duke University Medical Center; **Miranda Harris**: Duke University Medical Center; **My Vu**: Children's Hospital of Los Angeles; **Ashleigh Waterman**: Duke University; **Caitlin Stone**: University of North Carolina at Greensboro; **Casey Lew-Williams**: Princeton University; **Kiley Hamlin**: University of British Columbia; **Sudha Arunachalam**: New York University; **Melissa Kline**: MIT; **Elika Bergelson**: Duke University; **Michael C. Frank**: Stanford University; **Melissa Libertus**: University of Pittsburgh; **Jordan Grapel**: Duke University; **Stephen J Sheinkopf**: University of Missouri; **Jennifer Wagner**: CUNY College of Staten Island; **Rebecca Landa**: Kennedy Krieger Institute; **Julie Markant**: Tulane University; **Shafali Jeste**: Children's Hospital of Los Angeles; **Elizabeth Spelke**: Harvard University

P1-T-194: *When Walls Talk: People Make Social Inferences From Towns' Protective Features*

Presenting author: **Amy Nguyễn**
Rodney Tompkins: University of California, San Diego; **Amy Nguyen**: University of California, San Diego; **Adena Schachner**: University of California, San Diego

P1-T-195: *Spacing Meets Cross-Situational Word Learning: How the Temporal Structure of Labeling Events Affects Word Learning*

Presenting author: **Yi Tong**
Yi Tong: University of Wisconsin-Madison; **Melina Lauryn Knabe**: University of Texas at Austin; **Haley Vlach**: University of Wisconsin-Madison

P1-T-196: *Neural Representations of Social Interactivity: A Perceptual and Language Model Analysis*

Presenting author: **Sajjad Torabian**
Sajjad Torabian: University of California Irvine; **John A. Pyles**: University of Washington; **Hongjing Lu**: UCLA; **Emily D Grossman**: University of California Irvine

P1-T-197: *Language Shapes Blame and Victimhood in Bilinguals' Autobiographical Memory*

Presenting author: **Alexia Toskos Dils**
Alexia Toskos Dils: Purchase College, SUNY

P1-T-198: *From Infants to AI: Incorporating Infant-like Learning in Models Boosts Efficiency and Generalization in Learning Social Prediction Tasks*

Presenting author: **Shify Treger**
Shify Treger: Weizmann Institute of Science; **Shimon Ullman**: Weizmann Institute of Science

P1-T-199: *Where Responsibility Lies in Human-AI decision making: The Role of Knowledge and Importance*

Presenting author: **Takahiro Tsumura**
Takahiro Tsumura: Toyo University; **Seiji Yamada**: National Institute of Informatics

P1-T-200: *Copilots for Cognitive Linguists 2025*

Presenting author: **Tiago Torrent & Mark Turner**
Mark Turner: Case Western Reserve University; **Tiago Torrent**: Federal University of Juiz de Fora

P1-V-201: *The representational space of symbolic numbers: from integers to fractions*

Presenting authors: **Daniela Filipa** and **Codinha Valério**
Daniela Valerio: Université Paris-Saclay, Collège de France, CEA; **Samuel Debray**: Université Paris-Saclay; **Alireza Karami**: NeuroSpin; **Maxime Cauté**: INSERM / CEA; **Stanislas Dehaene**: NeuroSpin Center, CEA DRF/I2BM, INSERM, Université Paris-Sud, Université Paris-Saclay

P1-V-202: *Contextual restriction and faultless disagreement about generics across development*

Presenting author: **Ny Vasil**
Ny Vasil: California State University East Bay; **Gaia Campos**: California State University, East Bay; **Bahar Rouzbehani**: CSUEB; **Alejandro Curiel**: California State University East Bay; **Jason Caoile**: California State University - East Bay; **suren Khurelkhuu**: California State University East Bay; **Katherine Ritchie**: University of California, Irvine

P1-V-203: *Interaction of generalised aversive beliefs and avoidance behaviour*

Presenting author: **Luianta Verra**
Luianta Verra: Max Planck Institute for Human Development; **Toby Wise**: King's College London; **Ondrej Zika**: Max Planck Institute for Human Development; **Nicolas Schuck**: Universität Hamburg

P1-V-204: *When unpredictable does not mean difficult to process*

Presenting author: **Jacob Hoover Vigly**
Jacob Hoover Vigly: Massachusetts Institute of Technology; **Peng Qian**: Harvard University; **Morgan Sonderegger**: McGill University; **Timothy O'Donnell**: McGill University

P1-V-205: *Behavioral Evidence is Still Insufficient to Identify Consciousness*

Presenting author: **Maria Vorobevea**
Maria Vorobevea: Carleton University; **Eilene Tomkins Flanagan**: Carleton University; **Mary Alexandria Kelly**: Carleton University

P1-W-206: *The Role of Compositionality in Children's Creating Representations of Large Exact Numbers: A Case Study of the Number Five*

Presenting author: **Yiqiao Wang**
Yiqiao Wang: Harvard University; **Susan Carey**: Harvard University; **Elizabeth Spelke**: Harvard University

P1-W-207: *From pixels to physics: an image-computable model of physical predictions*

Presenting author: **Haoliang Wang**
Haoliang Wang: MIT; **Nishad Gothoskar**: MIT; **Joshua B. Tenenbaum**: MIT; **Kevin A Smith**: Massachusetts Institute of Technology



P1-W-208: *How does children's trust evolve in a repeated trust game?*

Presenting author: **Yiyan Rose Wang**

Yiyan Rose Wang: University of Michigan; **Felix Warneken:** University of Michigan

P1-W-209: *Scientists & Women Scientists: Exploring Gender Biases in Institutional Category Systems*

Presenting author: **Katie Warburton**

Katie Warburton: University of Melbourne; **Charles Kemp:** University of Melbourne; **Lea Frermann:** University of Melbourne

P1-W-210: *Decomposed Inductive Procedure Learning: Learning Academic Tasks with Human-Like Data Efficiency*

Presenting author: **Christopher MacLellan**

Daniel Weitekamp III: Georgia Institute of Technology; **Christopher MacLellan:** Georgia Institute of Technology; **Erik Harpstead:** Carnegie Mellon University; **Napol Rachatasumrit:** Carnegie Mellon University; **Kenneth R Koedinger:** Carnegie Mellon University

P1-W-211: *Units of representation: Children's perception of number in the "connectedness illusion"*

Presenting author: **Eloise West**

Eloise West: University of British Columbia; **Darko Odic:** University of British Columbia

P1-W-212: *The Uniformity Fallacy: A Second Common, Severe Misinterpretation of Bar Graphs of Averages*

Presenting author: **Jeremy B. Wilmer**

Jeremy Wilmer: Wellesley College; **Sarah Kerns:** Wellesley College

P1-W-213: *Segmentation can drive the cultural evolution of the statistical properties of language*

Presenting author: **Lucie Wolters**

Lucie Wolters: The Hebrew University of Jerusalem; **Inbal Arnon:** Hebrew University; **Simon Kirby:** The University of Edinburgh

P1-W-214: *How infants' understanding of goal-directed actions differs from a large language model*

Presenting author: **Alyson Wong**

Alyson Wong: University of California, Berkeley; **Bill Thompson:** University of California, Berkeley; **Fei Xu:** University of California, Berkeley

P1-W-215: *Language Control during Bilingual Word Production in Cantonese-English Speaking Autistic and Typically Developing Children*

Presenting author: **Ruofan Wu**

Ruofan Wu: The Hong Kong Polytechnic University; **Haoyan Ge:** Hong Kong Metropolitan University; **Xiaocong Chen:** The Hong Kong Polytechnic University; **Caicai Zhang:** The Hong Kong Polytechnic University

P1-W-216: *Beyond Emotion: Unraveling the Limited Role of Sentiment in Extended-Format Communication*

Presenting author: **Jingyi Wu**

Jingyi Wu: Zhejiang University; **Shuhao Fu:** University of California, Los Angeles; **Rick Dale:** UCLA; **Tao Gao:** University of California - Los Angeles; **Junying Liang:** Zhejiang University

P1-X-217: *A Study of Context Effect in Large Language Models*

Presenting author: **Xinjie Xie**

Xinjie Xie: Carleton College; **Jiaqi Huang:** Indiana University; **Jerome Busemeyer:** Indiana University

P1-X-218: *Human Adaptation of Learning Strategies Resembles Policy Gradients*

Presenting author: **Hua-Dong Xiong**

Hua-Dong Xiong: Georgia Institute of Technology; **JIAN LI:** University of California San Diego; **Marcelo G Mattar:** New York University; **Robert Wilson:** Georgia Tech

P1-X-219: *Wanting to be Understood: Modeling Interaction in Early Language Learning*

Presenting authors: **Qihui Xu;** **Robby Ralston**

Qihui Xu: Ohio State University; **Robert Ralston:** The Ohio State University; **Madison Meares:** The Ohio State University; **Vladimir Sloutsky:** The Ohio State University

P1-Y-220: *Learning to Plan from Actual and Counterfactual Experiences*

Presenting author: **Justin Yang**

Justin Yang: Stanford University; **Tobias Gerstenberg:** Stanford University

P1-Y-221: *When Empowerment Disempowers in Multi-Agent Assistance*

Presenting author: **Claire Yang**

Claire Y Yang: University of Washington; **Maya Cakmak:** University of Washington; **Max Kleiman-Weiner:** University of Washington

P1-Y-222: *Impact of Mask Use on Face Recognition in Children: An Eye-Tracking Study*

Presenting author: **Alice Yang**

Alice Yang: Hong Kong University of Science and Technology; **Janet Hsiao:** Hong Kong University of Science & Technology

P1-Y-223: *Adaptive Social Learning using Theory of Mind*

Presenting author: **Lance Ying**

Lance Ying: Harvard University; **Ryan Truong:** University of Texas at Austin; **Joshua B. Tenenbaum:** MIT; **Samuel Gershman:** Harvard University

P1-Y-224: *Tactile Perspective-Taking: Cognitive Process of Estimating Others' Subjective Tactile Similarity*

Presenting author: **Takumi Yokosaka**

Takumi Yokosaka: Nippon Telegraph and Telephone Corporation



P1-Y-225: Counterfactual error-monitoring in human planning

Presenting author: Doris Yu

Doris Yu: New York University ; Frederick Callaway: New York University; Marcelo G Mattar: New York University

P1-Y-226: Do you like a robot that makes mistake? Preliminary study on changing evaluations of a robot that makes mistake in collaborative task

Presenting author: Masahide Yuasa

Masahide Yuasa: Shonan Institute of Technology; Reina Miyata: Shonan Institute of Technology

P1-Y-227: The Emergence of Latent Force Representation in Human Perception of Social Interactions

Presenting author: Yiling Yun

Yiling Yun: University of California, Los Angeles (UCLA); Yi-Chia Chen: UCLA; Shuhao Fu: UCLA; Hongjing Lu: UCLA

P1-Z-228: Problem-solving Strategies in Frictional Force Problems: Evidence from Think-aloud Protocols

Presenting author: Zixin Zeng

Zixin Zeng: Northwestern University; Lance Rips: Northwestern University

P1-Z-229: The Role of Object Attention in Relational Mapping Changes Over Development

Presenting author: Yujia Zhang

Yujia Zhang: The Ohio State University; John Opfer: The Ohio State University

P1-Z-230: From Observation to Attribution: How Event Features Shape Responsibility Judgments in Real-World Traffic Videos

Presenting author: Yiyuan Zhang

Yiyuan Zhang: Boston College; Liane Young: Boston College; Stefano Anzellotti: Boston College

P1-Z-231: Polite Speech Generation in Humans and Language Models

Presenting author: Haoran Zhao

Haoran Zhao: University of Washington; Robert Hawkins: Stanford University

P1-Z-232: Resting-state EEG and Reading Skills in German-speaking Children

Presenting author: Siyi Zhao

Siyi Zhao: The Chinese University of Hong Kong; Sarah V Di Pietro: University of Zurich; Seline Coraj: University of Zurich; Christina Lutz: University of Zurich; Silvia Brem: University of Zurich; Urs Maurer: The Chinese University of Hong Kong

P1-Z-233: Scaffolding the Understanding of Scientific Analogies

Presenting author: Yinyuan Zheng

Yinyuan Zheng: Northwestern University ; Yao Xiao: Indiana University; Dedre Gentner: Northwestern University; Bryan Matlen: WestEd; Benjamin Jee: Worcester State University; Florencia Anggoro: College of the Holy Cross

P1-Z-234: Simulating variation in infant-caregiver attachment using reinforcement learning

Presenting author: Xi Jia Zhou

Xi Jia Zhou: Stanford University; Chris Doyle: Stanford University; Logan Matthew Cross: Stanford University; Michael C. Frank: Stanford University; Nick Haber: Stanford

P1-Z-235: Sparse distributed memory constraints drive representational change as a function of temporal learning sequence

Presenting author: Sharon Noh

Dale Zhou: University of California, Irvine; Sharon Mina Noh: University of California, Irvine; Keiland Cooper: University of California, Irvine; Jianle Guo: University of California, Irvine; Emily Dinh: University of California, Irvine; Aaron Bornstein: university of california, irvine

P1-Z-236: Eliciting the Priors of Large Language Models using Iterated In-Context Learning

Presenting author: Jian-Qiao Zhu

Jian-Qiao Zhu: Princeton University; Tom Griffiths: Princeton University

P1-Z-237: Triadic comparisons reveal representational motifs in human color perception.

Presenting author: Clementine Zimnicki

Clementine Zimnicki: University of Wisconsin-Madison; Timothy T Rogers: University of Wisconsin- Madison

P1-D-238: Evaluating the Efficacy of MathByExample: Preliminary Evidence

Presenting author: Jodi L. Davenport

Jodi Davenport: WestEd; Anna Bartel: WestEd; Jacklyn Powers: WestEd; Kirk Walters: WestEd; Julie L. Booth: Temple University; Allie Huyghe: Strategic Education Research Partnership

P1-K-239: Four Gifts from AI's Founders

Presenting author: Craig A. Kaplan

Craig A Kaplan: iQ Company

P1-P-240: How the Stroop Effect Arises from Optimal Response Times in Laterally Connected Self-Organizing Maps

Presenting author: Divya Prabhakaran

Divya Prabhakaran: University of Texas at Austin; Uli Grasemann: The University of Texas at Austin; Swathi Kiran: Boston University; Risto Miikkulainen: University of Texas



P1-W-241: *The Odyssey of the Fittest: Can Agents Survive and Still Be Good?*

Presenting author: Dylan Waldner

Dylan T Waldner: The University of Texas at Austin; Risto Miikkulainen: University of Texas

P1-K-242: *Investigating Humor in EEG: Pun-Based Jokes Elicit Anterior N400 and Posterior P600 Effects*

Presenting author: Prof. Dr. Markus Werning

Philipp Keim: Ruhr-University Bochum; Cara Oster: Ruhr-University Bochum; Markus Werning: Ruhr University Bochum

P1-Z-243: *Balancing Conventional Pairings and Semantic Fit: Classifier Production in Mandarin-Speaking Children*

Presenting author: Erjing Zhang

Erjing Zhang: University of California, Los Angeles; Ying Hao: Nanjing Normal University; Catherine Sandhofer: University of California, Los Angeles

P1-H-244: *Collaborative Encoding of Visual Working Memory*

Presenting author: Ham Huang

Huang Ham: Department of Psychology

P1-B-245: *Choosing to choose: Neural Mechanisms Underpinning Levels of Volition*

Presenting author: Indra M Bundil

Indra M Bundil: Cardiff University; Sabina Baltruschat: N/A; Jiaxiang Zhang: Swansea University

P1-G-246: *Investigating the Impact of Emotional Modulation on Attentional Numerical Representations in Childhood*

Presenting author: Sylvia Ulieta Gattas

Sylvia Ulieta Gattas: University of Surrey

P1-B-247: *Do speech models use phonological features?*

Presenting author: Canaan Breiss

Canaan Breiss: University of Southern California; Jon Gauthier: Massachusetts Institute of Technology

P1-W-248: *The Temporal Evolution of Implicit Bias in Perceptual Decision-Making*

Presenting author: Stephanie Wert

Stephanie Wert: UCLA; Aidan Seidle: Purdue University; Jesse Rissman: UCLA; Barbara Knowlton: UCLA

POSTER SESSION 2:

FRIDAY, AUGUST 1

P2-A-1: *Content-agnostic online segmentation as a core operation*

Presenting author: Federico Adolfi

Federico Adolfi: ESI Neuroscience, Max Planck Society; Yue Sun: Ernst Strüngmann Institute for Neuroscience; David Poeppel: New York University

P2-A-2: *The impact of engagement and partisan influence campaigns in an isolated social media environment*

Presenting author: Manikya Alister

Manikya Alister: The University of Melbourne; Keith James Ransom: University of Adelaide; Anthony Lua: The University of Melbourne; Andrew Perfors: University of Melbourne

P2-A-3: *Working a memory – Cognitive impact of chant acquisition in children*

Presenting author: Harshini J Anand

Harshini J Anand: National Institute of Advanced Studies; Dr. Deepti Navaratna: National Institute of Advanced Studies

P2-A-4: *Three Levels for Large Language Model Cognition*

Presenting author: Eleni Angelou

Eleni Angelou: CUNY

P2-A-5: *Summarization Reflects Characteristics of Memory Recall*

Presenting author: Hemali Angne

Hemali Angne: Rutgers University - New Brunswick; Snigdha Sushil Mishra: Rutgers University; Guo Lin: Rutgers; Qiong Zhang: Rutgers University - New Brunswick

P2-A-6: *Prior beliefs impair logical reasoning about syllogisms on sexual violence*

Presenting author: Ernesto Guerra

Ivan Aslanov: University of Chile; Anita Tobar-Henríquez: University of Chile; Ernesto Guerra: University of Chile

P2-B-7: *Thinking through the past, present, and future: Language convergence-entropy is influenced by when you think of and how you feel*

Presenting author: Constance M. Bainbridge

Constance Bainbridge: University of California, Los Angeles; Zachary P Rosen: University of California, Los Angeles; Rick Dale: University of California, Los Angeles

P2-B-8: *Scaling Interleaved Practice: Preliminary Evidence and Lessons Learned from a Systematic Replication*

Presenting author: Anna N. Bartel

Anna Bartel: WestEd; Abby Sims Lavine: WestEd; Drew Barrett: WestEd; Katie D'Silva: WestEd; Jodi Davenport: WestEd; Bryan Matlen: WestEd



P2-B-9: *Whole is Greater than the Sum of its Parts: Bilingualism Shapes Tolerance for Simultaneous Identities*

Presenting author: **Sharanya Bashyam**

Sharanya Bashyam: University of California, Irvine; **Nadia Chernyak:** University of California - Irvine

P2-B-10: *Do ducks lay eggs? How interactivity shapes generic generalizations.*

Presenting author: **Jacqueline Beck**

Jacqueline Beck: University of California, Irvine; **Yanting Li:** UC Irvine; **Rajeev Dutta:** University of California, Irvine; **Tiffany A. Zhu:** University of California, Irvine; **Anna Pederneschi:** University of California Irvine; **Alejandro Curiel:** California State University East Bay; **Camryn Graver-Dowd:** California State University East Bay; **Isabel N Greyson:** New York University; **Karime Ultreras-Castro:** California State University East Bay; **Katherine Ritchie:** University of California, Irvine; **Ny Vasil:** California State University East Bay

P2-B-11: *Influence of Task Complexity on Visuomotor Adaptation*

Presenting author: **Vikranth Rao Bejjanki**

Vikranth Rao Bejjanki: Hamilton College; **Elizabeth Gaillard:** Hamilton College; **Maya Taliaferro:** Hamilton College; **Jordan Taylor:** Princeton University

P2-B-12: *The effects of real-world novelty exposure on episodic memory specificity across development*

Presenting author: **Susan Benear**

Susan Benear: New York University; **Catherine Hartley:** New York University

P2-B-13: *Childhood Experiences and Parental Bonding modulates the late positive potential neural index of emotional reactivity*

Presenting author: **Paolo Bernardis**

Paolo Bernardis: University of Trieste; **Romina Angeleri:** University of Trieste; **Carola Dell'Acqua:** University of Padua; **Simone Messerotti Benvenuti:** University of Padua; **Igor Marchetti:** University of Trieste

P2-B-14: *The Uncanny Valley meets the Humorous Hill: Things are funny when they match a pattern but fall short on quality*

Presenting author: **Antara Bhattacharya**

Antara R Bhattacharya: Harvard University; **Jennifer Hu:** Harvard University; **Tomer D. Ullman:** Harvard University

P2-B-15: *SVM neural decoding of EEG for words and non-words across speakers, dialects, and genders*

Presenting author: **Alexis K. Black**

Alexis K. Black: The University of British Columbia; **Martin Oberg:** The University of British Columbia; **Seerat K Sidhu:** McGill University; **Thalia Hernandez-DePaoli:** University of British Columbia

P2-B-16: *People generate naïve theories to explain probabilistic outcomes even if their theory's predictive power is near zero*

Presenting author: **David Bosch**

David A. Bosch: New York University

P2-B-17: *Idiosyncratic but not opaque: Linguistic conventions formed in reference games are interpretable by naïve humans and vision-language models*

Presenting author: **Veronica Boyce**

Veronica Boyce: Stanford University; **Ben Prystawski:** Stanford University; **Alvin Wei Ming Tan:** Stanford University; **Michael C. Frank:** Stanford University

P2-B-18: *Who notices object repeats? Individual differences in inner experience influence repetition priming*

Presenting author: **Kira Breeden**

Kira Breeden: UW-Madison; **Gary Lupyan:** University of Wisconsin - Madison

P2-B-19: *A Graph Theory Approach to the Bidialectal Nature of English*

Presenting author: **Kevin Scott Brown**

Kevin Brown: Oregon State University; **My V. H. Nguyen:** University of Houston; **Arturo E. Hernandez:** University of Houston

P2-B-20: *Linguistic shifts and emotion regulation across languages: The case of Spanish "estar"*

Presenting author: **Daniela Buchillon-Almeida**

Daniela Buchillon-Almeida: Reed College; **Enriqueta Canseco-Gonzalez:** Reed College; **Kevin J. Holmes:** Reed College

P2-B-21: *Sentential Context is Insufficient for Perceptual Learning of Speech*

Presenting author: **Wednesday Bushong**

Wednesday Bushong: Wellesley College

P2-C-22: *When Simple Counting Fails: Young Children Understand Event Prevalence Using Proportional Reasoning*

Presenting author: **Wenqing Cao**

Wenqing Cao: University of California, Berkeley; **Fei Xu:** UC Berkeley

P2-C-23: *Adaptive Spaced Retrieval Practice in Algebra I: A Classroom-Based Study*

Presenting author: **Meng Cao**

Meng Cao: Carnegie Mellon University; **Paulo F. Carvalho:** Carnegie Mellon University



P2-C-24: *Who am I playing with? Exploring a New Model of Social Categorisation in Mentalisation*

Presenting author: **Lorenzo Cappiello**

Lorenzo Cappiello: Kings College London; **Caroline Catmur**: King's College London; **Salim Hashmi**: King's College London; **Geoff Bird**: University College London

P2-C-25: *Exploring the role of visual attention in relational reasoning across two cultures*

Presenting author: **Caren Walker**

Alexandra Carstensen: Arizona State University; **Shanthi Varshini Kuppaa**: University of California, San Diego; **Cheng Xu**: UCSD; **Yujin Jeong**: CAUdeveloplabb; **Meizi Jin**: Chung-Ang University; **Ai Nghi Diep**: Yale University; **Youngon Choi**: Chung-Ang University; **Caren M. Walker**: University of California San Diego

P2-C-26: *Musical and emotional features individually and interactively predict perceived similarity of popular songs*

Presenting author: **Riesa Cassano-Coleman**

Riesa Cassano-Coleman: University of Rochester; **Kelly Jakubowski**: Durham University; **Elise A. Piazza**: University of Rochester

P2-C-27: *Theories of Mind as Languages of Thought for Thought about Thought*

Presenting author: **Kartik Chandra**

Kartik Chandra: MIT; **Jonathan Ragan-Kelley**: MIT; **Joshua B. Tenenbaum**: MIT

P2-C-28: *Training Methods in Categorization: A Comparison of Classification and Observation on Rule Adoption and Rule Consistency*

Presenting author: **Yu-Wei Chang**

Yu-Wei Chang: Syracuse University; **Michael Kalish**: Syracuse University; **Daniel Corral**: Syracuse University

P2-C-29: *Language experience and prediction across the lifespan: evidence from diachronic fine-tuning of language models*

Presenting authors: **Alton Chao**, **Ellis Cain**

Alton Chao: University of California, Merced; **Ellis Cain**: University of California, Merced; **Rachel Ryskin**: University of California, Merced

P2-C-30: *Learning from Failure and Success: Children's Achievement Emotions and Learning Choices*

Presenting author: **Yarui Chen**

Yarui Chen: Florida State University; **Beth Phillips**: Florida State University

P2-C-31: *Bounded hypothesis testing underlying human learning of probabilistic rules*

Presenting author: **Jianbo Chen**

Jianbo Chen: Peking University; **Tianyuan Teng**: Max Planck Institute for Biological Cybernetics; **Yuxiu Shao**: Beijing Normal University; **Hang Zhang**: Peking University

P2-C-32: *Evaluating the Structure of Chunk Hierarchies in a Naturalistic Educational Task Using Gaussian Mixed Models*

Presenting author: **Peter Cheng**

Peter Cheng: University of Sussex; **Yanze Liu**: University of Sussex; **Grecia Garcia Garcia**: University of Sussex; **Gabrielle Cayton-Hodges**: Ready to Launch, Educational Consulting

P2-C-33: *Causal and Counterfactual Reasoning about Gradual and Abrupt Events*

Presenting author: **Samantha Kleinberg**

Vanessa Cheung: University College London; **Cristina Leone**: University College London; **Samantha Kleinberg**: Stevens Institute of Technology; **David Lagnado**: University College London

P2-C-34: *Visual Imagery Vividness Predicts the Complexity of Induced Hallucinations*

Presenting author: **Seana Coulson**

Ana Chkhaidze: UC San Diego; **Anastasia Kiyonaga**: UC San Diego; **Seana Coulson**: UC San Diego; **Reshanne R. Reeder**: University of Liverpool

P2-C-35: *Origins of numbers: A shared language-of-thought for arithmetic and geometry?*

Presenting author: **Lorenzo Ciccione**

Lorenzo Ciccione: Collège de France - PSL University; **Mathias Sablé-Meyer**: University College London; **Stanislas Dehaene**: NeuroSpin Center, CEA DRF/I2BM, INSERM, Université Paris-Sud, Université Paris-Saclay

P2-C-36: *Applications of transcranial Direct Current Stimulation (tDCS) for modulating the Face Inversion Effect (FIE): Reducing and Enhancing Recognition*

Presenting author: **Guangtong Wang**

Ciro Civile: University of Exeter; **Wang Guangtong**: University of Exeter

P2-C-37: *Empathy in Explanation*

Presenting author: **Katherine M. Collins**

Katherine M Collins: MIT; **Kartik Chandra**: MIT; **Jonathan Ragan-Kelley**: MIT; **Adrian Weller**: University of Cambridge; **Joshua B. Tenenbaum**: MIT

P2-C-38: *Finding motifs in mental representations of faces, places, and objects*

Presenting author: **Ivette Colón**

Y. Ivette Colón: University of Wisconsin - Madison; **Timothy T Rogers**: University of Wisconsin- Madison

P2-C-39: *What's going on? Surprising difficulties in complex relational rule discovery*

Presenting author: **Julia J. Conti**

Julia J. Conti: Carnegie Mellon University; **Kenneth R Koedinger**: Carnegie Mellon University; **Paulo F. Carvalho**: Carnegie Mellon University



P2-C-40: Linguistic and visual cues in counting and measuring

Presenting author: **Grace Coram**

Grace A Coram: Northwestern University; **Lance Rips:** Northwestern University

P2-C-41: Validating Generative Agent-Based Models of Social Norm Enforcement: From Replication to Novel Predictions

Presenting author: **Logan Cross**

Logan Matthew Cross: Stanford University; **Nick Haber:** Stanford; **Daniel Yamins:** Stanford University

P2-C-42: Evaluating Planning Through Play: Exploring the Use of Mini Games to Assess Planning Abilities

Presenting author: **Emma G. Cunningham**

Emma G. Cunningham: University of Wisconsin-Madison; **Daphne Bavelier:** University of Geneva; **C. Shawn Green:** University of Wisconsin-Madison

P2-D-43: Understand Intrinsic Motivation in Causal Learning Through Exploration

Presenting author: **Fei Dai**

Fei Dai: University of California, Berkeley; **Alison Gopnik:** University of California at Berkeley

P2-D-45: Differential Memory for Belief-Congruent versus Belief-Incongruent Arguments Cannot Explain Belief-Driven Argument Evaluation

Presenting author: **Calvin Deans-Browne**

Calvin Christopher James Lee Deans-Browne: University College London; **Pia Roth:** UCL; **Carolyn Echterbeck:** University College London; **Henrik Singmann:** UCL

P2-D-46: The Role of Insight and Analytic Learning During Concept Acquisition

Presenting author: **Maci DelFavero**

Maci DelFavero: Syracuse University; **Daniel Corral:** Syracuse University

P2-D-47: Overfitting of Explicit Strategies during Sensorimotor Learning

Presenting author: **Wei Ding**

Wei Ding: Carnegie Mellon University; **Jonathan Tsay:** Carnegie Mellon University

P2-D-48: How language shapes learning: Visual statistical learning in deaf and hearing children

Presenting author: **Jenna DiStefano**

Jenna DiStefano: University of California, Davis; **Rachel Foster:** University of California, Davis; **Yuko Munakata:** University of California, Davis; **David Corina:** University of California, Davis; **Katharine Graf Estes:** University of California, Davis

P2-D-49: What Perceptrons Might Tell Us About Our Own Abilities

Presenting author: **Shayan Doroudi**

Shayan Doroudi: University of California, Irvine

P2-D-50: Unifying inference and selection in singular causal explanation

Presenting author: **Stephanie Droop**

Stephanie Droop: University of Edinburgh; **Tadeg Quillien:** University of Edinburgh; **Neil R. Bramley:** University of Edinburgh

P2-E-51: The Maze of Creative Thinking Pathways of Traits, States, and Intelligence in Shaping Creativity

Presenting author: **Zhino Ebrahimi**

Zhino Ebrahimi: RPTU University of Kaiserslautern-Landau; **Ann-Kathrin Beck:** RPTU University of Kaiserslautern-Landau; **Kirstin Bergström:** RPTU University of Kaiserslautern-Landau; **Saskia Jaarsveld:** RPTU University of Kaiserslautern-Landau; **Thomas Lachmann:** RPTU University of Kaiserslautern-Landau

P2-E-52: Social information eases discourse processing in human listeners

Presenting author: **Steven Elmlinger**

Steven Elmlinger: Princeton; **Morten H Christiansen:** Cornell University

P2-F-53: Agency vs. Guan: The role of parental beliefs in shaping children's agency

Presenting author: **Weiwei Fan**

Weiwei Fan: Tsinghua Laboratory of Brain and Intelligence, Child Cognition Center

P2-F-54: Understanding Quantifier Scope with Large Language Models: How Many Children Climbed Trees?

Presenting author: **Yan Cong**

Shaohua Fang: Purdue University; **Yue Li:** Purdue University; **Yan Cong:** Purdue University

P2-F-55: Do children use action frequency to infer social closeness?

Presenting author: **Min Feldman**

Min Yeshara Feldman: Ohio State University; **Mack Briscoe:** Harvard University; **Ashley J Thomas:** Harvard University

P2-F-56: Ready, Set, LEGO®: Examining the effects of construction on undergraduates' 3D spatial learning using virtual and physical models

Presenting author: **Alexis Fenger**

Alexis Leandra Fenger: University of California, Riverside; **Kinnari Atit:** University of California, Riverside

P2-F-57: Metaphorical Triangulation

Presenting author: **Stephen Flusberg**

Stephen Flusberg: Vassar College



P2-F-58: Effects of jointly recalling emotions in dyads on emotional valence and arousal: A preregistered study using Light Detection and Ranging (LiDAR)

Presenting authors: **Marlene Försterling** and **George Rabadi**
Marlene Försterling: University of Oxford; **George Rabadi**: University of Michigan; **Lauren Terry**: University of Michigan; **Mohammed Islam**: University of Michigan; **Ioulia Kovelman**: University of Michigan; **Felix Warneken**: University of Michigan; **Robert Hepach**: University of Oxford

P2-F-59: Hierarchical Abstraction Enables Human-Like 3D Object Recognition in Deep Learning Models

Presenting author: **Shuhao Fu**
Shuhao Fu: UCLA; **Philip J Kellman**: University of California, Los Angeles; **Hongjing Lu**: UCLA

P2-G-60: The Role of Siblings on Infant Language Exposure in Daylong Audio Recordings

Presenting author: **Maily Galindo**
Maily Galindo: University of Illinois at Urbana Champaign; **Jessica L Montag**: University of Illinois

P2-G-61: Relations between toddlers' core metacognition and parents' metacognitive talk: an eye-tracking paradigm

Presenting author: **Marion Gardier**
Marion Gardier: University of Liège; **Marie Geurten**: Université de Liège

P2-G-62: A comparison of transposed-character effect between Chinese and Japanese speakers: Are they equally strict in processing position information of Hanzi/Kanji characters?

Presenting author: **Yaoyao Geng**
Yaoyao Geng: Hiroshima University; **Aiko Morita**: Hiroshima University

P2-G-63: Is it OK if Alexa doesn't know?: Children and adults' beliefs about smart speaker virtuous ignorance

Presenting author: **Lauren Girouard-Hallam**
Lauren Girouard-Hallam: University of Michigan; **Allison J Williams**: Boston University; **Judith Danovitch**: University of Louisville; **Kathleen Corriveau**: Boston University

P2-G-65: Communicating through Acting: The Role of Contextual Affordance in Intuitive Pantomimetic Gestural Communication

Presenting author: **Siyi Gong**
Siyi Gong: University of California, Los Angeles, Department of Communication, Los Angeles, United States; **Kaiwen Jiang**: University of California, Los Angeles; **Jessica Li**: University of California, Los Angeles, Department of Psychology, Los Angeles, United States; **Mireille Karadanaian**: University of California, Los Angeles, Department of Psychology, Los Angeles, United States; **Ziyi Meng**: University of California, Los Angeles, Department of Psychology, Los Angeles, United States; **Tao Gao**: University of California - Los Angeles

P2-G-66: Connection Between Lexical Processing and Phonological Regularity: A Comparison Between English and Turkish

Presenting author: **Darby Grachek**
Darby Grachek: University of Southern California

P2-G-67: Hearing Beyond Categories: General Adaptation to Nonnative Speech

Presenting author: **Yuting Gu**
Yuting Gu: University of California, Irvine; **Michelle Chao**: University of California, Irvine; **Xin Xie**: University of California, Irvine

P2-G-68: Computation in Context: A Comparison of Fraction Story Problems and Symbolic Arithmetic

Presenting author: **Taylor-Paige Guba**
Taylor Paige Guba: University of Delaware; **Ogochukwu Chidinso Anisiobi**: University of Delaware; **Megan Botello**: University of Delaware; **Heather Suchanec-Cooper**: University of Delaware; **Nancy I Dyson**: University of Delaware; **Nancy C Jordan**: University of Delaware

P2-G-69: Research on Urban Data Visualization Based on Big Data: Transforming Insights into Action

Presenting author: **Zhijing Li**
Jibo Guo: Guangdong University of Science and Technology; **Zhijing Li**: School of Artificial Intelligence; **Yiping Jiang**: Guangdong University of Science and Technology; **Qiuying Yu**: Guangdong University of Science and Technology

P2-G-70: Leveraging Machine Learning for Acoustic Feature Analysis in Neurodevelopmental Disorders: Insights into Emotional Profiles

Presenting author: **Selcuk Guven**
Selcuk Guven: University of Montreal; **Lydia Khellaf**: University of Montreal

P2-H-71: Visual groundedness as an organizing principle for word class: Evidence from Japanese

Presenting author: **Coleman Haley**
Coleman Haley: University of Edinburgh; **Sharon Goldwater**: University of Edinburgh

P2-H-72: Are object state changes represented during language comprehension? A non-replication and extension

Presenting author: **Channing Hambric**
Channing E Hambric: Bowdoin College; **Kevin J. Holmes**: Reed College; **Abhilasha Kumar**: Bowdoin College

P2-H-74: Large language model tokens are psychologically salient

Presenting author: **David A. Haslett**
David A. Haslett: Hong Kong University of Science and Technology; **Antoni B. Chan**: City University of Hong Kong; **Janet Hsiao**: Hong Kong University of Science & Technology



P2-H-75: Experience-driven discovery of planning strategies

Presenting author: Ruiqi He

Ruiqi He: Max Planck Institute for Intelligent Systems; Falk Lieder: University of California, Los Angeles

P2-H-76: Difference in the Cognitive Mechanism of Predictive Processing in Computer-Mediated Communication: A Comparison Study of L2 Speakers

Presenting author: Wanqing He

Wanqing Psyche He: Cornell University; Susan R. Fussell: Cornell University

P2-H-77: Written in Stone: Lay intuitions about the emergence of formal rules

Presenting author: Hannah Hok

Hannah Hok: Massachusetts Institute of Technology; Ashley J Thomas: Harvard University; Rebecca Saxe: MIT

P2-H-78: Typicality biases in interpreting unmarked sentences: an artificial language learning experiment on differential argument marking

Presenting author: Jesse Daniel Holmes

Jesse Holmes: University of Tartu; Virve-Anneli Vihman: University of Tartu

P2-H-79: A Rational Model of Dimension-reduced Human Categorization

Presenting author: Yifan Hong

Yifan Hong: Tsinghua University; Chen Wang: Tsinghua University

P2-H-80: Supporting Knowledge Transfer in Programming: Insights from K-12 Computer Science Teachers

Presenting author: Kiley McKee

Jennifer Houchins: WestEd; Kiley McKee: WestEd; Rosalind Owen: WestEd; Elysse Caballero: WestEd; Bryan Matlen: WestEd; Yvonne Kao: WestEd

P2-H-81: Neural Speech Tracking and Accents: Are You Familiar with My Accent?

Presenting authors: Shang-En Huang, Ian Martindale

Shang-En Huang: University of California, San Diego; Ian A Martindale: San Diego State University; Seana Coulson: UC San Diego

P2-H-82: Another Brick in the Wall? A Null Effect of Boundaries on Spatial Memory Judgments in a Novel, Highly Immersive, First-Person Object-Placement Task

Presenting author: Paisley Annes

Derek J. Huffman: Colby College; Paisley J Annes: Colby College; Sinan Yumurtaci: Colby College; Michael J. Starrett Ambrose: University of California, Irvine; Amrit Shakya: Colby College

P2-I-83: A Dictionary-based Quantitative Analysis of the Sound-symbolic System of Japanese Ideophones

Presenting author: Hinano Iida

Hinano Iida: Nagoya University; Ryo Hori: Nagoya University

P2-I-84: Computational Implementation of a Model of Category-Theroretic Metaphor Comprehension

Presenting author: Fumitaka Iwaki

Fumitaka Iwaki: Tokyo Denki University; Miho Fuyama: Ritsumeikan University; Hayato Saigo: Nagahama Institute of Bio-Science and Technology; Tatsuji Takahashi: Tokyo Denki University

P2-J-85: Scaffolding to Support Analogical Comparisons with Science Images

Presenting author: Benjamin D. Jee

Benjamin Jee: Worcester State University; Florencia Anggoro: College of the Holy Cross; Andja Kola: Worcester State University; Bryan Matlen: WestEd; Dedre Gentner: Northwestern University

P2-J-86: Visualizing Motion Traces Enhances Pursuit Detection in Dynamic Scenes

Presenting author: Yishu Ji

Yishu Ji: Georgia Institute of Technology; Maria Kon: U.S. Naval Research Laboratory; Andrew Lovett: US Naval Research Lab; Mark Livingston: Naval Research Laboratory; Sangeet Khemlani: Naval Research Laboratory; Yalong Yang: Georgia Institute of Technology; Cindy Xiong Bearfield: Georgia Tech

P2-J-87: Modeling Processing Speed in Developmental Language Disorder using Drift Diffusion Modeling

Presenting author: Peter J. Johnson

Peter J Johnson: CUNY Graduate Center; Christopher Donnan Gravelle: The Graduate Center, CUNY; Nicolas Zapparrata: College of Staten Island; Patricia J. Brooks: College of Staten Island and the Graduate Center, CUNY; Carol A. Miller: Penn State University

P2-J-88: Extending a Mathematical Theory of the Emergence of Knowledge from the Experience to Capture Learning Dynamics in Transformers

Presenting author: Sabrina Jones

Sabrina Jones: Stanford University; Jay McClelland: Stanford University

P2-J-89: Coherence-Based Evidence Filtering: A Computational Exploration

Presenting author: Borut Trpin

Martin Justin: Faculty of Arts, University of Maribor; Borut Trpin: University of Maribor

P2-K-90: A computational model of poetry appreciation based on a spreading activation network and the incongruity resolution theory

Presenting author: Chota Kameya

Chota Kameya: The University of Electro-Communications; Tomoki Miyamoto: The University of Electro-Communications; Akira Utsumi: The University of Electro-Communications



P2-K-91: *Experiencing Positive and Negative Emotions in L1 vs. L2*

Presenting author: **Junko Kanero**

Junko Kanero: Sabanci University; **Ayşe Nur Mart:** Sabanci University

P2-K-92: *Examining the Influence of Stress and Anxiety on Visual Working Memory and Decision-Making*

Presenting author: **Rochelle Kaper**

Rochelle Kaper: University of California-Irvine; **Alicia Ann Walf:** Rensselaer Polytechnic Institute; **Chris R. Sims:** Rensselaer Polytechnic Institute

P2-K-93: *No directional preference for grammaticalization in semantic extension game*

Presenting author: **Anna Kapron-King**

Anna Kapron-King: University of Edinburgh; **Simon Kirby:** The University of Edinburgh; **Graeme Trousdale:** University of Edinburgh; **Kenny Smith:** University of Edinburgh

P2-K-94: *Socially Situated Navigation: Social Rank and Sex Influence Spatial Navigation Strategies in Japanese Macaques*

Presenting author: **Stephan P. Kaufhold**

Stephan P. Kaufhold: University of California San Diego; **Jack Terwilliger:** University of California, San Diego; **Federico Rossano:** University of California, San Diego

P2-k-95: *Investigating implicit and explicit expectations in perceptual decision making*

Presenting author: **Ari Khoudary**

ari khoudary: University of California, Irvine; **Aaron Bornstein:** university of california, irvine; **Megan Peters:** University of California Irvine

P2-K-96: *Zero-Shot Cross-Situational Learning for Building Word-Referent Mappings*

Presenting author: **Melina L. Knabe**

Melina Lauryn Knabe: University of Texas at Austin; **Chen Yu:** University of Texas at Austin

P2-K-98: *Cognitive maps are generative programs*

Presenting author: **Cole Wyeth**

Marta Kryven: Dalhousie University; **Cole Wyeth:** University of Waterloo; **Aidan Curtis:** MIT; **Kevin Ellis:** Cornell University

P2-L-100: *Functional fixedness and cooties: Children solve insight problems faster when they learn functions from peers of a different gender*

Presenting author: **Herrissa Lamothe**

Herrissa D. Lamothe: MIT; **Karla E Perez:** MIT; **Laura Schulz:** Massachusetts Institute of Technology

P2-L-101: *Maybe She'll Say Yes: How Young Learners Acquire and Apply Knowledge about Inconsistent Causal Relationships from Different Domains*

Presenting author: **Elizabeth Lapidow**

Elizabeth Lapidow: University of Waterloo; **Stephanie Denison:** University of Waterloo

P2-L-102: *Causal Stacks: A Theoretical Framework for Recurrent and Hierarchical Counterfactual Reasoning*

Presenting author: **Dominic Le**

Dominic Le: University of Toronto

P2-L-103: *Abstraction and Optimization in Statistical Learning: A Randomized Controlled Trial of Implicit and Explicit Reading Intervention for Students with Dyslexia*

Presenting author: **Stephen Man-Kit Lee**

Stephen Man-Kit Lee: The University of Hong Kong; **Shelley Xiuli Tong:** The University of Hong Kong

P2-L-104: *A Neurosymbolic Model of Human Reasoning on the Abstraction and Reasoning Corpus*

Presenting author: **Solim LeGris**

Solim LeGris: NYU; **Brenden Lake:** NYU; **Todd M Gureckis:** New York University

P2-L-105: *No Evidence for Cost-Benefit Arbitration Between Social Learning Strategies*

Presenting author: **Ariel Levy**

Ariel Levy: Harvard University; **Xavier Roberts-Gaal:** Harvard University; **Fiery Cushman:** Harvard University

P2-L-106: *A Computational Model of Chinese Word Processing*

Presenting author: **Xingshan Li**

Xingshan Li: Institute of Psychology, Chinese Academy of Sciences

P2-L-107: *Does using LLMs in daily life help or hinder learning a second language?*

Presenting author: **Wei Li**

Wei Li: Boston College; **Andy Zhao:** Cornell University; **Adrian de Wynter:** Microsoft Research; **Si-Qing Chen:** Microsoft Research; **Paul Karimov:** Microsoft Research; **Joshua K Hartshorne:** Boston College

P2-L-108: *Evaluating Vision Language Models Through Concept Hacking*

Presenting author: **Yijiang Li**

Yijiang Li: Electrical and computer engineering; **Bingyang Wang:** Emory University; **Tianwei Zhao:** Johns Hopkins University; **Qingying Gao:** Computer Science; **Hokin Deng:** Harvard University; **Dezhi Luo:** University of Michigan



P2-L-109: Reducing Traumatic Memory Intrusions by Timing Their Re-Encoding: An Application of Computational Modeling to Mental Health

Presenting author: **Xinyue (Ariel) Li**

Xinyue Li: University of Washington; **Eva Swartz**: Pitzer College; **Frankie Reyna**: University of Washington; **Lori Zoellner**: University of Washington; **Hedderik van Rijn**: University of Groningen; **Andrea Stocco**: University of Washington

P2-L-110: A simulation-heuristics dual-process model for intuitive physics

Presenting author: **Shiqian Li**

Shiqian Li: Peking University; **Yuxi Ma**: Peking University; **Jiajun Yan**: Institute of artificial intelligence; **Bo Dai**: Beijing Institute for General Artificial Intelligence (BigAI); **Yujia Peng**: Peking University; **Chi Zhang**: Beijing Institute for General Artificial Intelligence; **Yixin Zhu**: Peking University

P2-L-111: Bayes-Adaptive Information Gathering

Presenting author: **Aly Lidayan**

Aly Lidayan: UC Berkeley; **Luigi Acerbi**: University of Helsinki

P2-L-112: Ease of Access to Information Does Not Impact Curiosity

Presenting author: **Emily G Liquin**

Emily G Liquin: University of New Hampshire

P2-L-113: Understanding the cognitive mechanisms behind groupitizing in early education

Presenting author: **Syalie Liu**

Syalie Liu: Université Paris Cité; **Lorenzo Ciccione**: CEA, INSERM, Université Paris-Saclay, NeuroSpin Center; **Cassandra Potier-Watkins**: Collège de France; **Lubineau Marie**: Université Paris Sciences & Lettres; **Stanislas Dehaene**: Collège de France

P2-L-114: Do bilinguals avoid ambiguity? An experimental study of lexical ambiguity in spoken Mandarin

Presenting author: **Yajun Liu**

Yajun Liu: University of Edinburgh; **Antonella Sorace**: University of Edinburgh; **Kenny Smith**: University of Edinburgh

P2-L-115: Intrinsic relations impair abstract rule learning

Presenting author: **Di Liu, Zyan Wang**

Di Liu: Department of Psychological and Brain Sciences, Johns Hopkins University; **Zhiyan Wang**: Department of Psychological and Brain Sciences, Johns Hopkins University; **Justiin Halberda**: Department of Psychological and Brain Sciences, Johns Hopkins University; **Kishore Kuchibhotla**: Department of Psychological and Brain Sciences, Johns Hopkins University

P2-L-116: Assessing Early Communicative Milestones in Preterm and Full-Term Children Using the Pebbles App

Presenting author: **Miriam Teresa Löffler**

Miriam Teresa Löffler: University of Zurich; **Tabea Stähli**: University of Zurich; **Lisa Wagner**: University of Zurich; **Xin Tong**: University of Virginia; **Moritz Matthäus Daum**: University of Zurich; **Giancarlo Natalucci**: Larsson-Rosenquist Foundation Center for Neurodevelopment, Growth and Nutrition of the Newborn, Department of Neonatology, University of Zurich and University Hospital Zurich

P2-L-117: What Almost Happened? Using Close-Counterfactuals to Prime a Simulation Mindset in Children

Presenting author: **Julianna Lu**

Julianna Lu: University of Toronto; **Patricia Ganea**: University of Toronto

P2-L-118: Beyond East and West: Cognitive Preferences in English, Chinese and Japanese Event Description

Presenting author: **Siyu Luo**

Siyu Luo: University of Tokyo

P2-L-119: Testing Explanations for Why Math Anxiety Predicts Poor Math Performance

Presenting author: **Ian M Lyons**

Ian Lyons: Georgetown University; **Cynthia M Fioriti**: Georgetown University; **Erika Ikeda**: Georgetown University; **Lucas Miller**: Georgetown University; **Michael Slipenky**: Georgetown University

P2-M-120: IMPROVISER: Multi-persona Co-creation System Enhances Story Creativity

Presenting author: **Yuxi Ma**

Yuxi Ma: Peking University; **Yongqian Peng**: Peking University; **Fengyuan Yang**: Peking University; **Chi Zhang**: Beijing Institute for General Artificial Intelligence; **Zixia Jia**: Beijing Institute for General Artificial Intelligence; **Zilong Zheng**: Beijing Institute for General Artificial Intelligence; **Yixin Zhu**: Peking University

P2-M-121: Model Human Learners: Computational Models to Guide Instructional Design

Presenting author: **Christopher J. MacLellan**

Christopher J. MacLellan: Georgia Institute of Technology

P2-M-122: Effects of AI Explanation Length on User Trust and Acceptance

Presenting author: **Akihiro Maehigashi**

Akihiro Maehigashi: Shizuoka University; **Seiji Yamada**: National Institute of Informatics



P2-M-123: A study on playing cards to disentangle order and magnitude in the SNARC effect

Presenting author: **Claudia Virginia Manara**

Claudia Virginia Manara: University of Trieste; **Stefano Pileggi:** Department of Life Sciences, University of Trieste; **Valter Prpic:** eCampus University; **serena mingolo:** Department of Physics, University of Calabria; **Krzysztof Cipora:** Loughborough University; **Mauro Murgia:** University of Trieste

P2-M-124: Predicting Human Choice Between Textually Described Lotteries

Presenting author: **Eyal Marantz**

Eyal Marantz: Technion - Israel Institute of Technology; **Ori Plonsky:** Technion - Israel Institute of Technology

P2-M-125: An Incremental Program Induction Model of Slow Mapping Words to Meanings

Presenting author: **Ella Markham**

Ella Markham: The University of Edinburgh; **Hugh Rabagliati:** University of Edinburgh; **Neil R. Bramley:** University of Edinburgh

P2-M-126: Perceived clusters may not explain people's judgments of approximate numerosity

Presenting author: **Vijay Marupudi**

Vijay Marupudi: Georgia Institute of Technology; **Sashank Varma:** Georgia Tech; **V. N. Vimal Rao:** University of Minnesota-Twin Cities

P2-M-127: Reading comprehension involves adding simple and composite discourse referents to a mental model

Presenting author: **Suhail Matar**

Suhail Matar: Basque Center on Cognition, Brain and Language (BCBL); **Paloma Morcillo Ortega:** Basque Center on Cognition, Brain, and Language; **Manuel Carreiras:** Basque Center on Cognition, Brain, and Language

P2-M-128: People do not engage in ad-hoc reasoning about alternative messages when interacting with a literal speaker

Presenting author: **Alexandra Mayn**

Alexandra Mayn: Saarland University; **John Duff:** Saarland University; **Natalia Bila:** Saarland University; **Vera Demberg:** Saarland University

P2-M-129: Multimodal Pragmatic Inference in Vision-Language Transformers

Presenting author: **Thomas McGee**

Thomas A. McGee: University of California, Los Angeles; **Meng Du:** UCLA; **Megan Jacob:** University of California, Los Angeles; **Idan A Blank:** University of California, Los Angeles

P2-M-130: Distinguishing Human vs. AI-Generated Texts: How Humor and Emotional Expression Shape Perceived Authorship

Presenting author: **Merylin Monaro**

Giulia Melis: University of Padova; **Polina Kabanova:** Padova University; **Patrik Pluchino:** University of Padua; **Merylin Monaro:** University of Padova

P2-M-131: Tortoise Attention Algorithm: A Novel Computational Tool for Measuring Children's Concentration

Presenting author: **Lingqin Meng**

Lingqin Meng: Tsinghua University; **Yang Gao:** Tsinghua University; **Wenjia Tan:** University of Macau; **Junhao Zhang:** Development of Psychology; **Joy Lee:** Peking University; **Hui Lin:** Youdao Netease; **Lei Shen:** Netease Youdao; **Yitao Duan:** NetEase Youdao; **Stella Christie:** Tsinghua University

P2-M-132: The Influence of Indirect Social Relationships on Human Social Navigation

Presenting author: **Ming-Cheng Miao**

Ming-Cheng Miao: East China Normal University; **Chen Zhou:** University of Glasgow; **Shuye Chen:** East China Normal University; **Qi Chang:** School of Psychology and Cognitive Science; **Yihe Gu:** School of Psychology and Cognitive Science; **Shuguang Kuai:** East China Normal University

P2-M-133: A Normative Account of Specialization: How Task and Environment Shape Role Differentiation in Collaboration

Presenting author: **Elizabeth Mieczkowski**

Elizabeth Mieczkowski: Princeton University; **ruaridh mon-williams:** Edinburgh University; **Neil R. Bramley:** University of Edinburgh; **Christopher Guy Lucas:** University of Edinburgh; **Natalia A Vélez:** Princeton University; **Tom Griffiths:** Princeton University

P2-M-134: The Generalized Lotka-Volterra Interactive Activation Model of Word Recognition

Presenting author: **Jonathan Mitchell**

Jonathan Mitchell: Oregon State University; **Kevin Brown:** Oregon State University; **James Magnuson:** University of Connecticut; **Thomas Hannagan:** Collège de France

P2-M-135: Context-dependency in marmoset gaze-following

Presenting author: **Oviya Mohan**

Oviya Mohan: University of Rochester; **Jude Mitchell:** University of Rochester; **Dora Biro:** University of Rochester

P2-M-136: Crossmodal Processing Effects Through an Eye Tracking Lens

Presenting author: **Cameron Jenkins**

Shae Moore: Ohio State University; **Lydia Painter:** The Ohio State University Newark; **Cameron Jenkins:** Ohio State University Newark; **Susan Geffen:** Occidental College; **Chris Robinson:** The Ohio State University

P2-M-137: Spontaneous small ratio production in perceptual comparison task

Presenting author: **Dr Nicola J Morton**

Nicola J Morton: University of Canterbury; **Dr Anna J Wilson:** University of Canterbury; **Dr Simon Kemp:** University of Canterbury; **Randolph C Grace:** University of Canterbury



P2-M-138: *The learnability of sign language morphology: an experimental study*

Presenting author: **Adam Schembri**

Katie Mudd: Stony Brook University; **Neil Fox:** University of Birmingham; **Kenny Smith:** University of Edinburgh; **Adam Schembri:** University of Birmingham

P2-N-139: *Learning to remember and remembering to learn: memory distortions as semantic compression of episodes*

Presenting author: **David G. Nagy**

David G. Nagy: University of Tübingen; **Gergő Orbán:** MTA Wigner RCP; **Charley M Wu:** University of Tübingen

P2-N-140: *Understanding Task Representations in Neural Networks via Bayesian Ablation*

Presenting author: **Andrew Nam**

Andrew Nam: Princeton University; **Declan I. Campbell:** Princeton University; **Tom Griffiths:** Princeton University; **Jonathan Cohen:** Princeton University; **Sarah-jane Leslie:** Princeton University

P2-N-141: *Early Neurophysiological Signatures of Multi-digit Number Length Processing*

Presenting author: **Michal Pinhas**

Nadav Neumann: Ariel University; **Michal Pinhas:** Ariel University

P2-N-142: *Predicting the Time and Place of Critical Transitions in Socio-Cognitive Systems*

Presenting author: **Leo Niehorster-Cook**

Leo Niehorster-Cook: University of California, Merced; **Isabella Marilia Dohnke:** University of California, Merced; **Paul Smaldino:** University of California, Merced; **Tyler Marghetis:** University of California, Merced

P2-N-143: *Change blindness and cross-linguistic spatial relationships: potential effects of language on attention*

Presenting author: **Pavla Novakova**

Pavla Novakova: University of East Anglia; **Kazuki Sekine:** Waseda University; **Alberto Hijazo-Gascón:** University of Zaragoza; **Kenny R Coventry:** University of East Anglia

P2-O-144: *Modeling Cue-Based Retrieval and Prediction – One Morpheme at a Time*

Presenting author: **Elise Oltrogge**

Elise Oltrogge: Goethe University Frankfurt ; **Umesh Patil:** t2k GmbH

P2-O-145: *Children learn the meaning of ambiguous evidence from third-party belief revision*

Presenting author: **Evan Orticio**

Evan Orticio: University of California, Berkeley; **Shihan Gao:** University of California, Berkeley; **Celeste Kidd:** University of California, Berkeley

P2-O-146: *Adults hold two parallel causal frameworks for reasoning about people's minds, actions and bodies*

Presenting author: **Joseph Outa**

Joseph Outa: Johns Hopkins University; **Shari Liu:** Johns Hopkins University

P2-O-147: *Modeling Object Knowledge from Child Visual Experience*

Presenting author: **Rojda Ozcan**

Rojda Ozcan: University of Illinois Urbana-Champaign; **Jon Willits:** University of Illinois at Urbana-Champaign

P2-P-148: *Co-Emergence of Sensory Modalities: Exploring the Dynamic Interaction and Adaptive Integration of Sensory Inputs in Meaning-Making Processes*

Presenting author: **Kiran Pala**

Kiran Pala: University of Eastern Finland

P2-P-149: *Understanding the heterogeneity in learning mental actions*

Presenting author: **Sandarsh Pandey**

Sandarsh Pandey: Emory University; **Mina J Chang:** Emory University; **Peter Hitchcock:** Emory University

P2-P-150: *Cognitive coherence and resource rationality: rethinking resistance to belief change*

Presenting author: **Trisevgeni Papakonstantinou**

Trisevgeni Papakonstantinou: University College London; **David Lagnado:** University College London

P2-P-151: *Mixing Words and Pictures: Mixed Evidence for Common Conceptual Representations*

Presenting author: **Hyekyung Park**

Hyekyung Park: Indiana University Bloomington; **John Opfer:** The Ohio State University

P2-P-152: *Frequency and informativity of phonological input directed to children in the first four years of life*

Presenting author: **Arjun Pawar**

Arjun Pawar: UCLA; **Margaret Cychosz:** UCLA

P2-P-153: *Classification Versus Observation through Within- and Between-Category Comparison*

Presenting author: **Rachel L. Perri**

Rachel Lynn Perri: Syracuse University; **Michael Kalish:** Syracuse University; **Daniel Corral:** Syracuse University

P2-P-154: *Quantitative Qualitative Correspondence in Grammaticalization*

Presenting author: **Abigail Petrusic**

Abigail Petrusic: University of Connecticut; **Hyosun Lee:** University of Connecticut; **Whitney Tabor:** University of Connecticut



P2-P-155: *The Ungrounded Alignment Problem*

Presenting author: Marc Pickett

Marc Pickett: Emergence AI; Aakash Kumar Nain: Emergence AI; Joseph Modayil: Openmind Research Institute; Llion O Jones: Sakana AI

P2-P-156: *Reexamining Mass/Count Flexibility in the Nominal Domain: A Real-Time Comprehension Study*

Presenting author: Alessandra Pintado-Urbanc

Alessandra K. Pintado-Urbanc: Yale University; Maria M Piñango: Yale University

P2-P-157: *Kalulu: Evidence-Based Adapted Phonics Instruction for Literacy Across Languages*

Presenting author: Cassandra Potier-Watkins

Cassandra Potier-Watkins: Université Paris Sciences Lettres (PSL); Katerina Lukasova: Federal University of ABC; Melina Vladisauskas: Neurospin; Juan C Valle-Lisboa: Universidad de la República; Stanislas Dehaene: Collège de France; Catalina Diana Contreras Ceballos: World Bank; Lubineau Marie: PSL Collège de France

P2-P-158: *Effect-prompting shifts the narrative framing of networked interactions*

Presenting author: J Hunter Priniski

Hunter Priniski: UCLA; Bryce Linford: UCLA; Darren Cao: University of Southern California; Fred Morstatter: University of Southern California; Jeff Brantingham: UCLA; Hongjing Lu: UCLA

P2-Q-159: *Cause and Blame Attribution to AI and Human Agents in Mental Health Context*

Presenting author: Mengxuan Helen Qiao

Mengxuan Helen Qiao: University College London ; Sonja Belkin: University of Cambridge; David Lagnado: University College London

P2-Q-160: *The Computational Mechanism of How Music Influences Food Choices: A Drift-Diffusion Model Analysis*

Presenting author: Xiaoang Wan

Linbo Qiu: Tsinghua University; Xiaoang Wan: Tsinghua University

P2-R-161: *Perceived legitimacy of authority influences rule endorsement and intent to comply*

Presenting author: Setayesh Radkani

Setayesh Radkani: MIT; Peng Qian: Harvard University; Rebecca Saxe: MIT

P2-R-162: *Human and LLM performance on linguistic test: Content effect and task demands*

Presenting author: May Lynn Reese

May Lynn Reese: San Francisco State University; Anastasia Smirnova: San Francisco State University

P2-R-163: *Reasoning about similar causal structures among mechanical systems*

Presenting author: Alexandra Rett

Alexandra Rett: UC San Diego; Micah Goldwater: The University of Sydney; Caren M. Walker: University of California San Diego

P2-R-164: *Individual differences in animacy cognition are reliable and externally valid*

Presenting author: Lilia Rissman

Lilia Rissman: Rochester Institute of Technology; Qiawen Liu: Princeton University

P2-R-165: *How the logic of bargaining shapes moral judgments about resource divisions*

Presenting author: Xavier Roberts-Gaal

Xavier Roberts-Gaal: Harvard University; Arthur Le Pargneux: Harvard University; Fiery Cushman: Harvard University

P2-R-166: *Step-by-step analogical reasoning in humans and neural networks*

Presenting author: Jacob Russin

Jacob Russin: Brown; Joonhwa Kim: Brown University; Ellie Pavlick: Brown University; Michael J. Frank: Brown University

P2-S-167: *Man or Machine: Evaluations of Human and Machine-Generated Movie Reviews*

Presenting author: Eyal Sagi

Eyal Sagi: University of St. Francis; Hadar Yoana Jabotinsky: Center for Interdisciplinary Research of Financial Markets, Crisis and Technology

P2-S-168: *Once Upon a Goodbye: Exploring How Animated Films Spark Child-Caregiver Conversations About Death*

Presenting author: Henrique Santos

Henrique Santos: University of California, Santa Cruz; David Menendez: University of California, Santa Cruz

P2-S-169: *The uncanny valley phenomenon triggered by a task-irrelevant dimension of objects*

Presenting author: Kota Sasaki

Kota Sasaki: Chuo University; Atsunori Ariga: Chuo University

P2-S-170: *Dynamics of topic exploration in conversation*

Presenting author: Helen Schmidt

Helen Schmidt: Temple University; Claire Augusta Bergey: Stanford University; Changyi Zhou: University of Wisconsin - Madison; Chelsea Helion: Temple University; Robert Hawkins: Stanford University

P2-S-171: *Measuring sustained attention across timescales to predict learning in real-world environments*

Presenting author: Shawn T. Schwartz

Shawn T. Schwartz: Stanford University; Kristine Zheng: Stanford University; Judith E. Fan: Stanford University



P2-S-173: Coordination Games with Sequential Stochastic Learning and Language Emergence

Presenting author: **James W Shearer**
James W Shearer: JW Shearer Consulting

P2-S-174: An Investigation of [l]-[n] Merger among Hubei Dialect Speakers: Cross-Linguistic Evidence from Perception and Production

Presenting author: **Yan Shi**
Yan Shi: University of Utah

P2-S-175: Motivational Effects of Instructor Images in Educational Materials on Early Reading Stages

Presenting author: **Hideaki Shimada**
Hideaki Shimada: Shinshu University

P2-S-176: Do Large Vision-Language Models Distinguish between the Actual and Apparent Features of Illusions?

Presenting author: **Taiga Shinozaki**
Taiga Shinozaki: Keio University; Tomoki Doi: The University of Tokyo; Amane Watahiki: The University of Tokyo; Satoshi Nishida: National Institute of Information and Communications Technology; Hitomi Yanaka: the University of Tokyo

P2-S-177: The Need for Speed? Exploring the Contribution of Motor Speed to Expertise in a Complex, Dynamic Task

Presenting author: **Catherine Sibert**
Catherine Sibert: University of Groningen; Roussel Rahman: SLAC National Accelerator Laboratory

P2-S-178: Rhesus monkeys show no preference for a left-to-right number-space mapping

Presenting author: **Alessandra Acadia Silva**
Alessandra Acadia Silva: University of Wisconsin-Madison; Benjamin Pitt: University of Massachusetts, Amherst; Stephen Ferrigno: University of Wisconsin-Madison

P2-S-179: The Black Stories Experiment: Two Groups are Trying to Solve a Riddle Game Behind a Screen, Only One Group Is Alive

Presenting author: **Tessa Verhoef**
Yanna Smid: Leiden University; Nikki Rademaker: Leiden University; Linthe van Rooij: Leiden Institute of Advanced Computer Science; Tessa Verhoef: Leiden University

P2-S-180: Unmasking political deception: Investigating the Discernment and Emotional Impact of Deepfake Political Speeches Featuring American Presidential Candidates

Presenting author: **Eliza Solomon**
Eliza Solomon: London School of Economics; Jens Koed Madsen: London School of Economics; Edoardo Zulato: London School of Economics

P2-S-181: Investigating the parallels of Negation and Conflict using a Mouse Tracking Paradigm

Presenting author: **Samuel Sonntag**
Samuel Sonntag: University of Tübingen

P2-S-182: Does cooking involve 'math'? The relationship between math conception and math anxiety in Indian elementary and middle-school students

Presenting author: **Sahana Sridhar**
Sahana Sridhar: UC Berkeley; Ruthe Foushee: The New School for Social Research; Rachel Jansen: University of California; Mahesh Srinivasan: UC Berkeley

P2-S-183: Curiosity Exploration Styles in Word Association Tasks

Presenting author: **Stephen Ross Steinle**
Stephen Steinle: University of South Florida; My Duong: University of South Florida; Suraj Kumar: University of South Florida; Rima El Brouzi: University of South Florida; John Licato: University of South Florida

P2-S-184: Elicitation Strategies for Capturing Information Visualization Affordances

Presenting author: **Chase Stokes**
Chase Stokes: University of California Berkeley; Kylie R. Lin: Georgia Institute of Technology; Cindy Xiong Bearfield: Georgia Tech

P2-S-185: Wrong for the Right Reason? Using Successes and Failures of Large Language Models to Understand Human Thinking

Presenting author: **Zach Studdiford**
Zach Studdiford: University of Wisconsin-Madison; Gary Lupyan: University of Wisconsin - Madison

P2-S-186: Envisioning: The Cognitive Challenge of Prompt-based LLM Interactions

Presenting author: **Hariharan Subramonyam**
Hariharan Subramonyam: Stanford University; Colleen Seifert: U Michigan

P2-S-188: Does Precision Affect Categorization? Magnitude Categorization and Measurement Scales

Presenting author: **Ling Sun**
Ling Sun: Indiana University; Soyoung Kim: Indiana University; Robert Goldstone: Indiana University

P2-T-189: Influence of a Partner's Behavioral Process on the Sense of Joint Agency During Collaborative Task

Presenting author: **Megumi Tamura**
Megumi Tamura: The University of Tokyo; Naohiro Jomura: The University of Tokyo; Keisuke Sato: The University of Tokyo; Kazuhiro Ueda: The University of Tokyo



P2-T-190: Exploring the mechanisms that enable multimodal reasoning about data visualizations in vision-language models

Presenting author: **Alexa R. Tartaglino**

Alexa R. Tartaglino: Stanford University; **Christopher Potts:** Stanford University; **Judith E. Fan:** Stanford University

P2-T-191: How constraints on editing affects cultural evolution

Presenting author: **Ofer Tchernichovski**

Ofer Tchernichovski: Hunter College; **Peter M. C. Harrison:** University of Cambridge; **Eitan Globerson:** Israel Institute of Technology; **Nori Jacoby:** Cornell University

P2-T-192: Leave a trace: Recursive reasoning about deceptive behavior

Presenting author: **Verona Teo**

Verona Teo: Stanford University; **Sarah A Wu:** Stanford University; **Erik Brockbank:** Stanford University; **Tobias Gerstenberg:** Stanford University

P2-T-193: Early Evaluations of Caregivers Who Help and Hinder Safe and Dangerous Goals

Presenting author: **Rodney Tompkins**

Rodney Tompkins: University of California, San Diego; **Lindsey J Powell:** UCSD

P2-T-194: Cooperation, Deception and Theory of Mind in a Cyclic Game with Inter-Player Signalling

Presenting author: **J.D. Top**

Jakob Dirk Top: University of Groningen; **Harmen de Weerd:** Bernoulli Institute for Mathematics, Computer Science and Artificial Intelligence, University of Groningen; **Abisharan Raveenthiran:** University of Groningen; **Catholijn M Jonker:** Delft University of Technology; **Rineke Verbrugge:** University of Groningen

P2-T-195: FutureMind: How Human Cognition Shapes the Way We Think About Our Futures

Presenting authors: **Tiago Torrent & Mark Turner**

Tiago Torrent: Federal University of Juiz de Fora; **Mark Turner:** Case Western Reserve University

P2-T-196: Can Visual Fixations Explain Context-Dependent Reinforcement Learning?

Presenting author: **Melanie J. Touchard**

Melanie J Touchard: Binghamton University; **William M Hayes:** Binghamton University

P2-T-197: Human and Nonhuman Learning of Hierarchical Structures in a Lindenmayer Grammar

Presenting author: **Elijah Tramm**

Elijah Tramm: University of Wisconsin-Madison; **Stephen Ferrigno:** University of Wisconsin-Madison

P2-T-198: Non-literal Understanding of Number Words by Language Models

Presenting author: **Polina Tsvilodub**

Polina Tsvilodub: University of Tübingen; **Kanishk Gandhi:** Stanford University; **Haoran Zhao:** University of Washington; **Jan-Philipp Fränken:** University of Edinburgh; **Michael Franke:** University of Osnabrück; **Noah Goodman:** Stanford University

P2-V-201: A Linguistic Analysis of Spontaneous Thoughts: Investigating Experiences of Deja Vu, Unexpected Thoughts, and Involuntary Autobiographical Memories

Presenting author: **Videep Venkatesha**

Videep Venkatesha: Colorado State University; **Mary Cati Poulos:** University of Minnesota Twin Cities; **Christopher Steadman:** University of Minnesota; **Caitlin Mills:** University of Minnesota; **Anne M. Cleary:** Colorado State University; **Nathaniel Blanchard:** Colorado State University

P2-V-202: Does perceptual chunking facilitate predictive processing in spontaneous speech?

Presenting author: **Svetlana Vetchinnikova**

Svetlana Vetchinnikova: University of Helsinki; **Mikhail Zolotilin:** University of Helsinki

P2-V-203: Ensemble Physics: Perceiving the Mass of Groups of Objects is More Than the Sum of Its Parts

Presenting author: **Vicente Vivanco**

Vicente Vivanco: MIT; **Joshua B. Tenenbaum:** MIT; **Vivian C. Paulun:** Massachusetts Institute of Technology; **Kevin A Smith:** Massachusetts Institute of Technology

P2-W-204: Stochastic Metalevel Markov Decision Processes: Proposal and Validation through Ecologically Valid Experiments

Presenting author: **Taisei Wakai**

Taisei Wakai: CyberAgent, Inc.; **Nami Ogawa:** CyberAgent, Inc.; **Asahi Hentona:** CyberAgent, Inc.; **Kensuke Okada:** The University of Tokyo

P2-W-205: When Seating Matters: Modeling Graded Social Attitudes as Bayesian Inference

Presenting author: **Zihan Wang**

Zihan Wang: Yale University; **Julian Jara-Ettinger:** Yale University

P2-W-206: Modeling Face Recognition Challenges in Autism Spectrum Disorder: A CNN-Based Approach

Presenting author: **Xijing Wang**

Xijing Wang: Santa Clara University; **Lang Chen:** Santa Clara University

P2-W-207: The Paradox of Certainty: When Graphed Ensembles Convey Averages Better than Graphed Averages

Presenting author: **Yang Wang**

Yang Wang: University of California, San Diego; **Sarah Kerns:** Dartmouth College; **Timothy Brady:** UC San Diego; **Jeremy Wilmer:** Wellesley College



P2-W-208: Bridging Perception and Language: A Systematic Benchmark for LVLMS' Understanding of Amodal Completion Reports

Presenting author: **Amane Watahiki**

Amane Watahiki: The University of Tokyo; **Tomoki Doi**: The University of Tokyo; **Taiga Shinozaki**: Keio University; **Satoshi Nishida**: National Institute of Information and Communications Technology; **takuya niikawa**: Kobe University; **Katsunori Miyahara**: Hokkaido University; **Hitomi Yanaka**: the University of Tokyo

P2-W-209: Scope Ambiguity Resolution of Negated Connectives in English Corpora

Presenting author: **Micaela Wells**

Micaela Wells: Georgetown University; **Brandon Waldon**: Georgetown University; **Nathan Schneider**: Georgetown University

P2-W-210: Listener Trade-Offs between Acoustics and Semantics in Noisy Speech

Presenting author: **Anna Westwig**

Anna Westwig: Wellesley College; **Wednesday Bushong**: Wellesley College; **Yoolim Kim**: Wellesley College

P2-W-211: Experimentally extracting implicit instruments

Presenting author: **Ashlyn Winship**

Ashlyn Winship: Cornell University; **Zander Lynch**: Cornell University; **Marten van Schijndel**: Cornell University

P2-W-212: Zipfian distributions facilitate word segmentation in infants

Presenting author: **Lucie Wolters**

Lucie Wolters: The Hebrew University of Jerusalem; **Mitsuhiko Ota**: University of Edinburgh; **Inbal Arnon**: Hebrew University

P2-W-213: The Impact of Personality Types and Cognitive Learning Styles on ESL Learners in Art and Science Programmes

Presenting author: **Catherine Shee-hei Wong**

Catherine Shee-hei Wong: Hong Kong Metropolitan University

P2-W-214: Collective Emotions: Appraisal-based similarity in emotion attributions to individuals and groups

Presenting author: **Songzhi Wu**

Songzhi Wu: Dartmouth College; **Sean Dae Houlihan**: Dartmouth College; **Meghan Meyer**: Columbia University; **Jonathan Phillips**: Dartmouth College

P2-X-215: Language models assign responsibility based on actual rather than counterfactual contributions

Presenting author: **Eric Bigelow**

Yang Xiang: Harvard University; **Eric Bigelow**: Harvard University; **Tobias Gerstenberg**: Stanford University; **Tomer D. Ullman**: Harvard University; **Samuel Gershman**: Harvard University

P2-X-216: An Experience-First Approach to Autistic Pragmatics

Presenting author: **Dezhi Luo**

Yage G. Xin: University of California San Diego; **Dezhi Luo**: University of Michigan

P2-X-217: Learning task rule updating strategies requires extensive practice

Presenting author: **Shengjie Xu**

Shengjie Xu: Ghent University; **Tanya Wen**: Meta; **Tobias Egner**: Duke University; **Tom Verguts**: Ghent University; **Senne Braem**: Ghent University

P2-Y-219: Beyond Word Meaning Mappings: The Role of Low-Informative Events in Conceptual Alignment

Presenting author: **Menghan Yang**

Menghan Yang: University of Connecticut; **Sumarga H. Suanda**: University of Connecticut

P2-Y-221: Who and when gets the race? Two processing routes for the advantages and penalties of pronominal ambiguity resolution

Presenting author: **Ruoqing Yao**

Ruoqing Yao: University of California, Santa Cruz; **Matt Wagers**: University of California, Santa Cruz

P2-Y-222: What's in the Box? Reasoning about Unseen Objects from Multimodal Cues

Presenting author: **Lance Ying**

Lance Ying: Massachusetts Institute of Technology; **Daniel Xu**: Massachusetts Institute of Technology; **Alicia Zhang**: Massachusetts Institute of Technology; **Katherine M Collins**: MIT; **Max Siegel**: MIT; **Joshua B. Tenenbaum**: MIT

P2-Y-223: Reducing Negative Attitudes Towards Immigrants – The Role of Prior Attitudes and Argument Style

Presenting author: **Carolin Echterbeck**

Sayeh Yousefi: London School of Economics and Political Science; **Calvin Christopher James Lee Deans-Browne**: University College London; **Carolin Echterbeck**: University College London; **Jens Koed Madsen**: London School of Economics

P2-Y-224: Generics revisited: Analyzing generalizations in children's books and caregivers' speech

Presenting author: **Sunny Yu**

Sunny Yu: Stanford University; **Alvin Wei Ming Tan**: Stanford University; **Siying Zhang**: Department of Psychology; **Xuhui Miao**: Stanford University; **Riley Carlson**: Stanford University; **Tobias Gerstenberg**: Stanford University; **David Rose**: Stanford



P2-Y-225: From hearing to feeling: Quantifying music-emotion and examining the different processing patterns in children with special educational needs (SEN)

Presenting author: **Jake O'Hanlon**

Cherry Wing Yin Yue: The University of Hong Kong; **Jake Terence O'Hanlon-Cheung:** The University of Hong Kong; **Shelley Xiuli Tong:** The University of Hong Kong

P2-Z-226: Fine-tuning semantic vectors with semantic fluency data

Presenting author: **Jeffrey Zemla**

Jeffrey Zemla: Syracuse University; **Nichol Castro:** University at Buffalo

P2-Z-227: How shared interactive experiences reshape the semantic representations of abstract concepts

Presenting author: **Mingjun Zhai**

Mingjun Zhai: Hong Kong Polytechnic University; **Lai Wei:** Hong Kong Polytechnic University; **Ping Li:** Hong Kong Polytechnic University

P2-Z-229: Hypocrisy, Emotion, and Belief Alignment: Betrayal May Drive Moral Judgement

Presenting author: **Bruce D. Burns**

Zuming Zhang: University of Sydney; **Bruce Burns:** The University of Sydney

P2-Z-230: A minimalistic representation model for head direction system

Presenting author: **Minglu Zhao**

Minglu Zhao: University of California - Los Angeles; **Dehong Xu:** University of California - Los Angeles; **Deqian Kong:** University of California - Los Angeles; **Wen-Hao Zhang:** UT Southwestern Medical Center; **Yingnian Wu:** University of California - Los Angeles

P2-Z-231: Discovering Hidden Laws in Innovation by Recombination

Presenting author: **Bonan Zhao**

Bonan Zhao: University of Edinburgh; **Elizabeth Mieczkowski:** Princeton University; **Dilip Arumugam:** Stanford University; **Natalia Vélez:** Princeton University; **Tom Griffiths:** Princeton University

P2-Z-232: Linking student psychological orientation, engagement, and learning in college-level introductory data science

Presenting author: **Kristine Zheng**

Kristine Zheng: Stanford University; **Erik Brockbank:** Stanford University; **Shawn T. Schwartz:** Stanford University; **David Yeager:** University of Texas at Austin; **Christopher Bryan:** University of Texas at Austin; **Carol Dweck:** Stanford University; **Judith E. Fan:** Stanford University

P2-z-233: The Impact of Physical Effort and Cybersickness on Environmental Learning and Navigation: A Comparison of Desktop and Treadmill Interfaces

Presenting author: **Mantong (Mable) Zhou**

mantong zhou: University of California, Santa Barbara; **William Ou:** University of California, Santa Barbara (SSO); **Tobias Höllerer:** University of California, Santa Barbara (SSO); **Barry Giesbrecht:** University of California, Santa Barbara (SSO); **Mary Hegarty:** University of California, Santa Barbara

P2-Z-234: Language and the Algebraic Mind: Learning Unfamiliar Rules

Presenting author: **Qi Zhou**

Qi Zhou: Xi'an Jiaotong-Liverpool University; **Jike Qin:** Xi'an Jiaotong-Liverpool University; **Daniel Roberts:** University of Liverpool

P2-Z-235: Investigating children's performance on object- and picture-based vocabulary assessments in global contexts: Evidence from Kisumu, Kenya

Presenting author: **Rebecca Zhu**

Rebecca Zhu: Stanford University; **Tabitha Nduku:** RTI International; **Joab Ochieng Arieda:** Safe Water and AIDS Project; **Arnav Verma:** Stanford University; **Judith E. Fan:** Stanford University; **Michael C. Frank:** Stanford University

P2-Z-236: Video game experience mediates sex differences in spatial and navigation abilities

Presenting author: **Zoe Ziv**

Zoe Ziv: University of California, Santa Barbara; **Mary Hegarty:** University of California Santa Barbara

P2-C-237: Language models demonstrate the good-enough processing seen in humans

Presenting author: **Yan Cong**

Yan Cong: Purdue University; **Julia Rayz:** Purdue University

P2-M-238: Probing for experience-driven critical period effects in a large language model

Presenting author: **Dyana Muller**

Dyana Muller: UC Berkeley; **Koquion Li Lin:** University of Melbourne; **Charles Kemp:** University of Melbourne; **Francis Mollica:** University of Melbourne

P2-R-239: Does Language Stabilize Quantity Representations in Vision Transformers?

Presenting author: **Pamela D. Rivière**

Pamela D Riviere: University of California San Diego; **Oisín Parkinson-Coombs:** ETH; **Cameron R Jones:** UC San Diego; **Sean Trott:** UC San Diego

P2-R-240: Care Beyond Empathy: Towards a More Accessible Theory of Prosocial Clinician-Patient Interaction

Presenting author: **Sawyer Lucas-Griffin**

Mira Raju: National Institutes of Health; **Sawyer Lucas-Griffin:** National Institutes of Health



P2-W-241: *Maternal Input Quality and Its Impact on Late Talkers' Syntax and Lexical Development*

Presenting author: **Xuan Wang**

Xuan Wang: University of Kansas; **Yan Shi:** University of Utah

P2-T-242: *The Role of Caregiver Linguistic Input in Infant Joint Attention and Early Language Development: A Longitudinal Study*

Presenting author: **Yueyan Tang**

Yueyan Tang: University of California San Diego; **Gedeon O Deak:** UC San Diego

P2-H-243: *Cross-modal serial dependence emerges in sequential numerosity comparison task*

Presenting author: **Takuma Hashimoto**

Takuma Hashimoto: Osaka Metropolitan University; **Shogo**

Makioka: Osaka Metropolitan University

P2-I-244: *Orthographic positional biases in pre- and early readers*

Presenting author: **Erin Isbilen**

Erin Isbilen: Yale University; **Allie Liebmann:** Albert Einstein

College of Medicine; **Jay Rueckl:** University of Connecticut;

Kenneth Pugh: Yale University; **Richard N. Aslin:** Yale University

P2-D-245: *Beyond Rewards: How Information Value and Time Horizon Shape Exploration*

Presenting author: **Annya Dahmani**

Annya Dahmani: UC Berkeley; **Dorsa Amir:** Duke University; **Alison**

Gopnik: University of California at Berkeley

P2-J-246: *Bounded Ecologically Rational Meta-learned Inference Explains Human Category Learning*

Presenting author: **Akshay Kumar Jagadish**

Akshay Kumar Jagadish: Helmholtz Munich; **Julian Coda-Forno:**

Helmholtz Zentrum München Deutsches Forschungszentrum für

Gesundheit und Umwelt; **Mirko Thalmann:** Helmholtz Zentrum

München Deutsches Forschungszentrum für Gesundheit und

Umwelt; **Marcel Binz:** Helmholtz Zentrum München Deutsches

Forschungszentrum für Gesundheit und Umwelt; **Eric Schulz:**

Helmholtz Zentrum München Deutsches Forschungszentrum für

Gesundheit und Umwelt

P2-S-248: *Generating Representations In Space with GRIS*

Presenting author: **John R. Starr**

John R Starr: Cornell University; **Ashlyn Winship:** Cornell

University; **Marten van Schijndel:** Cornell University

P2-B-249: *Linguistic Creativity affects Discourse Expectations related to Contiguity Relations but not Implicit Causality*

Presenting author: **Florian Kankowski**

Oliver Bott: Bielefeld University; **Torgim Solstad:** Bielefeld

University; **Florian Kankowski:** Bielefeld University

P2-C-250: *Children's beliefs about parents drive their learning about the world*

Presenting author: **Dr. Julia Leonard**

Brandon Carrillo: Yale University; **Julian Jara-Ettinger:** Yale

University; **Julia Anne Leonard:** Yale University



POSTER SESSION 3: SATURDAY, AUGUST 2

P3-A-2: *Stochastic search algorithms can tell us who to trust (and why)*

Presenting author: **Manikya Alister**

Manikya Alister: The University of Melbourne; **Andrew Perfors:** University of Melbourne

P3-A-3: *The influence of scene discontinuity on the relation between mind wandering and event boundaries*

Presenting author: **Gerrit Anders**

Gerrit Anders: Leibniz Institut für Wissensmedien; **Juergen Buder:** Institut für Wissensmedien; **Marie Thiwissen:** RWTH Aachen; **Myrthe Faber:** Donders Centre for Cognitive Neuroimaging; **Markus Huff:** Leibniz-Institut für Wissensmedien

P3-A-4: *Serial Reproduction Reveals the Interaction of Tempo and Rhythm Perception in Music and Speech*

Presenting author: **Nori Jacoby**

Manuel Anglada-Tort: Goldsmiths, University of London; **Erika Tsumaya:** Max Planck Institute for Empirical Aesthetics; **Nori Jacoby:** Max Planck Institute for Empirical Aesthetics

P3-A-5: *Decomposing Implicit Bias in Distributional Semantic Models: The Roles of First- and Second-Order Co-Occurrence*

Presenting author: **Molly Apssel**

Molly Apssel: Indiana University; **Michael N. Jones:** Indiana University

P3-A-6: *Heritage Language vs. Dominant Language: When Bilinguals Excel in Unexpected Ways*

Presenting author: **Natsuki Atagi**

Natsuki Atagi: California State University, Fullerton; **Sammi Banh:** California State University, Fullerton; **Megan Zirnstein:** Pomona College

P3-B-7: *People use mixed strategies to make efficient but structured inferences about agents in roles*

Presenting author: **Aaron Baker**

Aaron Baker: Yale University; **Khushi Sharma:** Georgia Institute of Technology; **Yarrow Dunham:** Yale University; **Julian Jara-Ettinger:** Yale University

P3-B-8: *The Impact of Immediate and Elaborative Feedback on Second Grade Students' Equation Solving and Understanding of the Equal Sign*

Presenting author: **Anna N. Bartel**

Anna Bartel: WestEd; **Jacklyn Powers:** WestEd; **Amy L Miyahara:** University of Notre Dame; **Yvonne Kao:** WestEd; **Jodi Davenport:** WestEd; **Nicole M McNeil:** University of Notre Dame

P3-B-9: *Studying Mathematical Reasoning through the Gadget Game*

Presenting author: **Jonas Bayer**

Jonas Bayer: University of Cambridge; **Jacob Loader:** University of Cambridge; **Katherine M Collins:** MIT; **Simon Frieder:** University of Oxford; **Adrian Weller:** University of Cambridge; **Joshua B. Tenenbaum:** MIT; **Timothy Gowers:** University of Cambridge

P3-B-10: *Development in the comprehension of phonetically reduced spoken words*

Presenting author: **Caroline Beech**

Caroline Beech: University of Pennsylvania; **Megan Shelton:** University of Pennsylvania; **Daniel Swingley:** University of Pennsylvania

P3-B-11: *Recommender Systems Issue Polarization in Social Networks*

Presenting author: **Sonja Belkin**

Sonja Belkin: University of Cambridge; **Jens Koed Madsen:** London School of Economics

P3-B-12: *CV-Probes: Studying the interplay of lexical and world knowledge in visually grounded verb understanding*

Presenting author: **Ivana Benova**

Ivana Benova: Brno University of Technology; **Michal Gregor:** Kempelen Institute of Intelligent Technologies; **Albert Gatt:** Utrecht University

P3-B-13: *Boosting Cognitive Modelling for Human Reasoning*

Presenting author: **Meghna Bhadra**

Meghna Bhadra: Technische Universität Dresden; **Marco Ragni:** TU Chemnitz

P3-B-14: *Event Segmentation and Memories of Daily Life After a Traumatic Brain Injury (TBI)*

Presenting author: **Billet Maud**

Maud Billet: University of Liège; **Marie Geurten:** University of Liège; **sylvie Willems:** University of Liège

P3-B-15: *Who drew this? Children appreciate visual style differently than adults*

Presenting author: **Tal Boger**

Tal Boger: Johns Hopkins University; **Chaz Firestone:** Johns Hopkins University; **Shari Liu:** Johns Hopkins University

P3-B-16: *"He's bigger so he has to be older": Children's development of age concepts from 3 to 5 years old*

Presenting author: **Kosta Boskovic**

Kosta Boskovic: University of California, San Diego; **David Barner:** UC San Diego



P3-B-17: Knowledge of Examples Affects Conditional Reasoning About Math

Presenting author: David W. Braithwaite

David W Braithwaite: Florida State University; Anna Rafferty: Carleton College

P3-B-18: When to speak up: How children reason about group dynamics

Presenting author: Mack Briscoe

Mack Briscoe: Harvard University; Ashley J Thomas: Harvard University

P3-B-19: How Gesture Impacts Preschoolers' Recall and Inference for Narrative Stories

Presenting author: Chelsea Brown

Chelsea Brown: CU Boulder; Eliana Colunga: University of Colorado Boulder

P3-B-20: How does social learning affect trapped learners?

Presenting author: Rheza Budiono

Rheza Budiono: New York University; Catherine Hartley: New York University; Todd M Gureckis: New York University

P3-C-21: Humans and convolutional neural networks prioritize similar visual features in intuitive physics judgments

Presenting author: Ren Calabro

Ren Calabro: University of Chicago; Kannon Bhattacharyya: University of Chicago; Wilma Bainbridge: University of Chicago; Yuan Chang Leong: University of Chicago

P3-C-22: Semantic-Pragmatic Adaptation to Variable Use of Temporal Expressions

Presenting author: Yuxin Cao

Yuxin Cao: University College London; Sebastian Schuster: University College London

P3-C-23: Optimizing Learning Efficiency: Balancing Spacing and Repetition Under Time Constraints

Presenting author: Meng Cao

Meng Cao: Carnegie Mellon University; Veronica X. Yan: The University of Texas at Austin ; Faria Sana: Athabasca University; Paulo F. Carvalho: Carnegie Mellon University

P3-C-24: A Computational Model of Human Vocal Imitation

Presenting author: Matthew Caren

Matthew Caren: MIT; Kartik Chandra: MIT; Joshua B. Tenenbaum: MIT; Jonathan Ragan-Kelley: MIT; Karima Ma: Massachusetts Institute of Technology

P3-C-25: Deep Vision Models Follow Shepard's Universal Law of Generalization

Presenting author: Daniel L. Carstensen

Daniel L Carstensen: Brown University; Serra E Favila: Brown University; Steven Frankland: Dartmouth College

P3-C-26: Eyes on Her: A Pilot Eye-Tracking Study of the Attentional Advantage of Happy Female Faces

Presenting author: Lijiya Chacko

Lijiya Chacko: Indian Institute of Technology, Bombay; Rashmi Gupta: IIT Bmbay

P3-C-27: Convergence, Reciprocity, and Asymmetry: Communication Accommodation Between Large Language Models and Users Across Cultures

Presenting author: Rong-Ching Chang

Rong-Ching Chang: UC DAVIS; Hao-Chuan Wang: UC Davis

P3-C-28: The Relationship between Musical Experience and Cue Reweighting in Speech Perception

Presenting author: Chiung-Yu Chang

Chiung-Yu Chang: University of Massachusetts Amherst; Lisa D. Sanders: University of Massachusetts Amherst

P3-C-29: Cross-Linguistic Influence and Developmental Patterns in Reflexive Pronoun Use Among Monolingual, Bilingual, and Trilingual Children

Presenting author: Yue Chen

Yue Chen: University of Southern California; Mengyao Shang: The Chinese University of Hong Kong; Ziyin Mai: Chinese University of Hong Kong

P3-C-30: Short Intervention during Sustained Attention Tasks Preserve Performance Without Reducing Mind-Wandering

Presenting author: Siyu Chen

Siyu Chen: Emory University; Andrea Stocco: University of Washington; Brianna Yamasaki: Emory University

P3-C-31: Searching for Events: Rapid visual extraction of language-compatible event representations

Presenting author: John Trueswell

Junyi Chen: University of Pennsylvania; John Trueswell: University of Pennsylvania

P3-C-32: What and How Schema Networks Are Acquired During the Learning of Line Graphs: Modelling Using Representational Systems Theory.

Presenting author: Peter Cheng

Peter Cheng: University of Sussex; Grecia Garcia Garcia: University of Sussex

P3-C-33: Decompose, Deduce, and Dispose: A Memory-Limited Metacognitive Model of Human Problem Solving

Presenting author: Samuel Cheyette

Samuel J. Cheyette: MIT; Tony Chen: MIT; Matthias Hofer: MIT; Frederick Callaway: New York University; Neil R. Bramley: University of Edinburgh; Joshua B. Tenenbaum: MIT



P3-C-34: First Contact: Children's Emerging Sensitivity to Causality in Second-Order Learning

Presenting author: **Ricky W.J. Choi**

Ricky W.J. Choi: Carnegie Mellon University; **David Rakison:** Carnegie Mellon University

P3-C-35: The neural bases of graph perception: a novel instance of cultural recycling

Presenting author: **Lorenzo Ciccione**

Lorenzo Ciccione: Collège de France - PSL University; **Stanislas Dehaene:** NeuroSpin Center, CEA DRF/I2BM, INSERM, Université Paris-Sud, Université Paris-Saclay

P3-C-36: Modulating categorization skills: The impact of transcranial Direct Current Stimulation (tDCS) on the Prototype Effect

Presenting author: **Guangtong Wang**

Ciro Civile: University of Exeter; **Wang Guangtong:** University of Exeter

P3-C-37: Comparing eye movement and lexical decision experiments on Thai compound recognition

Presenting author: **Tommi Leung**

Suphasiree Chantavarin: Chulalongkorn University; **Tommi Leung:** United Arab Emirates University

P3-C-39: Metacognition as a domain of skill

Presenting author: **Brendan Conway-Smith**

Brendan Conway-Smith: Carleton University

P3-C-40: Children's expectations of dominant and prestigious leaders

Presenting author: **Renee A Creppy**

Renee Creppy: Princeton University; **Natalia A Vélez:** Princeton University

P3-C-41: Homogeneity Bias in Small Number Word Comprehension

Presenting author: **Jenna Croteau**

Jenna Croteau: UMass Amherst; **Joonkoo Park:** University of Massachusetts Amherst

P3-D-43: Age Inference on both Textual and Social Perspectives with Semi-supervised Learning

Presenting author: **Dong Zhang**

Wu Dan: School of computer science and technology; **Zixuan Teng:** Soochow University; **Dong Zhang:** Soochow University

P3-D-44: Goal Inference using Reward-Producing Programs in a Novel Physics Environment

Presenting author: **Guy Davidson**

Guy Davidson: New York University; **Graham Todd:** New York University Tandon; **Cédric Colas:** MIT; **Junyi Chu:** Stanford University; **Julian Togelius:** New York University; **Joshua B. Tenenbaum:** MIT; **Todd M Gureckis:** New York University; **Brenden Lake:** NYU

P3-D-45: Explaining Necessary Truths

Presenting author: **Gülce Kardes**

Simon DeDeo: Carnegie Mellon University; **Gulce Kardes:** University of Colorado, Boulder

P3-D-46: Modeling human learning and exploration in a temporal combinatorial bandit task

Presenting author: **Guang-Yu Deng**

Guang-Yu Deng: Peking University; **Xi Guo:** Peking University; **Fei Peng:** Peking University; **Li Wang:** Peking University; **Hang Zhang:** Peking University

P3-D-47: VGG-19 Displays Human-like Biases in Statistical Judgment from Visual Graphs

Presenting author: **Ruiyi Ding**

Ruiyi Ding: Shanghai University; **Yueyuan Zheng:** Hong Kong University of Science and Technology; **Janet Hsiao:** Hong Kong University of Science & Technology; **Lisheng He:** Shanghai University

P3-D-48: Think outside the box: Making up casual hypotheses from unreliable evidence

Presenting author: **Robie Gonzales**

Simal Dolek: Dalhousie University; **Mia Radovanovic:** University of Toronto; **Robie Gonzales:** Dalhousie University; **Jessica Sommerville:** University of Toronto; **Marta Kryven:** Dalhousie University

P3-D-49: Naturalistic action sampling as foraging in the option space

Presenting author: **Alina Dracheva**

Alina Dracheva: Dartmouth College; **Jonathan Phillips:** Dartmouth College

P3-D-50: Conceptual and affective alignment in sensory metaphor

Presenting author: **Frank H. Durgin**

Frank Durgin: Swarthmore college

P3-E-51: Mechanisms Of Working Memory Allocation In Reward Learning

Presenting author: **Daniel Ehrlich**

Daniel B Ehrlich: University of California Berkeley; **Anne GE Collins:** UC Berkeley

P3-E-52: The origin of the possible: 12-month-olds' understanding of certain, likely, and unlikely events

Presenting author: **Seref Can Esmer**

Şeref Esmer: Yale University; **Nicolo Cesana-Arlotti:** Yale University

P3-F-53: Space-time perception of Mandarin Speakers: age, temporal-focus and contextual priming

Presenting author: **Hsin-Yu Fan Chiang**

Hsin-Yu Fan Chiang: National Taiwan Normal University; **Yu-Jui Huang:** National Taiwan Normal University; **Huichen S. Hsiao:** National Taiwan Normal University



P3-F-54: Emotional Consensus Matters: Impact on Toddlers' Visual Exploration Behaviors

Presenting author: **Wei Fang**

Wei Fang: McMaster University; **Naiqi G Xiao:** McMaster University

P3-F-55: Integrating talker and message in language processing: the influence of speaker gender on sentence prediction in Mandarin Chinese

Presenting author: **Yun Feng**

Yun Feng: The Hong Kong Polytechnic University; **Yao Yao:** The Hong Kong Polytechnic University; **Ming Xiang:** University of Chicago

P3-F-56: The Role of Plant Gestalt in Plant Embodied Cognition

Presenting author: **Anna Finke**

Anna Finke: University of Murcia

P3-F-57: Probing articulatory representation learning for phonological distinctions

Presenting author: **Sean Foley**

Sean Foley: University of Southern California

P3-F-58: Evaluating Individual Differences in Multimodal Measurement of Inhibitory Control Using Drift Diffusion Modeling

Presenting author: **Sebastian Franck Love, MS**

Sebastian Franck Love: University of California, Berkeley; **Danielle Jones:** University of California, Berkeley; **Keanan Joyner:** University of California, Berkeley

P3-F-59: A Bayesian Model of Confirmatory Exploration in Text-based Web Media

Presenting author: **Yosuke Fukuchi**

Yosuke Fukuchi: Tokyo Metropolitan University

P3-G-60: Linking Production of Mandarin Tonal Contrasts with Musicality in Adult Learners

Presenting author: **Chen Gao**

Chen Gao: CUNY Graduate Center; **Christopher Donnan Gravelle:** The Graduate Center, CUNY; **Shan Jiang:** CUNY Graduate Center; **Patricia J. Brooks:** CUNY Graduate Center

P3-G-61: When Rules Don't Cut It: The Relative Frequency of Inductive and Deductive Language During Real-World Surgical Training

Presenting author: **Olivia Gatto**

Olivia Ann Gatto: Indiana University Bloomington; **Courtney Yong:** Indiana University; **Aisha Noor Sirajuddin:** Indiana University; **Benjamin Motz:** Indiana University

P3-G-62: When Teaching A Robot, People Employ Different Feedback Strategies: Some Are More Effective Than Others

Presenting author: **Nicholas C. Georgiou**

Nicholas C. Georgiou: Yale University; **Shuangge Wang:** Department of Computer Science; **Joel Banks:** Yale University; **Kate Candon:** Yale University; **Drazen Brscic:** Kyoto University; **Brian Scassellati:** Yale University

P3-G-63: How does multilingualism interact with early number concepts?

Presenting author: **Susan Hespos**

Antonia Goetz: Western Sydney University; **Hollie Brown:** The MARCS Institute for Brain, Behaviour and Development; **Kristy vanMarle:** University of Arizona; **Susan Hespos:** Western Sydney University

P3-G-64: To Honor or Dishonor Student Choices? The Impact of Self-Regulation on Instructional Methods and Learning Outcomes

Presenting author: **Gillian Gold**

Gillian Gold: Carnegie Mellon University; **Michael W Asher:** Carnegie Mellon University; **Paulo F. Carvalho:** Carnegie Mellon University

P3-G-65: Human Action Classification from Naturalistic Videos

Presenting author: **Uriel González-Bravo**

Uriel Gonzalez-Bravo: Rutgers University; **Jacob Feldman:** Rutgers University

P3-G-66: Investigating the Impact of Vocabulary Size on Lexical Networks using Latent Space Modeling

Presenting author: **C. Donnan Gravelle**

Christopher Donnan Gravelle: The Graduate Center, CUNY

P3-G-67: Enhanced Prototype Formation for Other-Race Faces in Infancy: Developmental Trajectories and Environmental Adaptations

Presenting author: **Carie Guan**

Carie Guan: McMaster University; **Paul C. Quinn:** University of Delaware; **Linlin Yan:** Zhejiang Sci-Tech University; **Naiqi G Xiao:** McMaster University

P3-G-68: The (side) effects of medicalization: How viewing mental disorders as brain disorders shapes perceptions of onset, recovery, severity, and treatment efficacy in the general public

Presenting author: **Olha Guley**

Olha Guley: ENS, CNRS, EHESS; **Daniel Nettle:** ENS, CNRS, EHESS



P3-G-69: Cross-Language Typicality Effects in a Multilingual Large Language Model

Presenting author: **Sashank Varma**

Sneh Gupta: Georgia Institute of Technology; **Ethan L Haarer:** Georgia Institute of Technology; **May Kalnik:** Georgia Institute of Technology; **Amogh S Mellacheruvu:** Georgia Institute of Technology; **Nikhita Vasan:** Georgia Institute of Technology; **Sashank Varma:** Georgia Tech

P3-G-70: Exploring the Impact of Regularity, Frequency and Phonological Complexity on Morphological Production in Children with DLD and Phonological Disorders

Presenting author: **Selcuk Guven**

Selcuk Guven: University of Montreal; **Aysin Noyan Erbas:** Hacettepe Univesity; **Nazmiye Atila Caglar:** Hacettepe Univesity

P3-H-71: Efficient communication drives the semantic structure of kinship terminology

Presenting author: **Maisy Hallam**

Maisy Hallam: University of Edinburgh; **Simon Kirby:** The University of Edinburgh; **Fiona Jordan:** University of Bristol; **Kenny Smith:** University of Edinburgh

P3-H-72: Humans learn proactively in ways that language models don't

Presenting author: **Simon Jerome Han**

Simon Jerome Han: Stanford University; **Jay McClelland:** Stanford University

P3-H-73: The contributions of explanation simplicity and source expertise to evaluations of disagreeing explanations

Presenting author: **Rina Miyata Harsch**

Rina Miyata Harsch: University of Minnesota; **Panayiota Kendeou:** University of Minnesota

P3-H-74: Learning visual appearance from language is mediated by causal intuitive theories

Presenting author: **Miriam Hauptman**

Miriam Hauptman: Johns Hopkins University; **Sophia Keil:** Johns Hopkins University; **Barbara Landau:** Johns Hopkins University; **Marina Bedny:** Johns Hopkins University

P3-H-75: Bootstrapping in Geometric Puzzle Solving

Presenting author: **Neil Bramley**

Xiangying He: Department of Psychology; **Bonan Zhao:** University of Edinburgh; **Neil R. Bramley:** University of Edinburgh

P3-H-76: Social position as a constraint on linguistic alignment

Presenting author: **David Heath**

David Heath: University of Memphis; **Stephanie Huette:** University of Memphis

P3-H-77: Pareto optimality reveals the core computations of the human brain

Presenting author: **Dan Hilman Amir**

Dan Hilman Amir: The Hebrew University of Jerusalem; **Yuval Hart:** The Hebrew University of Jerusalem

P3-H-79: Exploring the Intuitive Theory of Empathy

Presenting author: **Madeleine Horner**

Madeleine Horner: University of Edinburgh; **Tadeg Quillien:** University of Edinburgh; **Adam Moore:** University of Edinburgh

P3-H-80: Prototypicality and frequency do not necessarily affect children's sentence comprehension

Presenting author: **Dong-Bo Hsu**

Dong-Bo Hsu: National Taiwan Normal University

P3-H-81: Surprisal and developmental sentence processing: exploring the role of language exposure through neural language models

Presenting author: **Kuan-Jung Huang**

Kuan-Jung Huang: University of Maryland College Park; **Roger Levy:** Massachusetts Institute of Technology; **Yi Ting Huang:** University of Maryland College Park

P3-H-82: Variation in Adults' Judgements about Relative Proportional Magnitude and Proportional Equivalence

Presenting author: **Michelle A. Hurst**

Michelle A Hurst: Rutgers University, New Brunswick; **Paige Dadika:** Rutgers University

P3-I-83: Estimating Intuitive Physical Parameters using Markov Chain Monte Carlo with People

Presenting author: **Pat Intara**

Pat Intara: New York University; **Todd M Gureckis:** New York University

P3-J-84: Children's division of cognitive labor: Evidence from Kenya and China

Presenting author: **Colin Jacobs**

Colin Jacobs: UC Berkeley; **Dhara Yu:** University of California, Berkeley; **Zhen Zhang:** Chinese Academy of Sciences; **Henriette Zeidler:** Sapienza University of Rome; **Bill Thompson:** UC Berkeley; **Jan Engelmann:** University of California, Berkeley

P3-J-86: Finding structure in logographic writing with library learning II: Grapheme, sound, and meaning systematicity

Presenting author: **Guangyuan Jiang**

Guangyuan Jiang: Massachusetts Institute of Technology; **Matthias Hofer:** MIT; **Jiayuan Mao:** Massachusetts Institute of Technology; **Lionel Wong:** Massachusetts Institute of Technology; **Joshua B. Tenenbaum:** MIT; **Roger Levy:** Massachusetts Institute of Technology



P3-J-87: Testing the Aspect Hypothesis: Relating child and caregiver verb inflection across development

Presenting author: **Michelle Johnson**

Michelle Johnson: University of Illinois at Urbana Champaign; **Jon Willits:** University of Illinois at Urbana-Champaign

P3-J-88: A Neural Network Model of Complementary Learning Systems: Pattern Separation and Completion for Continual Learning

Presenting author: **Sashank Varma**

James Jun: Georgia Institute of Technology; **Vijay Marupudi:** Georgia Institute of Technology; **Raj Sanjay Shah:** Georgia Institute of Technology; **Sashank Varma:** Georgia Tech

P3-K-89: Modeling Understanding of Story-Based Analogies Using Large Language Models

Presenting author: **Keshav Kabra, Kalit Inani**

Keshav Kabra: Georgia Institute of Technology; **Kalit Inani:** Georgia Institute of Technology; **Vijay Marupudi:** Georgia Institute of Technology; **Sashank Varma:** Georgia Tech

P3-K-90: Is AI-assisted Creativity an “Original Sin”? Lay Judgments of Qualities Justifying Copyright Protection for Artworks Derived from AI- vs. Human-generated Sources

Presenting author: **David G. Kamper**

David G. Kamper: University of California, Los Angeles; **Alice Lin:** University of California, Los Angeles; **Keith Holyoak:** University of California, Los Angeles

P3-K-91: Synthetic Data Generation with Large Language Models for Improved Depression Prediction

Presenting author: **Andrea Kang**

Andrea D Kang: University of California, Los Angeles; **Jun Yu Chen:** UCLA; **Zoe Lee-Youngzie:** University of California, Los Angeles; **Shuhao Fu:** UCLA

P3-K-93: “Can you tell I used ChatGPT?” How Perceived AI-Mediation Affects Workplace Email Persuasiveness— A Bayesian Approach

Presenting author: **Shaked Karabelnicoff**

Shaked Karabelnicoff: London School of Economics; **Jens Koed Madsen:** London School of Economics

P3-K-94: The Effects of Cognitive Load on Full-Body Gaze Control During 3D Visual Search

Presenting author: **Zachary E. Kelly**

Zachary Kelly: University of California, Riverside; **John Franchak:** University of California, Riverside

P3-K-95: Pushing people: the neural basis of social interaction perception

Presenting author: **Minjae Kim**

Minjae Kim: Johns Hopkins University; **Miriam Hauptman:** Johns Hopkins University; **Shari Liu:** Johns Hopkins University

P3-K-96: Phonetic accommodation and inhibition in a dynamic neural field model

Presenting author: **Sam Kirkham**

Sam Kirkham: Lancaster University; **Patrycja Strycharczuk:** University of Manchester; **Rob Davies:** Lancaster University; **Danielle Welburn:** Lancaster University

P3-K-97: Parents and Children Create Semantic Regularities During Naturalistic Toy Play

Presenting author: **Melina L. Knabe**

Melina Lauryn Knabe: University of Texas at Austin; **Chen Yu:** University of Texas at Austin

P3-K-98: Understanding the Impact of Metacognitive Ability on Decision-Making with Causal Diagrams

Presenting author: **Elena Korshakova**

Elena Korshakova: Stevens Institute of Technology; **Samantha Kleinberg:** Stevens Institute of Technology

P3-K-99: Exploring resource-rational planning under time pressure in online chess

Presenting author: **Ionatan Kuperwajs**

Ionatan Kuperwajs: Princeton University; **Evan Russek:** Princeton University; **Lisa Schut:** University of Oxford; **Yotam Sagiv:** New York University; **Marcelo G Mattar:** New York University; **Wei Ji Ma:** New York University; **Tom Griffiths:** Princeton University

P3-K-100: Neglect zero: evidence from priming across constructions

Presenting author: **Tomasz Klochowicz**

Tomasz Klochowicz: University of Amsterdam; **Fabian Schlotterbeck:** University of Tübingen; **Sonia Ramotowska:** University of Amsterdam; **Oliver Bott:** Bielefeld University; **Maria Aloni:** University of Amsterdam

P3-L-101: Towards a computational account of egodystonia

Presenting author: **Lucy Lai**

Lucy Lai: University of California, San Diego; **Tobias Hauser:** University of Tübingen; **Quentin Huys:** University College London

P3-L-102: Efficient compression in locomotion verbs across languages

Presenting author: **Thomas Langlois**

Thomas A Langlois: MIT; **Roger Levy:** Massachusetts Institute of Technology; **Nidhi Seethapathi:** MIT; **Noga Zaslavsky:** NYU

P3-L-103: The development of polyseme learning under uncertainty

Presenting author: **Alexander LaTourrette**

Alexander S LaTourrette: University of Southern California; **Victor Gomes:** University of Pennsylvania; **Kantinka Tangen:** University of Pennsylvania; **John Trueswell:** University of Pennsylvania



P3-L-104: How Empathy Promotes Socially Adaptive Behaviors in Interpersonal Conflicts?: An Exploratory Study on the Role of Intention Inference

Presenting author: Inju Lee

Inju Lee: Seoul National University; Sowon Hahn: Seoul National University

P3-L-105: Visual and Musical Aesthetic Preferences Across Cultures

Presenting author: Nori Jacoby

Harin Lee: Max Planck Institute for Empirical Aesthetics; Eline Van Geert: KU Leuven; Elif Çelen: Max Planck Institute for Empirical Aesthetics; Raja Marjeh: Princeton University; Pol van Rijn: Max Planck Institute for Empirical Aesthetics; Minsu Park: New York University Abu Dhabi; Nori Jacoby: Cornell University

P3-L-106: Label Similarity and Stimulus Similarity Interact in Categorization

Presenting author: Wesley Leong

Wesley Leong: University of Connecticut; Casey L Roark: University of New Hampshire; EILING YEE: University of Connecticut

P3-L-107: Dynamic Inter-brain Synchrony in Real-life Creative Problem Solving in Teams: an fNIRS-based Hyperscanning Study

Presenting author: Yuhang Li

YUHAN LI: University of Macau; Rihui Li: University of Macau

P3-L-108: The Continuity of Geometric Intuition between Monkeys and Humans

Presenting author: Jialin Li

Jialin Li: Carnegie Mellon University; Logan Brownell: Carnegie Mellon University; Emily M Sanford: University of California, Berkeley; Li Wenjie: Carnegie Mellon University; Caroline DeLong: Rochester Institute of Technology; Steven Piantadosi: UC Berkeley; Jessica Cantlon: Carnegie Mellon University

P3-L-110: Adaptation to noisy language input in real time: Evidence from ERPs

Presenting author: Jiaxuan Li

Jiaxuan Li: University of California Irvine; Alyssa Viviana Ortega: University of Wisconsin-Madison; Richard Futrell: UC Irvine; Rachel Ryskin: University of California, Merced

P3-L-111: How many factors underlie cognitive mechanics?

Presenting author: Joshua K Hartshorne

Wei Li: Boston College; Samantha Gutierrez: MGH Institute of Health Professions; Joshua K Hartshorne: MGH Institute of Health Professions

P3-L-112: Iterated LASSO reveals highly distributed and variable representations of faces, places, and objects.

Presenting author: Zihan Li

Zihan Li: University of Wisconsin-Madison; Y. Ivette Colón: University of Wisconsin - Madison; Kushin Mukherjee: University of Wisconsin-Madison; Timothy T Rogers: University of Wisconsin-Madison

P3-L-113: Perceived musicality in an android increases positive social attributions

Presenting author: Chaolan Lin

Chaolan Lin: UC San Diego; Adena Schachner: University of California, San Diego

P3-L-114: Flexible Physical Problem Solving with Strategy Acquisition and Composition

Presenting author: Jung-Chun Liu

Jung-Chun Liu: University of Michigan; Jiayuan Mao: Massachusetts Institute of Technology; Joyce Chai: University of Michigan; Joshua B. Tenenbaum: MIT

P3-L-115: When Default Options Explain Away Preferences: A Causal Reasoning Account of Mental State Reasoning from Default Options

Presenting author: Xingyu (Shirley) Liu

Xingyu (Shirley) Liu: University of California, San Diego; Adena Schachner: University of California, San Diego; Craig R. M. McKenzie: University of California, San Diego

P3-L-116: Effects of Science Fiction on Creativity: A Meta-Analysis

Presenting author: Mengsi Liu, Sachiko Kiyokawa

Mengsi Liu: The University of Tokyo; Sachiko Kiyokawa: The University of Tokyo

P3-L-117: Improving Interpersonal Communication by Simulating Audiences with Large Language Models

Presenting author: Ryan Liu

Ryan Liu: Princeton University; Howard Yen: Princeton University; Raja Marjeh: Princeton University; Tom Griffiths: Princeton University; Ranjay Krishna: University of Washington

P3-L-118: Memory reconsolidation: Exploring how to reactivate and modulate episodic memories

Presenting author: Morena López

Morena López: Universidad de Palermo; Nadia Justel: Universidad de Palermo; Maria Yunes: Universidad Juan Agustín Maza; Cecilia Forcato: Instituto Tecnológico de Buenos Aires; Veronika Diaz Abraham VDA: Facultad de Ciencias Sociales, Universidad de Palermo



P3-L-119: *Preschoolers' Use of Quantitative Math Language in Picture Descriptions Predicts Early Numeracy Skills*

Presenting author: **Michelle L. Luna**

Michelle Lynn Luna: University of Notre Dame; **Claire Guang:** University of Chicago; **Chineme Jane Otuonye:** University of Notre Dame ; **Alina Boada:** Syracuse University; **Nicole M McNeil:** University of Notre Dame

P3-L-120: *"Apples and Oranges" - Evaluating Reaction Time Measures as a Paradigm to Contrast Expert vs. Novice Performance in Complex, Dynamic Task Environments*

Presenting author: **Alexander Lutsevich**

Alexander Lutsevich: Rensselaer Polytechnic Institute

P3-M-122: *Feedback Maintains Stability in Cultural Transmission*

Presenting author: **Calen MacDonald**

Calen MacDonald: Cornell University; **Morten H Christiansen:** Cornell University

P3-M-123: *Enactment and Embodiment Impact the Recall of Object-Location Associations*

Presenting author: **Suesan MacRae**

Suesan MacRae: University of Western Ontario; **Ken McRae:** University of Western Ontario; **Stefan Kohler:** University of Western Ontario

P3-M-124: *Learning to communicate a shared wavelength*

Presenting author: **Wasita Mahaphanit**

Wasita Mahaphanit: Dartmouth College; **Benjamin Keller:** Dartmouth College; **Robert Hawkins:** Stanford University; **Jonathan Phillips:** Dartmouth College; **Luke Chang:** Dartmouth College

P3-M-125: *Early Engineering Identity: Examining Competence, Interest, and Affect*

Presenting author: **Jane B. Childers**

Rayna Bethanie Manchala: Trinity University; **Freya Sjoqvist:** Trinity University; **Rebecca Ilana Stepleman:** Trinity University; **Emma Treadway:** Trinity University; **Jane B. Childers:** Trinity University

P3-M-127: *Go Big or Go Hoax: Explanatory Scope and the Believability of Conspiracy Theories*

Presenting author: **Jessecae K. Marsh**

Jessecae K. Marsh: Lehigh University; **Samantha Kleinberg:** Stevens Institute of Technology

P3-M-128: *Overcoming Science Misconceptions: When is Refutation an Effective Tool for Knowledge Revision?*

Presenting author: **Claire Mason**

Claire E Mason: University of California, San Diego; **Emma H Geller:** University of California San Diego

P3-M-129: *Proprioceptive Recalibration by Moving Viewpoint: The Effect of Indirect Positional Information of Torso*

Presenting author: **Miki Matsumuro**

Miki Matsumuro: Honda Research Institute Japan; **Ayaka Matsushita:** Ritsumeikan University; **Naoto Akiba:** Ritsumeikan University; **Marie Michael Morita:** Ritsumeikan University; **Fumihisa Shibata:** Ritsumeikan University; **Asako Kimura:** Ritsumeikan Univ.

P3-M-130: *Neural Signatures of Semantic and Perceptual Memory Formation Become More Similar Across Development*

Presenting author: **Alexander W. D. McArthur**

Alexander W McArthur: University of Toronto; **Sagana Vijayarajah:** University of Toronto; **Margaret L Schlichting:** University of Toronto

P3-M-131: *Capturing Student's Spontaneous Knowledge Transfer Between Block and Text-Based Programming Languages*

Presenting author: **Kiley McKee**

Kiley McKee: WestEd; **Bryan Matlen:** WestEd; **Rosalind Owen:** WestEd; **Elysse Caballero:** WestEd; **Jennifer Houchins:** WestEd; **Yvonne Kao:** WestEd

P3-M-132: *U.S. adults' beliefs and explanations about health disparities*

Presenting author: **David Menendez**

David Menendez: University of California, Santa Cruz; **Danielle Labotka:** University of Michigan; **Valerie A. Umscheid:** University of Michigan; **Susan Gelman:** University of Michigan

P3-M-133: *Labels Facilitate Categorical Perception Effects during Novel Category Learning*

Presenting author: **Andrew Mertens**

Andrew J Mertens: University of Colorado at Boulder; **Eliana Colunga:** University of Colorado at Boulder; **Albert E. Kim:** University of Colorado

P3-M-134: *Cultural Variability in Baby-Schema Perception: Insights on Face Perception from Two Small-Scale Malaysian and An Urban German Community*

Presenting author: **Marie M. G. Michael**

Marie M. G. Michael: Max Planck Institute for Evolutionary Anthropology; **Daniel Benjamin Moritz Haun:** Max Planck Institute for Evolutionary Anthropology

P3-M-135: *Strategy selection in complex tasks through adaptive integration of learned and online metareasoning*

Presenting author: **Tracey Mills**

Tracey Mills: MIT; **Samuel Gershman:** Harvard University; **Joshua B. Tenenbaum:** MIT



P3-M-136: *How Habit Learning Guides Planning: A Normative View and Behavioral Evidence*

Presenting author: Maximilian Mittenbühler

Maximilian Mittenbühler: University of Tübingen; Valentin Leonard Durach: University of Tübingen; Johanna Katharina Theuer: University of Tübingen; Martin V. Butz: University of Tübingen

P3-M-137: *Order Matters: Learning semantic information before seeing a face improves face memory*

Presenting author: Da Yeoun Moon

Da Yeoun Moon: UC Los Angeles; Carolyn Parkinson: UCLA; Jesse Rissman: University of California, Los Angeles

P3-M-138: *Are people aware of biases in their judgment and decision-making? A rigorous large-scale test*

Presenting author: Noa Perlmutter

Adam Morris: Princeton University; Noa Perlmutter: University of Chicago; Sofia Montinola: Massachusetts General Hospital; Hedy Kober: University of California, Berkeley; Molly J Crockett: Yale University

P3-M-139: *Some Assembly Required: Learning Facts in Isolation Limits Inferences*

Presenting author: Benjamin Motz

Benjamin Motz: Indiana University; Anna Chinni: Indiana University; Audrey G Barriball: Indiana University Bloomington; Danielle McNamara: Arizona State University

P3-M-140: *Stereotyping as Bayesian Inference among Black Adults in the U.S.*

Presenting authors: Aymin Triki & Kenya Mulwa

Kenya W Mulwa: Michigan State University; Aymin Triki: Michigan State University

P3-N-141: *Mathematics as visual skill: Evidence from eye movements during algebraic reasoning*

Presenting author: Saloni Naik

Saloni Sameer Naik: University of California, Merced; Rachel Ryskin: University of California, Merced; Tyler Marghetis: University of California, Merced

P3-N-142: *Prioritized memory can explain the effect of value on category representation*

Presenting author: Linas Nasvytis

Linas Nasvytis: Stanford University; Joshua Knobe: Yale University; Fiery Cushman: Harvard University

P3-N-143: *A Time-Aware Mental State Space for Multimodal Depression Detection on Social Media*

Presenting author: Quang Vinh Nguyen

Quang Vinh Nguyen: Viettel Post; Dong Thanh Nguyen: FPT Software Quy Nhon; Duc Duy Nguyen Mr: Hanoi University of Science and Technology; Doan Khai Ta: Hanoi University of Science and Technology; Hai Binh Nguyen: Viettel Post; Ji-eun Shin: Chonnam National University; Seungwon Kim: Chonnam National University; Hyung-Jeong Yang: Chonnam National University; Soo-Hyung Kim: Chonnam National University

P3-N-144: *Does Hand Constraint Affect Visual Roughness Perception?*

Presenting author: Haruka Niwa

Haruka Niwa: Osaka Metropolitan University; Takuma Hashimoto: Osaka Metropolitan University; Shogo Makioka: Osaka Metropolitan University

P3-N-145: *Willingness for social sharing of emotion with conversational AI and humans in mediated communication: A comparison across different interfaces and motives*

Presenting author: Yuki Nozaki

Yuki Nozaki: Konan University

P3-O-146: *Negation as a tool for conveying mental models*

Presenting author: Kathryn C. O'Neill

Kathryn O'Neill: Dartmouth College; Jonathan Phillips: Dartmouth College; Emma Templeton: Dartmouth College; Thalia Wheatley: Dartmouth College; Kiara Sanchez: Dartmouth College; Emily S. Finn: Dartmouth College

P3-O-147: *Can automated vocal analyses over child-centered audio recordings be used to predict speech-language development?*

Presenting author: Carissa Ott

Carissa Mercedes Ott: University of California, Los Angeles; Margaret Cychosz: UCLA

P3-O-148: *Conceptual Analysis of Analogical Transfer in Common Programming Languages*

Presenting author: Rosalind Owen

Rosalind Owen: WestEd; Jennifer Houchins: WestEd; Bryan Matlen: WestEd; Elysse Caballero: WestEd; Kiley McKee: WestEd; Yvonne Kao: WestEd

P3-O-149: *Referential Form, Word Order, and Implicit Causality in Turkish Emotion Verbs*

Presenting author: Ebru Evcen, Joshua Hartshorne

Duygu Ozge: Middle East Technical University; Ebru Evcen: University of California San Diego; Joshua K Hartshorne: MGH Institute of Health Professions



P3-P-150: *Reconceptualizing Knowledge: Evaluating the Ontological Complexity and Emergence of Knowledge in Cognitive Systems*

Presenting author: **Kiran Pala**

Kiran Pala: University of Eastern Finland

P3-P-151: *The Vigor of Punishment: Control of Movement Vigor in Social Decision-Making*

Presenting author: **Oriana Pansardi**

Oriana Pansardi: University Medical Center Hamburg-Eppendorf; **Andrea Cavallo:** University of Turin; **Giacomo Turri:** Istituto Italiano di Tecnologia; **Stefano Panzeri:** University Medical Center Hamburg Eppendorf; **Alan Sanfey:** Radboud University; **Prof. Cristina Becchio:** University Medical Center Hamburg-Eppendorf

P3-P-152: *Intuitions about prosocial backfiring: Four to seven-year olds' understanding of when helping might cause offense*

Presenting author: **Kiera Parece**

Kiera Parece: MIT; **Tomer D. Ullman:** Harvard University; **Laura Schulz:** Massachusetts Institute of Technology

P3-P-153: *Automatic Detection of Phonestheme-like features in Japanese – Insights for Cognitive Sound Symbolism Research*

Presenting author: **Thomas “Raz” Parker**

Thomas Parker: San Francisco State University

P3-P-154: *Parental Broad Autism Phenotype Traits and Their Influence on Early Social Interaction and Attention*

Presenting author: **Elizabeth Perkovich**

Elizabeth Perkovich: University of Houston; **Hanako Yoshida:** University of Houston

P3-P-155: *Base Rate Neglect in Linguistic Category Learning*

Presenting author: **Katya Pertsova**

Katya Pertsova: University of North Carolina, Chapel Hill; **Elliott Moreton:** UNC, Chapel Hill; **Josh Fennell:** Fizz Studio; **Brandon Prickett:** UMass

P3-P-156: *Validating Predictive Models of Extreme Expertise in Complex Cognitive-Motor Skills*

Presenting author: **Noah Phillips**

Noah Phillips: Rensselaer Polytechnic Institute; **Chris R. Sims:** Rensselaer Polytechnic Institute

P3-P-157: *Smartphone and Cognitive Processes: an experimental study on the Brain Drain effect*

Presenting author: **Stefano Pileggi**

Stefano Pileggi: Department of Life Sciences, University of Trieste; **Claudia Virginia Manara:** University of Trieste; **serena mingolo:** Department of Physics, University of Calabria ; **Tiziano Agostini:** University of Trieste; **Fabrizio Sors:** Department of Life Sciences, University of Trieste; **Mauro Murgia:** University of Trieste

P3-P-158: *Do People Value Plants Over Non-Living Entities? Moral Considerations in Adults and Young Children*

Presenting author: **Lizette Pizza**

Lizette Pizza: Harvard University; **Ashley J Thomas:** Harvard University

P3-P-160: *INTUIT: Investigating intuitive reasoning in humans and language models*

Presenting author: **Jonathan Prunty**

Jonathan Prunty: University of Cambridge; **Aoife O'Flynn:** University of Cambridge; **Patrick Quinn:** University of Cambridge; **Lucy G Cheke:** University of Cambridge

P3-Q-162: *Decoding EEG Signals to Explore Next-Word Predictability in the Human Brain*

Presenting author: **Boi Mai Quach**

Mai-Boi Quach: Dublin City University; **Thanh-Binh Nguyen:** University of Science & Vietnam National University Ho Chi Minh City; **Cathal Gurrin:** Dublin City University; **Graham Healy:** Dublin City University

P3-R-163: *Judging the Judges: Displacing and Inverting the Turing test to Investigate the Interrogator*

Presenting author: **Ishika Rath**

Ishika Rath: UC San Diego; **Benjamin Bergen:** UC San Diego; **Cameron R Jones:** UC San Diego

P3-R-164: *How well do models of cross-situational word learning account for the learning of ambiguous words?*

Presenting author: **Sophie Regan**

Sophie Regan: University of California, Berkeley; **Isabelle Dautriche:** Aix-Marseille University, CNRS; **Mahesh Srinivasan:** UC Berkeley

P3-R-165: *Children's Expectations of Emotional Intimacy in Close Relationships*

Presenting author: **Megan Richardson**

Megan Richardson: Harvard University; **Ashley J Thomas:** Harvard University

P3-R-167: *Degree of bilingualism and cognitive neural processing in adults*

Presenting author: **Nancy E. Rodas De León**

Nancy E Rodas De León: University of California Merced; **Heather Bortfeld:** University of California, Merced; **Kristina Backer:** University of California, Merced

P3-R-168: *Can reasoning make you humble? Experimental tests to improve intellectual humility*

Presenting author: **Federica Ruzzante**

Federica Ruzzante: IMT School for Advanced Studies Lucca; **Isotta Nuti Budini Gattai:** IMT School for Advanced Studies Lucca; **Luca Fracella:** Maastricht University; **Folco Panizza:** IMT School for Advanced Studies Lucca; **Gustavo Cevolani:** IMT School for Advanced Studies Lucca



P3-S-169: Relationship between comprehension and blink synchronization

Presenting author: Koki Saito

Koki Saito: BIPROGY Inc.; Makoto Enomoto: BIPROGY Inc.; Haruhito Zenio: BIPROGY Inc.; Takayuki Hoshino: BIPROGY Inc.; Eiji Takahashi: BIPROGY Inc.

P3-S-170: How Infant-Like, Embodied Visual Experiences Can Support Generalization to In-The-Wild Images: Insights from Domain Adaptation

Presenting author: Deepayan Sanyal

Deepayan Sanyal: Vanderbilt University; Joel Michelson: Vanderbilt University; Maithilee Kunda: Vanderbilt University

P3-S-171: Learning imposes a bottleneck beyond anatomical constraints: a computational investigation into the nature of WM capacity limits

Presenting author: Aalok Sathe

Aalok Sathe: Brown University; Ellie Pavlick: Brown University; Michael J. Frank: Brown University

P3-S-172: Temporal-Difference Learning in Uncertain Choice: A Reinforcement Learning-Diffusion Decision Model of Two-Stage Decision-Making

Presenting author: Nicola Schneider

Nicola Schneider: Heidelberg University; Andreas Voss: Heidelberg University

P3-S-174: Does Explicit Analogical Reasoning Help Second Language Acquisition? Evidence From Artificial Language Learning

Presenting author: Liantao Shan

Liantao Shan: University of California, Merced; Tyler Marghetis: University of California, Merced; Zenaida Aguirre-Munoz PhD: UC Merced

P3-S-175: Bright shiny garbage: Video content shown to low-income children is characterized by higher flicker

Presenting author: Sarah Stolp Shepherd

Sarah Stolp Shepherd: University of California, Berkeley; Huiwen Alex Yang: University of California, Berkeley; Celeste Kidd: University of California, Berkeley

P3-S-176: The Dynamics of Collective Creativity in Human-AI Hybrid Societies

Presenting author: Shota Shiiku

Shota Shiiku: Shizuoka University; Raja Marjeh: Princeton University; Manuel Anglada-Tort: Goldsmiths, University of London; Nori Jacoby: Cornell University

P3-S-177: Method for Quantification of the Process of Collaborative Creativity: Visualization of the Dynamics by C2RQA

Presenting author: Daichi Shimizu

Daichi Shimizu: Graduate School of Human Development and Environment; Takeshi Okada: The University of Tokyo

P3-S-178: Mental models of fluids in solid body rotation: students' reasoning about fluid processes modeled during oceanography and atmospheric science instruction

Presenting author: Peggy Mansfield-McNeal

Thomas Shipley: Temple University; Peggy Mansfield-McNeal: Towson University

P3-S-180: Learning Efficient Recursive Numeral Systems via Reinforcement Learning

Presenting author: Andrea Silvi

Andrea Silvi: Chalmers University of Technology; Jonathan Thomas: Chalmers University of Technology; Emil Carlsson: Chalmers University of Technology; Devdatt Dubhashi: Chalmers University of Technology; Moa Johansson: Chalmers University of Technology

P3-S-181: Individual Differences in the Functional Role of Arousal Synchrony on Empathy

Presenting author: Alexia Toskos Dils

Connor William Gaston Smith: Purchase College, SUNY; Darcy Oliver Culliton: SUNY Purchase; Alexia Toskos Dils: Purchase College, SUNY

P3-S-182: The functional view of intuitive etymological explanations

Presenting authors: Stella Sommer & Sammy Floyd

Stella Sommer: Sarah Lawrence College; Sammy Floyd: Sarah Lawrence College

P3-S-183: A Quantum Statistical Model of Decision Making in a Single-Cell Eukaryote

Presenting author: Jad Soucar

Jad Soucar: University of Southern California; Francis Steen: University of California

P3-S-185: Speaker knowledge modulates the effects of generic language on essentialist beliefs

Presenting author: Jessica Stephenson

Jessica Stephenson: New York University; Megan E Moran: New York University; Sarah-jane Leslie: Princeton University; Marjorie Rhodes: New York University

P3-S-186: Reading skill affects reading saccades well into late childhood

Presenting author: Jessica L. Montag

Anastasia A Stoops: University of Illinois at Urbana-Champaign; Jessica L Montag: University of Illinois, Champaign-Urbana

P3-S-187: Evolution on the Lexical Workbench: Disentangling Frequency, Centrality, and Polysemy in Language Evolution

Presenting author: Zach Studdiford

Zach Studdiford: University of Wisconsin-Madison; Qiawen Liu: University of Wisconsin-Madison; Ying Li: Chinese Academy of Sciences; Zhengjun Zhang: University of Wisconsin-Madison; Gary Lupyan: University of Wisconsin-Madison



P3-S-188: *Learning a Doubly-Exponential Number of Concepts From Few Examples*

Presenting author: **Ilia Sucholutsky**

Ilia Sucholutsky: NYU; **Bonan Zhao**: University of Edinburgh; **Hee Seung Hwang**: Princeton University; **Allison Chen**: Princeton University; **Olga Russakovsky**: Princeton University; **Tom Griffiths**: Princeton University

P3-S-189: *Probing Mechanical Reasoning in Large Vision Language Models*

Presenting author: **Dezhi Luo**

Haoran Sun: Johns Hopkins University; **Yijiang Li**: Electrical and computer engineering; **Qingying Gao**: Computer Science; **Haiyun Lyu**: University of North Carolina at Chapel Hill; **Dezhi Luo**: University of Michigan; **Hokin Deng**: Harvard University

P3-S-190: *Preparing a learner for an independent future*

Presenting author: **Divya Sundar**

Divya Sundar: UC Berkeley; **Kartik Chandra**: MIT; **Max Kleiman-Weiner**: University of Washington

P3-T-191: *A Crosslinguistic Investigation on the Correlation between Functional Load of Tone and Tone-Melody Correspondence*

Presenting author: **Natsumi Taniguchi**

Natsumi Taniguchi: University of Southern California

P3-T-192: *Physical reasoning during motor learning aids people in transferring mass, but not motor control mappings*

Presenting author: **Fabian Tatai**

Fabian Tatai: Technical University of Darmstadt; **Dominik Ürum**: Centre for Cognitive Science, Technical University of Darmstadt; **Maria K Eckstein**: Foundational Research Unit, Google Deepmind; **Constantin Rothkopf**: Technical University Darmstadt

P3-T-193: *Additive Analogies Reveal Compositional Structure in Neural Network Weights*

Presenting author: **Abi Tenenbaum**

Abi Tenenbaum: Yale University; **R. Thomas McCoy**: Yale University

P3-T-194: *Novel Goal Creation and Evaluation in Open-Ended Games*

Presenting author: **Graham Todd**

Graham Todd: New York University Tandon; **Junyi Chu**: Stanford University; **Guy Davidson**: New York University; **Weijia Xu**: Microsoft Research

P3-T-195: *Through Thick and Thin: People Think Family Will and Ought to Reconcile*

Presenting author: **Rodney Tompkins**

Rodney Tompkins: University of California, San Diego; **Chuyi Yang**: University of California, Santa Barbara; **Katie Vasquez**: University of Chicago

P3-T-196: *Comparing Navigation in Immersive and Desktop VR Environments*

Presenting author: **Alexis Topete**

Alexis Topete: University of California, Santa Barbara; **Tikal Catena**: University of California, Santa Barbara; **Mary Hegarty**: University of California, Santa Barbara

P3-T-197: *FutureVision: A methodology for the investigation of future cognition*

Presenting authors: **Mark Turner**, **Tiago Timponi Torrent**

Tiago Torrent: Federal University of Juiz de Fora; **Mark Turner**: Case Western Reserve University; **Nicolás Hinrichs**: Max Planck Institute for Human Cognitive and Brain Sciences; **Frederico Belcavello**: Federal University of Juiz de Fora; **Igor Lourenço**: Federal University of Uberlândia; **Marcelo Viridiano**: Federal University of Juiz de Fora; **Arthur Lorenzi**: Federal University of Juiz de Fora; **Ely Edison Silva Matos**: Federal University of Juiz de Fora

P3-T-198: *Human Learning of Non-Markov Structures*

Presenting author: **Juliana E. Trach**

Juliana E. Trach: Yale University; **David Carcamo**: Yale University; **Samuel David McDougle**: Yale University; **Christopher W Lynn**: Yale University

P3-T-199: *Age-related differences in processing event knowledge during real-time language comprehension*

Presenting author: **Melissa Troyer**

Melissa Troyer: University of Nevada Las Vegas; **Rachel Myers**: University of Illinois at Urbana-Champaign; **Kara D. Federmeier**: University of Illinois

P3-T-200: *Neural basis of individual differences in tonal effects on perceived duration*

Presenting author: **Alan Yu**

Tzu-Yun Tung: University of Chicago; **Alan Yu**: University of Chicago

P3-V-201: *Spatial and Math Anxiety Differentially Predict Spatial and Math Performance*

Presenting author: **Angela Valadez**

Angela Valadez: California State University, Los Angeles; **Jessica Vega**: California State University, Los Angeles; **Corinne Bower**: California State University, Los Angeles

P3-V-202: *Linguistic encoding and blue shade discrimination: Insights from 80 languages*

Presenting author: **Samuel Mehr**

Norbert Vanek: University of Auckland; **Courtney B Hilton**: University of Auckland; **Štěpán Matějka**: Charles University; **Samuel Mehr**: University of Auckland

P3-V-203: *Measuring and predicting variation in the difficulty of questions about data visualizations*

Presenting author: **Arnav Verma**

Arnav Verma: Stanford University; **Judith E. Fan**: Stanford University



P3-V-204: Spatial Terms in English Plus Twelve Languages: Evidence for Functional and Geometric Classes

Presenting author: **Peter Viechnicki**

Peter Viechnicki: Johns Hopkins University; **Zandi Eberstadt:** Johns Hopkins University; **Barbara Landau:** Johns Hopkins University

P3-V-205: How the Systematicity of Relational Language Affects the Learning of a Compositional System via Changing Attention

Presenting author: **Lucile Vleugels**

Lucile Vleugels: University of Colorado, Boulder; **Lei Yuan:** University of Colorado, Boulder

P3-W-208: Effective connectivity analysis in children: exploring the impact of the dorsal and ventral part of inferior frontal gyrus on phonological and orthographic processing

Presenting author: **Jiuru Wang**

Jiuru Wang: Vanderbilt University; **Neelima Wagley:** Arizona State University; **Dr. James Booth:** Vanderbilt University

P3-W-209: An Effective Strategy to Reduce Interference: Effects of Unitization on the Development of Memory Binding

Presenting author: **Jiangmeng Wang**

Jiangmeng Wang: Ohio State University; **Vladimir Sloutsky:** The Ohio State University

P3-W-211: Artificial Neural Networks Reveal a Cognitive Continuum Toward Human Abstraction

Presenting author: **Li Wenjie**

Li Wenjie: Carnegie Mellon University; **Margaret Henderson:** Carnegie Mellon University; **Yonatan Bisk:** Carnegie Mellon University; **Jessica Cantlon:** Carnegie Mellon

P3-W-212: Increasing effective charitable giving with personalized LLM conversations

Presenting author: **Joshua P White**

Joshua P White: Massachusetts Institute of Technology; **Carter Allen:** University of California; **Lucius Caviola:** University of Oxford; **Thomas Costello:** American University; **David Rand:** MIT

P3-W-213: Flexibly biased learning rates in social learning

Presenting author: **Alexandra Witt**

Alexandra Witt: University of Tübingen; **Stefano Palminteri:** École normale supérieure; **Charley M Wu:** University of Tübingen

P3-W-214: Infants' understanding of rates and probability matching in a foraging task

Presenting author: **Alyson Wong**

Alyson Wong: University of California, Berkeley; **Fei Xu:** University of California, Berkeley

P3-W-215: Action Slips: The Effects of Devaluation and Amount of Training

Presenting author: **Dr Katie Wood**

Katie Wood: University of Plymouth; **Professor Chris Mitchell:** University of Plymouth

P3-W-216: Reverse Law of Effect in Sequential Parlay Gambling

Presenting author: **Xu-Yang Zhang**

Yankun Wu: Peking University Sixth Hospital; **Xu-Yang Zhang:** Peking University; **Hang Zhang:** Peking University; **Yunai Su:** Peking University Sixth Hospital; **TianMei Si:** Peking University Sixth Hospital

P3-X-217: Is there a strategy switch cost when switching strategies within one task?

Presenting author: **Xinyu Xie**

Xinyu Xie: Mississippi State University; **Jarrod Moss:** Mississippi State University

P3-X-218: Humans Learn to Weight Evidence Unevenly Over Time

Presenting author: **Hua-Dong Xiong**

Hua-Dong Xiong: Georgia Institute of Technology; **JIAN LI:** University of California San Diego; **Marcelo G Mattar:** New York University; **Robert Wilson:** Georgia Tech

P3-X-219: Understanding Visual Representation of Linear Models: A Comparison of Real Students and ChatGPT

Presenting author: **Alice Xu**

Alice Xu: University of California, Los Angeles; **Ji Son:** Cal State University, Los Angeles; **James Stigler:** University of California, Los Angeles

P3-X-220: The dimensionality of individual differences in perceptual decision making

Presenting author: **Jingming Xue**

Jingming Xue: Georgia Institute of Technology; **Robert Wilson:** Georgia Tech

P3-Y-221: Children's expectations of paternalistic helping

Presenting author: **Chuyi Yang**

Chuyi Yang: University of California, Santa Barbara; **Zoe Liberman:** University of California, Santa Barbara

P3-Y-222: An EEG study of forming new phonemic categories by naive listeners of Mandarin

Presenting author: **Needle de Carvalho Wang**

Chung-Lin Yang: University of Rochester; **Needle de Carvalho Wang:** University of Rochester; **Luoyi Yang:** University of Rochester; **Yuehan Zhang:** University of Rochester; **Ruitong Jiang:** Carnegie Mellon University; **Joyce McDonough:** University of Rochester



P3-Y-223: Recognizing Voices: Do Listeners Rely on Specific Exemplars or Summary Statistics?

Presenting authors: **Qiyang Ye**, **Xin Xie**

Qiyang Ye: University of California, Irvine; **Xin Xie**: University of California, Irvine

P3-Y-224: Children use both controllability and variability for generalization

Presenting author: **Eunice Yiu**

Eunice Yiu: UC Berkeley; **Anisa Noor Majhi**: UC Berkeley; **Shiry Ginosar**: Toyota Technological Institute at Chicago; **Kelsey R Allen**: University of British Columbia; **Alison Gopnik**: UC Berkeley

P3-Y-226: Adaptive use of vagueness to coordinate joint action

Presenting author: **Dhara Yu**

Dhara Yu: University of California, Berkeley; **Bill Thompson**: University of California, Berkeley

P3-Y-227: Development and Utilization of a Continuous-Space Description of Paintings

Presenting author: **Ezgi Melisa Yuksel**

Ezgi Melisa Yuksel: University of Wisconsin-Madison; **C. Shawn Green**: University of Wisconsin-Madison; **Haley Vlach**: University of Wisconsin-Madison

P3-Z-228: Prosodic and other paralinguistic features of speech differ across social contexts and roles

Presenting author: **Qingzhi Ruby Zeng**

Qingzhi Ruby Zeng: University of Rochester; **Tamar Galvin**: University of Rochester; **Elise A. Piazza**: University of Rochester

P3-Z-229: Linking Strategies to Think Aloud in A Stochastic Learning Task

Presenting author: **Zhenlong Zhang**

Zhenlong Zhang: John Hopkins University; **Hanbo Xie**: Georgia Institute of Technology; **Travis E Baker**: Rutgers University; **Megan Peters**: University of California Irvine; **Robert Wilson**: Georgia Tech

P3-Z-230: Mechanisms of Embodied Learning for Learners with Different Prior Knowledge

Presenting author: **Icy(Yunyi) Zhang**

Icy(Yunyi) Zhang: University of Wisconsin-Madison; **Rui Gao**: University of Wisconsin-Madison; **Yinqiu He**: University of Wisconsin-Madison

P3-Z-231: Toward Human-AI Co-Evolution: Integrated Learning Framework and Critical Self-Regulation Mechanisms

Presenting author: **Long Zhang**

Long Zhang: Faculty of Education, the University of Hong Kong

P3-Z-232: Sparse coding generates efficient representations for autoassociative memories

Presenting author: **Yazhou Zhao**

Yazhou Zhao: New York University; **Zeyu Yun**: UC Berkeley; **Bruno Olshausen**: UC Berkeley; **Christopher Kymn**: UC Berkeley

P3-Z-234: Striking the Right Chord Between Reuse and Improvisation: Melody Learning as Resource-Rational Program Induction

Presenting author: **Hanqi Zhou**

Hanqi Zhou: University of Tübingen; **David G. Nagy**: University of Tübingen; **Peter Dayan**: Max Planck Institute for Biological Cybernetics; **Charley M Wu**: University of Tübingen

P3-Z-235: Abstract Over Item-Specific Information: Statistical Learning Optimizes Memory Representations

Presenting author: **Mei ZHOU**

Mei Zhou: The University of Hong Kong; **Shelley Xiuli Tong**: The University of Hong Kong

P3-Z-236: Young children can use counterfactual simulation to reason about task performance

Presenting author: **Peter Zhu**

Peter Zhu: Stanford University; **Chloe R Chang**: Stanford University; **Tobias Gerstenberg**: Stanford University; **Hyowon Gweon**: Stanford University

P3-Z-237: Tracing interactions between crosslinguistic differences and flavour perception

Presenting author: **Ziyi Zhuang**

Ziyi Zhuang: University of Auckland; **Danae Larsen**: University of Auckland; **Norbert Vanek**: University of Auckland

P3-Z-238: Children's Reasoning about Third-Party Intervention in Peer Relationship Context

Presenting author: **Yufei Zong**

Yufei Zong: Institute of Psychology, Chinese Academy of Sciences; **Yan Wang**: East China Normal University; **Zhen Zhang**: Chinese Academy of Sciences

P3-G-239: The Role of Context Gating in Predictive Sentence Processing

Presenting author: **Yasemin Gokcen**

Yasemin Gokcen: University of California, Merced; **David C. Noelle**: University of California, Merced; **Rachel Ryskin**: University of California, Merced

P3-W-240: Communicative efficiency of distributional and semantically-based core vocabularies in narrative text comprehension

Presenting author: **Andrew Wang**

Andrew Wang: The University of Melbourne; **Simon De Deyne**: University of Melbourne; **Meredith McKague**: University of Melbourne; **Andrew Perfors**: University of Melbourne



P3-S-241: When Bayesians take over: A computational model of parental intervention

Presenting author: **Max Kleiman-Weiner**

Reut Shachnai: Yale University; **Max Kleiman-Weiner:** University of Washington; **Marlene Berke:** Yale University; **Julia Anne Leonard:** Yale University

P3-D-242: Gaze Patterns during Map Reading as Predictors of Route Learning

Presenting author: **Hatice Dedetas Satir**

Hatice Dedetas Satir: University of Mannheim; **Benedict C. O. F. Fehringer:** University of Mannheim; **Stefan Münzer:** University of Mannheim

P3-B-243: Core knowledge influences explanatory reasoning in children and infants

Presenting author: **Sally Berson**

Sally Berson: Johns Hopkins University; **Lisa Feigenson:** Johns Hopkins University

P3-D-244: Dendrophilia versus continuity in hierarchical reasoning

Presenting author: **Abhishek Dedhe**

Abhishek Dedhe: Carnegie Mellon University; **Karishma Nicole Kulshrestha:** Carnegie Mellon University; **Soham Kulkarni:** Troy High School; **Steven Piantadosi:** UC Berkeley; **Jessica Cantlon:** Carnegie Mellon

P3-P-245: Rethinking Rumination: A Decision-Theoretic Approach Without Negativity Bias

Presenting author: **Michael Payton**

Michael Payton: University of Wisconsin Madison; **Mary Vitello:** UCLA; **Joseph Larry Austerweil:** University of Wisconsin - Madison

P3-H-246: VisChatter: Enhance Synchronous Collaboration on Data Visualization Dashboard with Visual Annotations

Presenting author: **Songwen Hu**

Songwen Hu: Georgia Institute of Technology; **Tong Yu:** Adobe Research; **Sungchul Kim:** Adobe Research; **Ryan Rossi:** Adobe Research; **Cindy Xiong Bearfield:** Georgia Tech

P3-A-247: "Did I really do that?!" Unexpected outcomes of children's own actions as a driver of learning and exploration

Presenting author: **Adani B Abutto**

Adani B Abutto: Stanford University; **Hyowon Gweon:** Stanford University

P3-S-248: Parents underestimate young children's abilities which may undermine their parenting practices

Presenting author: **Arielle Belluck**

Reut Shachnai: Yale University; **Arielle Belluck:** Princeton University; **Julia Anne Leonard:** Yale University

P3-M-249: Testing the role of working memory and domain-general skills in fraction comparisons

Presenting author: **Cheyenne Paw**

Cheyenne Paw: University of California, Berkeley; **Emily Moberley:** University of California, Berkeley; **Katie Torres:** University of California, Berkeley; **Ayanna B Lee:** University of California, Berkeley; **Josh Medrano:** University of California, Berkeley; **Dana Miller-Cotto:** University of California, Berkeley

P3-M-250: Understanding working memory as a facilitator of math learning: Offloading as a potential strategy

Presenting author: **Ayanna Lee**

Ayanna B Lee: UC Berkeley; **Katie Torres:** University of California, Berkeley; **Emily Moberley:** University of California, Berkeley; **Cheyenne Paw:** University of California, Berkeley; **Josh Medrano:** University of California, Berkeley; **Dana Miller-Cotto:** University of California, Berkeley



VIRTUAL POSTERS:

VIRTUAL POSTER SESSION 1:

THURSDAY, JULY 31

Session time: 12:00pm – 1:00pm PDT

VIRTUAL POSTER SESSION 2:

THURSDAY, JULY 31

Session time: midnight – 1:00am PDT

VIRTUAL POSTER SESSION 3:

FRIDAY, AUGUST 1

Session time: 12:00pm – 1:00pm PDT

VIRTUAL POSTER SESSION 4:

FRIDAY, AUGUST 1

Session time: midnight – 1:00am PDT

VIRTUAL POSTER SESSION 5:

SATURDAY, AUGUST 2

Session time: 12:00pm – 1:00pm PDT

VIRTUAL POSTER SESSION 1:

THURSDAY, JULY 31

Session time: 12:00pm – 1:00pm PDT

V1-A-1: *Iconic Meanings Are Learned Earlier: Homophones Provide Insight on Iconicity's Role in the Acquisition of Words*

Presenting author: **Laura S. Aguanno**

Laura S. Aguanno: Carleton University; **David M Sidhu:** Carleton University

V1-A-2: *Learning telic-controllable state representations*

Presenting author: **Nadav Amir**

Nadav Amir: Princeton University; **Stas Tiomkin:** Texas Tech University

V1-A-3: *Numbers and counting: Silent gesture and artificial language learning do not always reflect typological patterns*

Presenting author: **Gregory Antono**

Gregory Antono: University of Toronto; **Ashley Yim:** University of Toronto ; **Craig Chambers:** University of Toronto; **Daphna Heller:** University of Toronto

V1-A-4: *Multi-Option Polarization: How Deliberating More Options Both Increases and Decreases Polarization*

Presenting author: **Leon Assaad**

Leon Assaad: Ludwig-Maximilians-Universität München

V1-B-5: *Investigating the Relationship Between Rumination and Executive Functions: The case of Inhibition and Switching*

Presenting author: **Georgios Boulouzos**

Georgios Boulouzos: Deree - The American College of Greece; **Ioanna Spentza:** The American College of Greece; **Chrysanthi Nega:** The American College of Greece

V1-B-6: *Resolving the Ambiguity of “In” and “On” Across Spatial and Abstract Contexts*

Presenting author: **Brooke O. Breaux**

Brooke O. Breaux: University of Louisiana at Lafayette; **Ava Allam:** University of California, Los Angeles; **Tranace Alexander L. :** University of Louisiana at Lafayette; **Ashton Ortego:** University of Louisiana at Lafayette

V1-C-8: *Emerging Morphosyntactic Prediction in Early Childhood: A Visual Tracking Study*

Presenting author: **Alejandra Mitzi Castellón-Flores**

Alejandra Mitzi Castellón-Flores: Universidad Nacional Autónoma de México; **Armando Q Angulo-Chavira:** Universidad Nacional Autónoma de México; **Natalia Arias-Trejo:** Universidad Nacional Autónoma de Mexico, UNAM

V1-C-9: *Overconfidence as Truth Approximation*

Presenting author: **Davide Coraci**

Gustavo Cevolani: IMT School for Advanced Studies Lucca; **Davide Coraci:** IMT School for Advanced Studies Lucca

V1-C-10: *Beyond Interpolation: Enhancing Large Language Models (LLMs) with Mental Models*

Presenting author: **Salomé COJEAN**

Salomé Cojean: Univ. Grenoble Alpes; **Nicolas Martin:** LIG; **Petra Galuscakova:** University of Stavanger

V1-C-11: *Mutual Exclusivity in Noun and Verb Learning in Adults*

Presenting author: **Panpan Cui**

Panpan Cui: New York University; **Sudha Arunachalam:** New York University

V1-D-12: *Mapping Communication Disruption in Traumatic Brain Injury with Transformer Embeddings*

Presenting author: **Rick Dale**

Rick Dale: University of California, Los Angeles; **Zachary P Rosen:** University of California, Los Angeles

V1-D-13: *Interactive Dynamics with Concepts Varying in Abstractness and Vagueness*

Presenting author: **Chiara De Livio**

Chiara De Livio: Sapienza University of Rome; **Claudia Mazzuca:** Sapienza University of Rome; **Viola Chillura:** Sapienza University of Rome; **valerio sperati:** Institute of Cognitive Sciences and Technologies, National Research Council of Italy (ISTC-CNR); **Ann**



V1-D-14: Which mindreading for ostensive communication? An Event-Related Potentials (ERPs) study of how the brain processes communicative and informative intentions

Presenting author: **Angelo Delliponti**

Angelo Delliponti: Nicolaus Copernicus University; **Francesco Ferretti:** Roma Tre University; **Valentina Deriu:** Roma Tre University; **Alessandra Chiera:** Roma Tre University; **Daniela Altavilla:** Roma Tre University; **Serena Nicchiarelli:** Roma Tre University; **Sla**

V1-D-15: The detection of configuration and identity changes of object arrays in infancy

Presenting author: **Mariem Diané**

Mariem Diané: Central European University ; **Jonathan F. Kominsky:** Central European University; **Gergely Csibra:** Central European University

V1-D-16: Lesion Network Mapping of Cotard's Delusion: Unique and Shared Neural Circuits in Nihilistic Delusions, Misidentification Delusions, and Altered Consciousness

Presenting author: **Mengyuan Ding**

Mengyuan Ding: Brigham and Women's Hospital; **Morgan Healey:** Brigham and Women's Hospital; **Yaser Sánchez Gama:** Brigham and Women's Hospital ; **Erik Asp:** University of Iowa; **Michael Ferguson:** Brigham and Women's Hospital

V1-D-17: Exploring Neural Synchronization with EEG Using Fractal Animations

Presenting author: **Sarshar Dorosti**

Sarshar Dorosti: Ulster University; **Mohsen Shabani:** Institute for cognitive and brain sciences

V1-F-18: An Explorative Investigation into Leveraging LLMs to Predict University Students' Learning Motivation

Presenting author: **Yu Feng**

Yu Feng: University of Minho; **Tongyu Zhao:** University of Minho; **Yatong Zu:** Jilin University; **Adriano Tavares:** University of Minho; **Tiago Gomes:** University of Minho; **Hao Xu:** Jilin University

V1-F-19: Do infants prefer owners over thieves?

Presenting author: **Erik K. Fonn**

Erik K. Fonn: University of Oslo; **Joakim Haugane Zahl:** University of Oslo; **Lotte Thomsen:** University of Oslo

V1-G-20: Anxiety Impacts Reinforcement Learning Subprocesses In a Choose-Your-Own-Adventure Text-Based Game

Presenting author: **Andra Geana**

Andra Geana: Providence College; **TESSA MEDEIROS:** Providence College

V1-H-21: Flooding the Zone: An Agent-based Exploration

Presenting author: **Klee Schöppel**

Ulrike Hahn: Birkbeck, University of London; **Leon Assaad:** LMU Munich; **Klee Schöppel:** University of Groningen

V1-H-22: Scope Interpretation: Evidence from Human and Large Language Models

Presenting author: **Jacky He**

Jacky He: Cornell University; **Shaohua Fang:** Purdue University

V1-H-23: The Language of Doubt Impacts Consensus Judgements

Presenting author: **Joshua Hew**

Joshua Hew: University of Edinburgh; **Joshua Rottman:** Franklin and Marshall College ; **Zachary Horne:** University of Edinburgh

V1-H-24: CoEmo: Modeling Cognitive Processes in Facial Expression Recognition through Action Units and Gender Perspectives

Presenting author: **Shangjing Huang**

Shangjing Huang: East China Normal University; **Xiaoxue Gao:** East China Normal University; **Jing Wang:** East China Normal University; **Yuankun Fang:** East China Normal University; **Jiani Zhang:** East China Normal University; **Shiwei Qiu:** East China Normal University

V1-K-25: Is the Past a Different Culture? Tracking Changes in Prosodic Features of Child-Directed Broadcasting Across Six Decades

Presenting author: **Vera Kempe**

Vera Kempe: Abertay University; **Christopher Donnan Gravelle:** CUNY; **Stina Perschke:** Abertay University; **Glenn P. Williams:** Northumbria University; **Sonja Schaeffler:** Queen Margaret University

V1-K-26: Towards Cognitive Synergy in LLM-Based Multi-Agent Systems: Integrating Theory of Mind and Critical Evaluation

Presenting author: **Adam Kostka**

Adam Tomasz Kostka: Warsaw University of Technology; **Jarosław A. Chudziak:** Warsaw University of Technology

V1-K-27: The causal role of counterfactuals in responsibility ascriptions to ignorant agents

Presenting author: **Katarina Kovacevic**

Katarina Kovacevic: Central European University; **Jonathan F. Kominsky:** Central European University; **Francesca Bonalumi:** Central European University; **Christophe Heintz:** Central European University

V1-L-28: The Effects of Congruent and Systematic Grapheme-Phoneme Correspondences on Novel Word Learning

Presenting author: **Ka Keung Lee**

Ka Keung Lee: Simon Fraser University; **Henny Yeung:** Simon Fraser University



V1-L-29: *The relationship between statistical learning and different facets of language ability: evidence from auditory and visual modalities*

Presenting author: **Krisztina Sára Lukics**

Krisztina Sára Lukics: Budapest University of Technology and Economics; **Agnes Lukacs:** Budapest University of Technology and Economics

V1-M-30: *Hierarchical Instance-Based Learning for Decision Making from Delayed Feedback*

Presenting author: **Tyler Malloy**

Tyler Malloy: Carnegie Mellon University; **David Hagmann:** The Hong Kong University of Science and Technology; **Cleotilde Gonzalez:** Carnegie Mellon University

V1-M-31: *Temporal proximity inferences in complex sentence comprehension: Evidence from English complement and relative clauses*

Presenting author: **Elena Marx**

Elena Marx: Central European University; **Eva Wittenberg:** Central European University

V1-M-32: *Label Entrenchment Heuristic in Political Communities*

Presenting author: **Almos C Molnar**

Almos C Molnar: Brown University; **Steven Sloman:** Brown University

V1-M-33: *Learn What is Detectable, Detect What is Useful*

Presenting author: **Brisca Balthes**

Sergei Monakhov: Friedrich Schiller University Jena; **Holger Diessel:** Department of English; **Brisca Balthes:** Saarland University

V1-M-34: *Plausibility sampling rather than difficulty influences sequential selection of episodic counterfactual thoughts*

Presenting author: **Ricardo Morales-Torres**

Ricardo Morales-Torres: Duke; **Kaylee Miceli:** Duke University; **Felipe DeBrigard:** Duke University

V1-N-35: *When Less is More: Students' Use of Diagrams and their Perception of Diagram Use in an AI Tutor for Algebra Learning*

Presenting author: **Tomohiro Nagashima**

Tomohiro Nagashima: Saarland University; **Helena Kilger:** Saarland University; **Vincent Alevan:** Carnegie Mellon University

V1-N-36: *Conventionalization of Graphic Representations of Abstract Concepts and Metaphors in an Experimental-Semiotic Communication Game*

Presenting author: **Michael Pleyer**

Darya NAMEDNIKAVA: Centre for Language Evolution Studies, Nicolaus Copernicus University ; **Marek Placiński:** Nicolaus Copernicus University in Toruń; **Michael Pleyer:** Nicolaus Copernicus University in Toruń

V1-N-37: *Are Global Statistics Discarded Statistics? An Investigation of What Types of Co-Occurrence Statistics Could Support the Acquisition of Semantic Knowledge*

Presenting author: **Molly I Niehaus**

Molly I Niehaus: Carnegie Mellon University; **Tijana Slepcev:** Carnegie Mellon University; **Catarina Vales:** Carnegie Mellon University

V1-O-38: *Prosodic Cues in Differentiating Request and Permission Directive Speech Acts*

Presenting author: **Despina Oikonomou**

Despina Oikonomou: University of Crete; **Vina Paraskevi Tsakali Dr:** University of Crete; **Katerina Iliopoulou:** University of Crete; **Maria Gatsou:** University of Crete; **Benedict Vassileiou:** University of Crete

V1-O-39: *The Folk Ethics of Self-Defense: An Empirical Study on the Moral Permissibility of Killing Apparent Threats*

Presenting author: **Pascale Willemsen**

August Renbo Olsen: Lund University; **Jan García Olier:** University of Zurich; **Pascale Willemsen:** University of Zurich

V1-O-40: *Language assessment for multilingual children in Germany - developmental factors, environmental influences, and individual differences*

Presenting author: **Onur Özsoy**

Onur Özsoy: Leibniz-Center General Linguistics; **Elna Bauer:** Leibniz-Center General Linguistics; **Katharina Bleher:** Goethe University; **Aylin Cil:** Catholic University of Eichstätt-Ingolstadt; **Tina Ghaemi:** TU Dortmund University; **Annika Heitzmann:** Goethe Univ

V1-P-41: *Some Innate Characteristics of Neural Models of Morphological Inflection*

Presenting author: **Sarah Payne**

Sarah R B Payne: Stony Brook University; **Jordan Kodner:** Stony Brook University

V1-P-42: *A Mechanistic Perspective of Face Perception Latency: Predictive Coding*

Presenting author: **Junteng Zheng**

William Pugsley: University of Waterloo; **Junteng Zheng:** University of Waterloo; **Roxane Itier:** University of Waterloo; **Jeff Orchard:** University of Waterloo

V1-P-43: *Inferring Traders' Price Expectations from Time Series Data with POMDPs*

Presenting author: **Aini Putkonen**

Aini Putkonen: Aalto University; **Sandra Andraszewicz:** ETH Zurich; **Christoph Hoelscher:** ETH Zurich

V1-R-44: *Retrieval of Hierarchically-Organized Concepts in a Recurrent Memory System*

Presenting author: **Robby Ralston**

Robert Ralston: The Ohio State University; **Vladimir Sloutsky:** The Ohio State University



V1-R-45: Constituency tests in human adults' language of thought for geometry

Presenting author: Barbu Revencu

Barbu Revencu: CEA; Stanislas Dehaene: CEA

V1-R-46: LLMs have "mental" models: Latent world models in LLM network weights can be inferred from output layer tokens at inference

Presenting author: Cole Robertson

Cole Robertson: Emory University; Phillip Wolff: Emory University

V1-S-47: The Role of Worldview Congruence in Misinformation Correction: A Bayesian Approach to Belief Updating

Presenting author: Greta Arancia Sanna

Greta Arancia Sanna: UCL; Toby D Pilditch: University College London; David Lagnado: University College London

V1-S-48: Drawing Privacy: How Children Conceptualize Regulation and Content Across Development

Presenting author: Kyla Sarmiento

Kyla Sarmiento: University of Manitoba; Sarah M Petriw Ms: University of Manitoba; Erica Pouteau: University of Manitoba; Shaylene E Nancekivell: University of Manitoba

V1-S-49: Industry Influencing Collective Scientific Reasoning: A Bayesian, Agent-based Exploration

Presenting author: Klee Schöppel

Klee Schöppel: University of Groningen

V1-S-50: The self-regulated learning paradox: Or, one reason why educational interventions might fail

Presenting author: Brendan A. Schuetze

Brendan Schuetze: University of Utah

V1-S-51: Learning in online chess increases with more time spent thinking and diversity of experience

Presenting author: Lisa Schut

Lisa Schut: University of Oxford; Evan Russek: Princeton University; Ionatan Kuperwajs: Princeton University; Marcelo G Mattar: New York University; Wei Ji Ma: New York University; Tom Griffiths: Princeton University

V1-S-52: Evaluating actions: Do young children prefer actions completed efficiently over those completed inefficiently?

Presenting author: Claudia G. Sehl

Claudia G. Sehl: University of Waterloo; Stephanie Denison: University of Waterloo; Ori Friedman: University of Waterloo

V1-S-53: Facilitating Human-AI Coordination through Computational Theory of Mind

Presenting author: Cleotilde Gonzalez

Roderick Seow: Carnegie Mellon University; Hoda Heidari: Carnegie Mellon University; Cleotilde Gonzalez: Carnegie Mellon University

V1-S-54: Amplifying Truth? Vocal Volume and Speakers' Self-Perceived Truthfulness

Presenting author: Yi Shao

Yi Shao: Oklahoma City University; Ruby K. Bautista: Oklahoma City University

V1-S-55: One Thing at a Time: Investigating the Impact of Increased Cognitive Demand on Semantic Prediction in Older Adults with and without Hearing Impairment

Presenting author: Muzna Shehzad

Muzna Shehzad: University of Nottingham; Leigh Fernandez: Rheinland-Pfälzische Technische Universität; Lauren V Hadley: University of Nottingham

V1-S-56: Gaze signatures of cognitive conflict while choosing and solving

Presenting author: Revati Shivnekar

Revati Shivnekar: Jagiellonian University; Nisheeth Srivastava: Indian Institute of Technology

V1-S-57: Exploring Neural Correlates of Predictability in Natural Face-to-Face Conversation

Presenting author: Oussama Silem

Oussama SILEM: Institut national de recherche en sciences et technologies du numérique; Maïwenn Annie Fleig: Aix-Marseille University; Philippe Blache: ILCB; Auriane Boudin: Aix-Marseille University; Houda OUFAIDA: Ecole nationale Supérieure d'Informatique

V1-S-58: Children consider costs to owners when reasoning about ownership transgressions

Presenting author: Alyssa N. Doerksen

Alexis Smith-Flores: University of California, San Diego; Alyssa N. Doerksen: University of the Fraser Valley; Emilee Haas: University of the Fraser Valley; Madison L Pesowski: University of the Fraser Valley

V1-S-59: Curriculum learning in humans and neural networks

Presenting author: Younes Strittmatter

Younes Strittmatter: Princeton University; Stefano Sarao Mannelli: Chalmers; Miguel Ruiz-Garcia: Complutense University de Madrid; Sebastian Musslick: University of Osnabrueck; Markus Spitzer: Martin-Luther University, Halle-Wittenberg

V1-S-60: Theory of Mind and Social Anxiety in Emotional Attachment to AI Chatbots in Individuals with Autistic Traits

Presenting author: Rossella Suriano

Rossella Suriano: University of Messina; Rosa Angela Fabio: University of Messina; Alessio Plebe: University of Messina

V1-T-61: Promoting Actions to Conserve Biodiversity: A Cognitive Constraints Approach

Presenting author: Lisa Travis

Lisa Travis: University of Illinois; Junho Lee: Northeastern University; Patricia Cheng: UCLA



V1-T-62: The Role of Feedback in Cognitive Offloading during Human-Computer Collaboration

Presenting author: **Basil Wahn**

Jakob Trierweiler: Technical University Berlin; **Eva Wiese:** TU Berlin; **Basil Wahn:** Technical University Berlin

V1-U-63: Wisdom of the (expert) crowd: Performance of Aggregation Models for Fetal Heart Rate Judgments

Presenting author: **Medhini Urs**

Medhini Urs: Stony Brook University; **Christian Luhmann:** Stony Brook University

V1-V-64: Externalizing Imagery: Exploring the Phenomenology of Outsight

Presenting author: **Frederic Vallee-Tourangeau**

Frederic Vallee-Tourangeau: Kingston University; **Wendy Ross:** London Metropolitan

V1-V-65: Exploring a Problem Before Instruction Using Graphs versus Tables

Presenting author: **Marci DeCaro**

Lianda Velic: University of Louisville; **Marci S. DeCaro:** University of Louisville

V1-V-66: Through the Eyes of Expertise: Decoding Mathematical Cognition with Eye-Tracking and Entropy

Presenting author: **Maribel Viveros**

Maribel Viveros: University of California, Merced; **Zenaida Aguirre-Munoz PhD:** UC Merced

V1-V-67: Using Tools From Animal Psychology to Measure Metacognition in Artificial Intelligence

Presenting author: **Konstantinos Voudouris**

Konstantinos Voudouris: Helmholtz Zentrum Munich; **Alexi J Voudouris:** The University of Edinburgh; **Lucy G Cheke:** University of Cambridge

V1-W-68: Eye tracking in the real world: a graph-theoretical analysis and comparison to virtual reality

Presenting author: **Jasmin L. Walter**

Jasmin L. Walter: University of Osnabrück; **Debora Nolte:** University of Osnabrück; **Paula Vondrik:** University of Osnabrück; **Lane von Bassewitz:** University of Osnabrück; **Luna Döring:** University of Osnabrück; **Jonas Scherer:** University Bielefeld; **Martin M. Mü**

V1-W-69: What does it mean to be healthy?

Presenting author: **Pascale Willemsen**

Pascale Willemsen: University of Zurich; **Kevin Reuter:** University of Gothenburg; **Somogy Varga:** Aarhus University

V1-X-70: Cognitive and motor dynamics of speech processing during walking

Presenting author: **Mengwan Xu**

Mengwan Xu: Université de Montréal; **Mickael Deroche:** Concordia University; **Simone Dalla Bella:** Université de Montréal; **Simone Falk:** Université de Montréal

V1-X-71: Extracting Latent Dimensions from Multidimensional Response Timing Data

Presenting author: **Guoliang Xu**

Guoliang Xu: Teachers College, Columbia University; **James E. Corter:** Columbia University

V1-Y-72: It takes one to know one: Theory of mind helps children to detect lies that are revealed by semantic leakage

Presenting author: **Özlem Yeter**

Özlem Yeter: University of Groningen; **Barteld P. Kooi:** University of Groningen; **Rineke Verbrugge:** University of Groningen; **Petra Hendriks:** University of Groningen

V1-Z-73: Roundedness and symmetry in the perception of similarity to the circle or roundness

Presenting author: **Liga Zarina**

Liga Zarina: University Of Latvia; **Jurgis Skilters:** University of Latvia; **Martins Kristaps Mickus:** University of Latvia; **Edvards Henrihs Gaugers:** University of Latvia

V1-Z-74: The Roles of Speech Complexity and Pointing Gesture in Guiding Children's Attention During Shared Book Reading

Presenting author: **Yayun Zhang**

Yayun Zhang: Max Planck Institute for Psycholinguistics; **Jennifer Sander:** Max Planck Institute for Psycholinguistics; **Thalassia Kontino:** Utrecht University; **Caroline F Rowland:** Max Planck Institute for Psycholinguistics; **Chen Yu:** University of Texas at Au

V1-Z-75: Exploring the Impact of Cognitive and Sensorimotor Activity on Arousal in an Embodied Learning Environment

Presenting authors: **Fukun Evelene Zhang & Sofia Tancredi**

Fukun Evelene Zhang: Carleton College; **Sofia Tancredi:** University of Wisconsin-Madison

V1-Z-76: A preliminary study to Assess Self-regulated learning and Academic Emotional Regulation of College Students Using Smartphones

Presenting author: **Tongyu Zhao**

Tongyu Zhao: University of Minho; **Jiaying Gao:** School of Artificial intelligence; **Yu Feng:** University of Minho; **Yatong Zu:** Jilin University; **Adriano Tavares:** University of Minho; **Tiago Gomes:** University of Minho; **Sandro Pinto:** Universidade do Minho; **Hao**

V1-Z-77: Integrating Specialist Judgments With and Without Mentalizing

Presenting author: **Danqin Zhao**

Danqin Zhao: University of Edinburgh; **Neil R. Bramley:** University of Edinburgh



V1-F-78: *From positive to negative “craziness”: Changes in emotional valence of words across adulthood*

Presenting author: Raphaël Fargier

Raphaël Fargier: Université Côte d'Azur; Claire Ballot: Nantes University

V1-S-79: *Speakers strategically adjust their descriptions based on perceived memorability*

Presenting author: Urvi Suwal

Urvi Suwal: Yale University; Ben Morris: Yale University; Qi Lin: RIKEN; Paula Rubio-Fernández: Max Planck Institute for Psycholinguistics; Julian Jara-Ettinger: Yale University

V1-J-80: *Interactions Between Linear Order and Lexical Distributions in Artificial Language Learning*

Presenting author: Dr Holly Elizabeth Jenkins

Holly Elizabeth Jenkins: University of Oxford; Michael Ramscar: University of Tübingen; Elizabeth Wonnacott: University of Oxford

V1-L-81: *Young Children Spontaneously Appreciate the Perspectives of their Social Partners*

Presenting author: Anushka Laha

Anushka Laha: UCSB; Brandon Matthew Woo: UCSB

V1-Z-82: *Overcoming sparse and uneven evidence with natural language communication*

Presenting author: Yuliya Zubak

Yuliya Zubak: Stanford; Robert Hawkins: Stanford University

V1-V-83: *Gaze Insights into Partially-Encoded Representations of Objects and Categories*

Presenting author: Jared Vance

Jared Vance: Utah State University; Kevin P Darby: Florida Atlantic University; Emily R. Weichart: Utah State University

V1-X-84: *Modelling compounding across languages with analogy and composition*

Presenting author: Aotao Xu

Aotao Xu: University of Toronto; Charles Kemp: University of Melbourne; Lea Frermann: University of Melbourne; Yang Xu: University of Toronto

V1-A-85: *The Impact of Short-Term Model Familiarity on Two-Year-Olds' Word Learning*

Presenting author: Jina Ahn

Jina Ahn: University of California, Los Angeles; Erica Cartmill: Indiana University Bloomington; Catherine Sandhofer: University of California, Los Angeles

V1-Q-86: *Plasticity and Speed-Accuracy Trade-Off in Color Discrimination: Insights from the 100-Hue Test*

Presenting author: Yanan Qiao

Yanan Qiao: Graduate School of Humanities and Human Sciences; Yasuhiro Kawabata: Hokkaido University

V1-H-87: *The Impact of Similar Place Avoidance on Novel Word Learning in Adults*

Presenting author: Dr Annie Holtz

Annie Holtz: The University of Edinburgh; Kenny Smith: University of Edinburgh; Mitsuhiro Ota: University of Edinburgh

V1-P-88: *Can paradigmatic associations be implicitly formed through parallel contexts?*

Presenting author: Dr. Hyungwook Yim

Seoni Park: Hanyang University; Hyungwook Yim: Hanyang University

V1-U-89: *Do Young Children Learn Words from the Company they Keep?*

Presenting author: Dr. Layla Unger

Layla Unger: University of York; Emma James: University of York

VIRTUAL POSTER SESSION 2:

THURSDAY, JULY 31

Session time: midnight – 1:00am PDT

V2-A-1: *The Impact of Acute Social Stress on Working Memory Updating in Social Anxiety Disorder*

Presenting author: Arya Adyasha

Arya Adyasha: Indian Institute of Science Education and Research Bhopal; Anushka Sanjay Shelke: Indian Institute of Science Education and Research Bhopal; Nilesh Kumar Sahu: IISER Bhopal; Haroon R Lone: IISER Bhopal

V2-A-2: *Measuring Belief Expectancy Violations in Psychotherapy with EEG*

Presenting author: Avinash Singh

Yangyulin Ai: Faculty of Engineering and Information Technology, University of Technology Sydney; Avinash Kumar Singh: University of Technology Sydney; David Berle: Australian National University

V2-A-3: *Assessing the Verbal Redundancy Effect by Adding Narration to Written Text in Native and Non-Native Speakers*

Presenting author: Takumi Arima

Takumi Arima: Hiroshima University; Sarah Baker: National Institutes of Health; Amos En Zhe Lian: Raffles University; Weng-Tink Chooi: Universiti Sains Malaysia; Aiko Morita: Hiroshima University

V2-A-4: *The Effects of Late Sign Language Acquisition on Emotion Recall and Expression in Deaf Children*

Presenting author: Mehmet Ali Atik

Mehmet Ali Atik: Middle East Technical University; Dilay Z. Karadoller: Middle East Technical University



V2-B-5: *Scroll-Time and Echo-Chambers: Effect of Mass Media on Ingroup Bias and Polarization*

Presenting author: **Abhishek Baba**

Abhishek Baba: Indian Institute of Technology Kanpur; **Ark Verma:** Indian Institute of Technology Kanpur; **Ms Anurati Tripathi:** Indian Institute of Technology Kanpur

V2-B-6: *Testing the Zeigarnik effect in spontaneous memory recall during mind-wandering*

Presenting author: **Kshiteesh Bhardwaj**

Kshiteesh Bhardwaj: IIT Kanpur; **Nisheeth Srivastava:** Indian Institute of Technology

V2-B-7: *Gaze and Gluttony: How BMI Affects Our First Fixations*

Presenting author: **Rajashree Biswas**

Rajashree Biswas: Indian Institute of Technology, Bombay; **Rashmi Gupta:** IIT Bpm Bay

V2-B-8: *Oscillating Echoes: Primary Memory in MINERVA 2*

Presenting author: **Adam D Bull**

Adam D Bull: Macquarie University; **Roslyn Wong:** Macquarie University; **Erik D Reichle:** Macquarie University

V2-C-9: *The Role of Gesture in Emotion Communication: Patterns Across Emotional Categories and Stimulus Types*

Presenting author: **Süleyman Can Ceylan**

Süleyman Can Ceylan: Koç University; **Demet Özer:** Bilkent University; **Tilbe Gökşun:** Koç University

V2-C-10: *Looking beyond parental reports: systematic biases in early word recognition assessment*

Presenting author: **Chai Jun Ho**

Jun Ho Chai: Sunway University; **Margarethe McDonald:** University of Kansas; **Eon-Suk Ko:** Chosun University

V2-C-11: *CoRe: Cognitive Reasoning Framework for Zero-Shot Table Understanding and Reasoning*

Presenting author: **Jiongfan Chen**

Jiongfan Chen: ETH Zurich; **Chengfeng Chen:** South China Normal University; **Haibo Liu:** Zhipu AI; **Fang Wang:** Zhipu AI; **Ying Chen:** Zhipu AI; **Haicong Li:** China Mobile Group Sichuan Co., Ltd.; **Bo Zhang:** China Mobile Group Sichuan Co., Ltd.

V2-C-12: *Is baseline pupil size a good measure to assess attentional control?*

Presenting author: **Dr. Hyungwook Yim**

Dahae Cho: Tandon School of Engineering; **Sunwoo Moon:** Hanyang University; **Hyungwook Yim:** Hanyang University

V2-C-13: *Mandarin-Speaking Late Talkers and Gesture Production at 24 Months*

Presenting author: **Kawai Chui**

Kawai Chui: National Chengchi University; **Huei-Mei Liu:** National Taiwan Normal University; **Feng-Ming Tsao:** National Taiwan University; **Chan-Tat Ng:** National Chengchi University

V2-C-14: *Age-related changes in cognitive flexibility: fMRI meta-analysis*

Presenting author: **Zhanna Chuikova**

Zhanna Chuikova: HSE University; **Andrei Faber:** HSE University; **Andrei Filatov:** HSE University; **Andriy Myachykov:** University of Macau; **Yury Shtyrov:** Aarhus University; **Marie Arsalidou:** York University

V2-C-16: *Architecture and the Self: Empirical Inquiry on Christopher Alexander's Theory of Living Structure*

Presenting author: **Chengwen E**

Chengwen E: BNU-HKBU United International College; **Rongrong Chen:** Guangdong Provincial/Zhuhai Key Laboratory IRADS

V2-D-15: *JUDICIOUS: Evaluating Robustness of Large Language Models in the Legal Realm*

Presenting author: **Ziling Dai**

Ziling Dai: Guangdong University of Foreign Studies; **Nankai Lin:** Guangdong University of Foreign Studies

V2-E-17: *Measuring the Semantic Consistency of Ordinal Annotations via Text Embedding Spaces and Its Applications*

Presenting author: **Yo Ehara**

Yo Ehara: Tokyo Gakugei University

V2-E-18: *Constructing Multilingual Readability Metrics for Cross-Language FKGL Comparisons*

Presenting author: **Yo Ehara**

Yo Ehara: Tokyo Gakugei University

V2-F-19: *When Machines Speak with Feeling: Investigating Emotional Prosody, Authenticity, and Trust in AI vs. Human Voices*

Presenting author: **Guangrui Fan**

Guangrui Fan: Taiyuan University of Science and Technology; **Dandan Liu:** Universiti Malaya

V2-F-20: *How Panel Layouts Define Manga: Insights from Visual Ablation Experiments*

Presenting author: **Siyuan Feng**

Siyuan Feng: The University of Tokyo; **Teruya Yoshinaga:** Sophia University; **Katsuhiko Hayashi:** The University of Tokyo; **Koki Washio:** freelance researcher; **Hidetaka Kamigaito:** Nara Institute of Science and Technology

V2-F-21: *Perceptions of A.I.-Enhanced Bodies: Autonomy, Authenticity, and Preferences Among Young Adults*

Presenting author: **Ivonnia Flores Bravo**

Ivonnia M Flores Bravo: Pontificia Universidad Católica Argentina; **Verónica Ramenzoni:** Pontificia Universidad Católica Argentina



V2-F-22: Impact of Social Feedback Stimulus on Information-Integration Category and Rule-based Category Learning

Presenting author: Yumiko Fujii

Yumiko Fujii: Tokyo Women's Medical University

V2-G-23: A Meta-analysis of Age-related effect on Loss Aversion

Presenting author: Mehak Gupta

Mehak Gupta: Indian Institute of Technology Delhi; Sumitava Mukherjee: Indian Institute of Technology Delhi

V2-H-24: DDSPR: Dynamic Domain Selection and Pseudo-label Refinement for Cross-Subject EEG-based Emotion Recognition

Presenting author: Qinyu Hai

Qinyu Hai: Xidian University; Liying Yang: xidian university; Yumeng Ye: Xidian University; Qiang Wang: Xidian University; Jingtao Du: Xidian University; Huanyu He: xidian university

V2-H-25: Hierarchical Cognitive Graph Autoencoder for Multi-Agent Reinforcement Learning

Presenting author: Peng He

Peng He: Beijing University of Posts and Telecommunications; Wei Wang: Beijing University of Posts and Telecommunications; Chuxiong Sun: Institute of Software, Chinese Academy of Sciences; Yi Wang: CoCo Labs

V2-H-26: KnowJudge: A Knowledge-Driven Framework for Legal Judgment Prediction

Presenting author: Zhitian Hou

Zhitian Hou: Sun Yat-sen University; Jinlin Li: Sun Yat-sen University; Ge Lin: Sun Yat-sen University; Kun Zeng: Sun Yat-sen University

V2-H-27: Spatial-Energy-Aware Dynamic Filtering with Sparse Graph Convolutions for EEG Emotion Recognition

Presenting author: Jingjing Hu, Shuaiqi Fu, Zhan Si, Junran Chen

Jingjing Hu: Hefei University of Technology; Shuaiqi Fu: Jiangxi University of Finance and Economics; Zhan Si: Anhui University; Junran Chen: Wuhu Brain Media Information Technology Co., Ltd.

V2-H-28: Detection of AI-Generated Contents Based on Dyadic-Brain Neural Synchronization

Presenting author: Shiang Hu

Shiang Hu: School of Computer Science and Technology, Anhui University; Lihao Fu: School of Computer Science and Technology, Anhui University; Xiao Gong: School of Computer Science and Technology, Anhui University; Piqiang Zhang: School of Computer Scienc

V2-H-29: A Multimodal In Vitro Diagnostic Method for Parkinson's Disease Combining Facial Expressions and Behavioral Gait Data

Presenting author: Yintao Zhou

Wei Huang: Nanchang University; Yinxuan Xu: Nanchang University; Yintao Zhou: Nanchang University; Zhengyu Li: Nanchang University Second Affiliated Hospital; Jing Huang: Nanchang University Second Affiliated Hospital; Meng Pang: Nanchang University

V2-H-30: MGSleepNet: A Multi-Granularity Sleep Staging Network Based on EEG and EOG Signals

Presenting author: Yin Tian

Zhentao Huang: Chongqing University of Posts and Telecommunications; Yuhao Jiang: Chongqing University of Posts and Telecommunications; Yin Tian: Chongqing University of Posts and Telecommunications

V2-J-31: Psychological Flexibility and Coping Strategies Influence Well-Being: The Mediating Role of COVID-19 Related Stressors During the Second Wave Among Indian Students

Presenting author: Adithya Jain

Adithya Jain: International Institute of Information Technology Hyderabad; Priyanka Srivastava: International Institute of Information Technology, Hyd

V2-J-32: TableCritic: Refine Table Reasoning via Self-Criticism and Tool Library

Presenting author: Dong Wang

ruochun jin: National University of Defense Technology; Dong Wang: National University of Defense Technology; Xiyue Wang: Nation University Of Defense Technology; Haoqi Zheng: College of Computer science and Technology

V2-J-33: Latent speech representations learned through self-supervised learning predict listeners' generalization of adaptation across talkers

Presenting author: Zhengyang Jin

Zhengyang Jin: University of Sussex; Yuhao Zhu: University of Rochester; T. Florian Jaeger: University of Rochester

V2-J-34: Behavioral signatures of temporal context retrieval during continuous recognition

Presenting author: Atharva Joshi

Atharva Joshi: International Institute of Information Technology, Hyderabad; Kamalaker Dadi: International Institute of Information Technology Hyderabad; Vishnu Sreekumar: International Institute of Information Technology, Hyderabad

V2-L-35: Implicit and Explicit Knowledge after Limited Exposure to Artificial Grammars of Various Complexity

Presenting author: Irina Lavrova

Irina Lavrova: Texas Tech University; Miranda Scolari: Texas Tech University

V2-L-36: Gaze-Guided Learning: Avoiding Shortcut Bias in Visual Classification

Presenting author: Jiahang Li

Jiahang Li: Tianjin Normal University; Shibo Xue: Tianjin Normal University; Yong Su: Tianjin Normal University

V2-L-37: DHRec: A Debaised Hyperbolic Recommendation Model

Presenting author: Mengmeng Li

Mengmeng Li: Academy of Military Sciences; Hongmei Li: Academy of Military Sciences; Zhenyu Li: Academy of Military Science; Xianglong Li: Academy of Military Sciences; Jinlong Tian: National University of Defense Technology; Qiyuan Zhang: National Univer

V2-L-38: Towards a Vision-Language Episodic Memory Framework: Large-scale Pretrained Model-Augmented Hippocampal Attractor Dynamics

Presenting author: Chong Li

Chong Li: School of computer science; Taiping Zeng: Fudan University; Xiangyang Xue: Fudan University; Jianfeng Feng: Fudan University

V2-L-39: Prediction of Cognitive Impairment in Middle-aged and Elderly People: A Method Based on Granger Causality

Presenting author: Siying Li

Siying Li: Sichuan University; Linna Wang: College of Computer Science, Sichuan University; Xinyu Guo: Department of Health Policy and Management, West China School of Public Health and West China Fourth Hospital, Sichuan University; Haoyue Shi: Sichuan U

V2-L-40: Detecting Critical Collapsed Nodes in Social Networks: A Cognitive Model of Resilience under Spatial Constraints

Presenting author: Xiang Li

Wei Li: Harbin Engineering University; Chenghao Li: Harbin Engineering University; Yidan Chen: Harbin Engineering University; Ziyang Zhang: Harbin Engineering University; Weihe Yan: Harbin Engineering University; Moustafa Youssef (IEEE/ACM Fellow): Ameri

V2-L-41: MS-NHHO: A Swarm Intelligence Optimization Algorithm Incorporating Cognitive Science for Malicious Traffic Detection

Presenting author: Ziang Li

Ziang Li: Institute of Information Engineering, Chinese Academy of Sciences; Zhou Zhou: Institute of Information Engineering, Chinese Academy of Sciences; Chengxiang Si: National Computer Network Emergency Response Technical Team/Coordination Center of Ch

V2-L-42: What Factors Influence Goal Setting? Insights from Text-Based Task Generation

Presenting author: Yilong Lu

Yilong Lu: Beijing Institute for General Artificial Intelligence (BIGAI); Jiajun Song: State Key Laboratory of General Artificial Intelligence, BIGAI; Chunhui Zhang: Beijing Institute for General Artificial Intelligence; Wei Wang: Beijing Institute for Ge

V2-L-43: Efficient Multi-dimensional Optimization in Abstractive Summarization via Mixture-of-Learnable Prompts Tuning

Presenting author: Fengyu Lu

Fengyu Lu: Peking University; Jiaxin Duan: Peking University; Junfei Liu: Peking University

V2-S-44: Filtering out Empathy: The Impact of Other-Alteration through AI-Filters on Prosocial Behavior

Presenting author: Eva-Madeleine Schmidt

Eva-Madeleine Schmidt: Max Planck Institute for Human Development

V2-M-45: Do Large Language Models Truly Grasp Mathematics? An Empirical Exploration from Cognitive Psychology

Presenting author: Shuoyoucheng Ma

Shuoyoucheng Ma: National University of Defense Technology; Wei Xie: National University of Defense Technology; Zhenhua Wang: National University of Defense Technology; Xiaobing Sun: Agency for Science, Technology and Research ; Kai Chen: University of Ch

V2-M-46: Embodiment without Body: The Emergence of Body Ownership in AI through Integrated World and Self-Models

Presenting author: Shuqin Ma

Shuqin Ma: Philosophy department

V2-M-48: Analogical Relatedness Between Exemplars of Schema-Governed Categories

Presenting author: Ricardo A. Minervino

Ricardo A Minervino: University of Comahue; Pablo Rodriguez Osztreicher: Tel Aviv University; Maximo Trench: University of Comahue

V2-M-49: Situation-Dependent Emotion Regulation in Adolescence: Crying Alone or in Presence of Others?

Presenting author: Kozue Miyashiro

Kozue Miyashiro: Utsunomiya University; Amane Sugiura: Utsunomiya University

V2-M-50: The effect of physical and psychological distances in everyday memory retrieval across older and young adults

Presenting author: Hyungwook Yim

Sunwoo Moon: Hanyang University; Jaehyuk Cha: Hanyang University; Hyungwook Yim: Hanyang University



V2-M-51: MEKiT: Multi-source Heterogeneous Knowledge Injection Method via Instruction-Tuning for Emotion-Cause Pair Extraction

Presenting author: **Shiyi Mu**

Shiyi Mu: Northeastern University; **Yongkang Liu**: Northeastern University; **Shi Feng**: Northeastern University; **Xiaocui Yang**: Northeastern University; **Daling Wang**: Northeastern University; **Yifei Zhang**: Northeastern University

V2-M-52: Modelling the Effects of Emotional States on Driving Speed and Crashes

Presenting author: **Debaparna Mukherjee**

Debaparna Mukherjee: Indian Institute of Kanpur; **Ark Verma**: Indian Institute of Technology Kanpur

V2-N-53: A cognitive model of the factors controlling the characteristics of Shitori word sequences

Presenting author: **Jumpei Nishikawa**

Jumpei Nishikawa: Graduate School of Science and Technology, Shizuoka University; **Kosuke Sasaki**: Graduate School of Integrated Science and Technology, Shizuoka University; **Junya Morita**: Shizuoka University

V2-O-54: Facilitating effect of finger movements on artificially generated front vowels

Presenting author: **Shunsuke Otani**

Shunsuke Otani: Hiroshima University; **Mizuki Yoshio**: Hiroshima University; **Toshimune Kambara**: Hiroshima University

V2-P-55: What theoretical horizon for cognition? Towards a categorical cognitive science

Presenting author: **Steven Phillips**

Steven Phillips: National Institute of Advanced Industrial Science and Technology

V2-Q-56: RPW-EEG: An Unified Framework for Robust and Practical Watermark of EEG

Presenting author: **Tianyang Qin**

Tianyang Qin: Hangzhou Dianzi University; **Hangjie Yi**: Hangzhou Dianzi University; **Jingsheng Qian**: Hangzhou Dianzi University; **Xuanyu Jin**: Hangzhou Dianzi University; **Honggang Liu**: Hangzhou Dianzi University; **Wanzeng Kong**: Hangzhou Dianzi University

V2-R-57: Leveraging prediction to investigate the mental lexicon: Evidence from an agglutinating language

Presenting author: **Nayana Raj**

Nayana Raj: IIT Delhi; **Samar Husain**: Indian Institute of Technology

V2-R-58: Improving Unsupervised Task-driven Models of Ventral Visual Stream via Relative Position Predictivity

Presenting author: **Dazhong Rong**

Dazhong Rong: Zhejiang University; **Hao Dong**: Rutgers University; **Xing Gao**: University of Electronic Science and Technology of China; **Jiyu Wei**: Zhejiang university; **Di Hong**: Zhejiang University; **Yaoyao Hao**: Zhejiang University; **Qinming He**: Zhejiang Univer

V2-S-59: Gestures on Memory: How Speech-Gesture Congruency Influences Memory and Metamemory Across Test Types

Presenting author: **Nilsu Sağlam**

Nilsu Sağlam: Bilkent University; **Demet Özer**: Bilkent University; **Miri Besken**: Bilkent University

V2-S-60: More Than Boundaries: Exploring the Characteristics and Attributes of Daily Life Events

Presenting author: **Simon Dennis**

Viviana Sastre Gomez: The University of Melbourne; **Rebecca Defina**: University of Melbourne; **Jeffrey M. Zacks**: Washington University in Saint Louis; **Simon Dennis**: University of Melbourne

V2-S-61: Role of Sensory Processing Sensitivity in driving Maladaptive Music Use

Presenting author: **Azhagammal SC**

Azhagammal SC: International Institute of Information Technology - Hyderabad; **Lalit Mohan**: International Institute of Information Technology Hyderabad; **Vinoo Alluri**: International Institute of Information Technology, Hyderabad

V2-S-62: Unified Fusion Network Model for EEG Signals

Presenting author: **Shangyang Li**

Chunchang Shao: Guangdong Institute of Intelligence Science and Technology; **Shangyang Li**: Guangdong Institute of Intelligence Science and Technology

V2-S-63: Effective but untrustworthy: How artificial intelligence bias opposing human bias affects judgments

Presenting author: **Masaru Shirasuna**

Masaru Shirasuna: Shizuoka University; **Hidehito Honda**: Otomon Gakuin University; **Rina Kagawa**: AIST

V2-S-64: Precise SO-ripple coupling facilitates the signal transmission during slow-wave sleep

Presenting author: **Hao Si**

Hao Si: Zhejiang Lab; **Yina Wei**: Zhejiang Lab

V2-S-65: Adapting to the Unfamiliar: Communicative Adjustments in Human-Robot Interaction (HRI)

Presenting author: **Hande Sodaci**

Hande Sodaci: Koç University; **Aylin C Küntay**: Koç University

V2-T-67: MAM-GAN: Multimodal association modeling based on generative adversarial networks for Alzheimer's disease diagnosis

Presenting author: **Yin Tian**

Binsong Tang: Chongqing University of Posts and Telecommunications; **Yin Tian**: Chongqing University of Posts and Telecommunications



V2-W-68: Stimulus size influences gaze targets during free viewing of natural video

Presenting author: Daiki Wakai

Daiki Wakai: Kyoto University; Tadashi Isa: Kyoto University; Richard E Veale: Kyoto University

V2-W-69: Long-Term Cognitive Trajectory Prediction in a Chinese Cohort of Middle-Aged and Older Adults Using Causal Machine Learning

Presenting author: Linna Wang

Linna Wang: College of Computer Science, Sichuan University; Xinyu Guo: Department of Health Policy and Management, West China School of Public Health and West China Fourth Hospital, Sichuan University; Haoyue Shi: Sichuan University; Ziliang Feng: Colleg

V2-W-70: Self-Persuasion: A Novel Cognitive Approach to Effective LLM Jailbreaking

Presenting author: Shuoyoucheng Ma

Zhenhua Wang: National University of Defense Technology; Wei Xie: National University of Defense Technology; Shuoyoucheng Ma: National University of Defense Technology; Xiaobing Sun: Agency for Science, Technology and Research; Baosheng Wang: National Uni

V2-W-71: Cognitive Insights into Document Comprehension: The Role of Reading Order and Visual Attention in Human and Large Language Models

Presenting author: Qingxuan Wang

QingXuan Wang: School of Computer Engineering and Science, Shanghai University; Hao Wang: School of Computer Engineering and Science, Shanghai University; Huiran Zhang: Shanghai University; Chenhui Chu: Kyoto University; Rui Wang: Shanghai Jiao Tong Uni

V2-W-72: A Visual Complexity Measurement Method Based on Monte Carlo Sampling

Presenting author: Sihan Wang, Ruimin Lyu

Sihan Wang: Jiangnan University; Ruimin Lyu: Jiangnan University

V2-W-73: Can Sequential Persuasion Strategies Referencing Specific Purposes Enhance the Persuasiveness of Online Requests? A Case Study

Presenting author: Yizhi Wang

Yizhi Wang: Institute of Software Chinese Academy of Sciences; Yi Yang: Institute of Software, Chinese Academy of Science; Jiaqi Zhu: Institute of Software, Chinese Academy of Sciences; Hui Chen: Institute of Software, Chinese Academy of Sciences

V2-W-74: Influences of catastrophic events on ethical judgments: A case from the Great East Japan Earthquake

Presenting author: Katsumi Watanabe

Katsumi Watanabe: Waseda University

V2-W-75: Multi-site fMRI-based mental disorder detection using adversarial learning: an ABIDE study

Presenting author: Yanqing Dong

Xin Wen: Taiyuan University of Technology; Shijie Guo: Taiyuan University of Technology; Yanqing Dong: Taiyuan University of Technology; Mengni Zhou: Taiyuan University of Technology; Jie Xiang: Taiyuan University of Technology

V2-W-76: An Enactivist Interpretation of Aphantasia

Presenting author: Qiantong Wu

Qiantong Wu: Chinese Academy of Sciences, Institute of Philosophy

V2-W-77: A Similarity-Aware Graph Transformer-enhanced Probabilistic Case-based Reasoning Model for Knowledge Graph Reasoning

Presenting author: Yuejia Wu

Yuejia Wu: Inner Mongolia University; Jiantao Zhou: Inner Mongolia University

V2-X-78: The effect of learning Chinese Sign Language on spatial conceptualisation of time in hearing Mandarin speakers

Presenting author: Nan Xiang

nan Xiang: Shanghai International Studies University; Hao Lin: Shanghai International Studies University; Yan Gu: University College London

V2-X-79: GIBRNet: A Multimodal Spatiotemporal Reasoning Network Integrating Emotion, Gaze, and Position for Gaze Interaction Behavior Recognition

Presenting author: Junhao Xiao

Junhao Xiao: Central China Normal University; Jing Gao: Central China Normal University; Jingxing Zhong: Fuzhou University; Zhiyu Wu: Fudan University; Yi Chen: Central China Normal University

V2-Y-80: Cognitive Representation in Large Language Models: Formalizing Psychological Constructs for Automated Questionnaire Generation

Presenting author: Yang Yan

Yang Yan: Zhejiang University – Westlake University Joint PhD Program; Lizhi Ma: Hangzhou Normal University; Yu Lu: Engineering School; Renjun Xu: Center for Data Science Zhejiang University; Zhenzhong Lan: Engineering School

V2-Z-81: Quantifying Risk Propensities of Large Language Models: Ethical Focus and Bias Detection through Role-Play

Presenting author: Fangzhou Dong

Yifan Zeng: Sun Yat-sen University; Kairong Liang: School of Computer Science and Engineering; Fangzhou Dong: Sun Yat-sen University; Peijia Zheng: Sun Yat-sen University



V2-Y-82: Cognitive Distillation with Parameter-Efficient LLMs: Chain-of-Thought Calibration for Personality Prediction

Presenting author: Yang Yan

Yang Yan: Zhejiang University – Westlake University Joint PhD Program; **Lizhi Ma:** Hangzhou Normal University; **Yu Lu:** Engineering School; **Renjun Xu:** Zhejiang University; **Zhenzhong Lan:** Engineering School

V2-Z-83: Improving Cognitive Capability of Large Language Model: A Multi-Step Symbolic Reasoning Approach

Presenting author: Jinkun Zhai

Jinkun Zhai: Guangdong University of Technology; **Chong Chen:** Guangdong University of Technology; **Zhuowei Wang:** Guangdong University of Technology; **Tao Wang:** Guangdong University of Technology; **Lianglun Cheng:** Guangdong University of Technology

V2-Z-84: A Dense Convolutional Bi-Mamba Framework for EEG-Based Emotion Recognition

Presenting author: Mingya Zhang

Mingya Zhang: Nanjing University; **Yuqian Zhuang:** State Key Laboratory for Novel Software Technology, Nanjing University, Nanjing 210023, China; **Liang Wang:** State Key Laboratory for Novel Software Technology, Nanjing University, Nanjing 210023, China; **Zhih**

V2-Z-85: Cognitive Measurement with Generative AI: A Novel Interactive Situational Assessment of Learning Motivation and Strategy Using LLM Multi-Agents

Presenting author: Yi Zhang

Yi Zhang: Jilin University; **Haotian Feng:** College of Computer Science and Technology; **Chen Xue:** Jilin University; **Yatong Zu:** Jilin University; **Hao Xu:** Jilin University

V2-Z-86: Improving Human Answers Quality by Machine Questions Number and Context Factors

Presenting author: Haonan Zhao

Haonan Zhao: the University of Trento; **Xiaoyue Li:** University of Trento

V2-Z-87: SIESTA: A Spectral-Temporal Unified Framework for Robust Cross-Subject EEG Analysis

Presenting author: Ruizhe Zheng

Ruizhe Zheng: Fudan University; **Yuguo Yu:** Fudan University

V2-Z-88: The Role of Eye Movement Consistency in Aging-Related Decline in Face Recognition

Presenting author: Yueyuan Zheng

Yueyuan Zheng: Hong Kong University of Science and Technology; **WS Lo:** Hong Kong Polytechnic University; **Esther Yuet Ying Lau:** The Education University of Hong Kong; **Gail Eskes:** Dalhousie University; **Lai Ling Hui:** The Hong Kong Polytechnic University; **Jane**

V2-Z-89: Who Detects Better? A Comparative Study on Misinformation Detection by Humans and Large Language Models

Presenting author: Qianshi Qi

Zhou Zhipeng: Chongqing University; **Xiao Liu:** Chongqing University; **Da Ding:** Chongqing university; **HE HUAICHENG:** Chongqing University; **Qianshi Qi:** Monash University

V2-Z-90: Learning Cognitive Agent-driven for Graph-aware Communication and Double Reward Path Finding Models

Presenting author: Dongming Zhou

Dongming Zhou: National University of Defense Technology; **Jinsheng Deng:** National University of Defense Technology; **Zhengbin Pang:** National University of Defense Technology

V2-Z-91: The Role of Spatial Frequency in Cuteness Discrimination of Infant Faces: An EEG Study

Presenting author: Yanqing Dong

Mengni Zhou: Taiyuan University of Technology; **Runan Ding:** Taiyuan University of Technology; **Yanqing Dong:** Taiyuan University of Technology; **Xin Wen:** Taiyuan University of Technology; **Jie Xiang:** Taiyuan University of Technology

V2-Z-92: Personalized Knowledge Tracing Based on Generative Models: Cognitive Exploration of Learning Preferences

Presenting author: Shiyu Zhu

ShiYu Zhu: Southwest University; **Li Li:** Southwest University; **Yichen Liu:** Chongqing Institute of Engineering

V2-Z-93: Passive Behavioral Sensing: Using Within-Person Variability Features from Mobile Sensing to Assess Self-Regulated Learning

Presenting author: Tongyu Zhao

Tongyu Zhao: University of Minho; **Jiaying Gao:** School of Artificial intelligence; **Yu Feng:** University of Minho; **Yatong Zu:** Jilin University; **Adriano Tavares:** University of Minho; **Tiago Gomes:** University of Minho; **Sandro Pinto:** Universidade do Minho; **Hao**

V2-V-94: Children's emotion vocabulary learning discloses a growing understanding of specific concepts

Presenting author: Ashvini Varatharaj

Ashvini Varatharaj: University of California, Santa Barbara; **Simon Todd:** University of California Santa Barbara; **Laurel Brehm:** University of California, Santa Barbara

V2-H-95: MSCNN-ADDA: A Cross-Subject P300 EEG Decoding Algorithm Based on a Multi-Scale Convolutional Neural Network and Adversarial Discriminative Domain Adaptation

Presenting author: Jiahui Pan

Wanying He: South China Normal University; **Yongxi Zhao:** South China Normal University; **Jiahui Pan:** South China Normal University



VIRTUAL POSTER SESSION 3:

FRIDAY, AUGUST 1

Session time: 12:00pm – 1:00pm PDT

V3-A-1: *Data Ownership and Privacy: Investigating a Shared Psychological Basis*

Presenting author: **Shaylene E Nancekivell**

Breanna Amoyaw: University of Manitoba; **Katie Szilagyi:** University of Manitoba; **Shaylene E Nancekivell:** University of Manitoba

V3-B-2: *Novel Noun Generalization And Stimulus Comparisons In Children: Manipulating The Number And Structure Of Learning Stimuli.*

Presenting author: **Téo BALLUT**

Téo BALLUT: Université Bourgogne Europe; **Jean-Pierre C. G. Thibaut:** Université Bourgogne Europe

V3-B-3: *A Common Language? Analyzing the Use of Health-Related Vocabulary Between Laypeople and Medical Professionals*

Presenting author: **Lucien Baumgartner**

Lucien Baumgartner: University of Zurich; **Kevin Reuter:** University of Gothenburg; **Somogy Varga:** Aarhus University

V3-B-4: *A Cognitive-Computational Model of Comfort Categorization in Civil Aviation Propeller Aircraft*

Presenting author: **Angela Brindisi**

Angela Brindisi: CIRA - Italian Aerospace Research Center; **Francesco Gagliardi:** ORCID:0000-0002-4270-1636; **Antonio Concilio:** CIRA - Italian Aerospace Research Center

V3-B-5: *Setting and Adjusting Thresholds in an Optimal Stopping Task: Model Predictions and Empirical Results*

Presenting author: **Erin H. Bugbee**

Erin H. Bugbee: Carnegie Mellon University; **Cleotilde Gonzalez:** Carnegie Mellon University

V3-C-6: *Visual attention and cross-linguistic effects in reading: Simulations with BRAID-Acq, a probabilistic model of reading*

Presenting author: **Camille Charrier**

Camille Charrier: Univ. Grenoble Alpes, Univ. Savoie Mont Blanc; **Alexandra Steinhilber:** Laboratoire de Psychologie et NeuroCognition; **Emilie Ginestet:** Université Grenoble Alpes; **Sylviane Valdois:** CNRS et Université Grenoble Alpes; **Julien Diard:** Univ. Gren

V3-C-7: *Two Stage Psychology-Guided Fine-Grained Editing and Sampling Approach for Mitigating Hallucination in Large Language Models*

Presenting author: **Lei Chen**

Lei Chen: School of Information and Software Engineering, University of Electronic Science and Technology of China; **Xiaohua Wu:** University of Electronic Science and Technology; **Zihan Xiong:** School of Information and Software Engineering, University of Ele

V3-C-8: *Feedback-correcting ConvLSTM-driven Neural Model for Stable Saccadic Visual Perception*

Presenting author: **Elishai Ezra Tsur**

Hadar Cohen Duwek: Open University of Israel; **Yisrael Clark:** The Open University of Israel; **Elishai Ezra Tsur:** The Open University

V3-D-9: *Rapport Development in Human-AI Collaboration Tasks*

Presenting author: **Jacky Doll**

jacky doll: Rensselaer Polytechnic Institute; **Mei Si INSTITUTE:** RPI

V3-D-10: *Contact angle uncertainty influences perceived causality in launching events*

Presenting author: **Yunyan Duan**

Yunyan Duan: Technical University of Darmstadt; **Lina Eicke-Kanani:** Department of Psychology, Center for Cognitive Science, Technical University of Darmstadt; **Fabian Tatai:** Technical University of Darmstadt; **Thomas S. A. Wallis:** Technical University of Dar

V3-F-11: *Toddlers Use Vocal Cues to Infer Male Dominance Over Females in Right-of-Way Conflict*

Presenting author: **Flavia Filesì**

Flavia Filesì: Department of Psychology, University of Oslo; **Bjørn Dahl Kristensen:** University of Oslo; **Erik K. Fonn:** Department of Psychology, University of Oslo; **Joakim Haugane Zahl:** Department of Psychology; **Mathilde Massenet:** Department of Communicati

V3-G-12: *Amortizing Structure Discovery with Generative Flow Networks*

Presenting author: **Alex Guerra**

Alex Guerra: Princeton University; **Aditya Palaparthi:** Princeton University; **Sarah-jane Leslie:** Princeton University; **Robert Hawkins:** Stanford University

V3-H-13: *The Ritualization of Complex Skill Acquisition: Cultural Transmission of Mastery of Indian Miniature Paintings*

Presenting author: **Faiz Ahmad Hashmi**

Faiz Ahmad Hashmi: The University of Texas at Austin; **Alejandro Erut:** UM6P; **Zachary Michael Taylor:** University of Texas at Austin; **Cristine Legare:** University of Texas at Austin

V3-H-14: *Evaluating sensorimotor knowledge in large language models*

Presenting author: **John Hollander**

John Hollander: Arkansas State University

V3-H-15: *Developmental Trajectories of Metacognition in Auditory Serial Recall of Environmental Sounds*

Presenting author: **Leyu Huang**

Leyu Huang: University of Lincoln; **Florian Kattner:** Health and Medical University Potsdam; **Timothy Hodgson:** University of Lincoln; **Julia Föcker:** University of Lincoln



V3-I-16: *Working Memory Retention Span in the Invisible Displacement Task in Horses*

Presenting author: **Tomasz Smoleń**

Ida Ilmer: Jagiellonian University; **Tomasz Smoleń:** Jagiellonian University

V3-I-17: *Do perceivers contribute to object perception?*

Presenting authors: **Spencer Ivy** and **Aleksandra Mroczo-Wasowicz**

Spencer Ivy: University of Warsaw; **Aleksandra Mroczo-Wasowicz:** University of Warsaw

V3-J-18: *Control and Responsibility Role in Moral Judgment and Decision-Making*

Presenting author: **Simon Jeauffreau**

Simon Jeauffreau: University of Toulouse; **Rui Manuel Da Silva Neves:** University of Toulouse; **Julie Lemarié:** University of Toulouse

V3-J-19: *Explicit Cooperation Shapes Human-Like Multi-Agent LLM Negotiation*

Presenting author: **Yanru Jiang**

Yanru Jiang: University of California Los Angeles; **Gülşah Akçakır:** University of California, Los Angeles

V3-K-20: *Orthographic Complexity Moderates Eye Movements While Reading in Hindi, Along with Length & Frequency*

Presenting author: **Niket Agrawal**

Sidak Singh Kalra: Indian Institute of Technology, Kanpur; **Niket Agrawal:** Indian Institute of Technology; **Ark Verma:** Indian Institute of Technology Kanpur

V3-K-21: *Changing Response Patterns: The cognitive Mechanisms behind Stereotype Threat Effects on Women*

Presenting author: **Kim Keller**

Kim Sophie Keller: Institute of Psychology Heidelberg; **Andreas Voss:** Heidelberg University

V3-K-22: *Singular “they” exposure increases singular interpretations in ambiguous pronouns*

Presenting author: **James R. Kesan**

James Ravi Kesan: University of North Carolina-Chapel Hill; **Jennifer Arnold:** UNC Chapel Hill

V3-K-23: *Evidence for Distinct Factive and Non-Factive Mentalization Systems in Adults and Infants*

Presenting author: **Anna Kispál**

Anna Kispál: Central European University; **Agnes Kovacs:** CEU

V3-L-24: *Be concrete and specific: how speakers introduce novel topics in naturalistic language*

Presenting author: **Tommaso Lamarra**

Tommaso Lamarra: University of Bologna; **Andrea Amelio Ravelli:** Università di Bologna; **Marianna M Bolognesi:** Modern Languages Dep; **Gabriella Vigliocco:** University College London

V3-L-25: *How do Humans and Language Models Reason About Creativity? A Comparative Analysis*

Presenting author: **Antonio Laverghetta Jr.**

Antonio Laverghetta Jr.: Pennsylvania State University; **Tuhin Chakrabarty:** Stony Brook University; **Tom Hope:** The Hebrew University of Jerusalem; **Jimmy Pronchick:** Pennsylvania State University; **Krupa Bhawsar:** Pennsylvania State University; **Roger Beaty:** Pen

V3-L-26: *The emergence of flexible perspective reasoning in large language models*

Presenting author: **Tiana V. Simovic**

Pablo Leon Villagra: Brown University; **Tiana V. Simovic:** University of Toronto; **Craig Chambers:** University of Toronto

V3-L-27: *The Impact of Taxonomic Levels on Classifier Choice in Mandarin Chinese*

Presenting author: **Jialing Liang** and **Yunfang Dong**

Jialing Liang: Universitat Pompeu Fabra; **Yunfang Dong:** Westlake University

V3-L-28: *Towards a Formal Theory of the Need for Competence via Computational Intrinsic Motivation*

Presenting author: **Erik Matias Lintunen**

Erik Matias Lintunen: Aalto University; **Nadia M. Ady:** Aalto University; **Sebastian Deterding:** Imperial College; **Christian Guckelsberger:** Aalto University

V3-M-29: *Impact of sequential reports with different source dependencies*

Presenting author: **Jens Koed Madsen**

Jens Koed Madsen: London School of Economics; **Saoirse Ami Connor Desai:** University of New South Wales; **Toby D Pilditch:** University College London

V3-M-30: *From Curiosity to Competence: How World Models Interact with the Dynamics of Exploration*

Presenting author: **Fryderyk Mantiuk**

Fryderyk Mantiuk: University of Tübingen; **Hanqi Zhou:** University of Tuebingen; **Charley M Wu:** University of Tübingen

V3-M-31: *Examining Individual Differences in Within-Category Variability Reasoning*

Presenting author: **Olympia Mathiapparanam**

Olympia N. Mathiapparanam: University of Rochester; **Pablo Leon Villagra:** Brown University; **Daphna Buchsbaum:** Brown University; **Karl Rosengren:** University of Rochester

V3-M-32: *Confidence in absence as confidence in counterfactual visibility*

Presenting author: **Maya Schipper**

Matan Mazor: University of Oxford; **Maya Schipper:** University of Oxford



V3-M-33: *On the Role of Nonsymbolic and Symbolic Numeracy Skills in Number-Line Estimation Processes*

Presenting author: **Mayb  Morell Ruiz**

Mayb  Morell Ruiz: Lund University; **Eva-Maria Ternblad:** Lund University; **Sonja Holmer:** Lund University; **Agneta Gulz:** Lund University; **Betty T rning:** Lund university

V3-M-34: *Korean monolingual children's comprehension of suffixal passive construction: A webcam eye-tracking study*

Presenting author: **Gyu-Ho Shin**

Seongmin Mun: Kyungpook National University; **Gyu-Ho Shin:** University of Illinois Chicago

V3-N-35: *Noisy template matching: A mechanistic model of approximate number perception*

Presenting author: **Chuyan Qu**

Long Ni: New York University; **Chuyan Qu:** University of Pennsylvania; **Alan A. Stocker:** University of Pennsylvania; **Elizabeth M Brannon:** University of Pennsylvania

V3-N-36: *Dense Sentence Sets Induce an Anchor-and-Baseline Strategy in Likert Scale Acceptability Judgments*

Presenting author: **Artem Novozhilov**

Artem Novozhilov: University of Nova Gorica; **Kirill Chuprinko:** University of Nova Gorica; **Artur Stepanov:** University of Nova Gorica

V3-O-37: *Epistemic Monocultures and the Effect of AI Personalization*

Presenting author: **Joseph O'Brien**

Joseph D O'Brien: University of California, San Diego; **Hannah Rubin:** University of Missouri; **Kekoa Wong:** Verily; **Sina Fazelpour:** Northeastern University

V3-O-38: *Empathy or Utility: Children's Reasoning for Moral Consideration of AI*

Presenting author: **Sunhyo Oh**

Sunhyo Oh: University of Michigan; **Tianjiao Zhang:** Harvard Graduate School of Education; **Ying Xu:** Harvard University

V3-K-39: *LLM-Generated Semantic Networks Predict Semantic Priming Effects on Human Reaction Times in a Word-Recognition Task*

Presenting author: **David Kinney**

David B Kinney: Washington University in St. Louis

V3-P-40: *Same memory, different words: The Role of Language, Proficiency and Cognitive Load in Traumatic Autobiographical Memory Recall*

Presenting author: **Eleni Papadopoulou**

Eleni Papadopoulou: Deree, American College of Greece; **Eirini Balta:** Panteion University of Social and Political Sciences; **Argiro Vatakis:** Panteion University of Social and Political Sciences; **Eleni Orfanidou:** Deree, The American College of Greece

V3-P-41: *What makes a conversation interesting? Linguistic features predictive of interest in educational conversations between teachers and learners of English*

Presenting author: **Chiara Gambi**

Mahathi Parvatham: University of Warwick; **Xingwei Tan:** University of Warwick; **Gabriele Pergola:** University of Warwick; **Chiara Gambi:** University of Warwick

V3-P-42: *Children Prioritize Age over Gender when Evaluating Adults' Technological Knowledge*

Presenting author: **Khushboo S. Patel**

Khushboo S Patel: University of Louisville; **Judith Danovitch:** University of Louisville

V3-P-43: *The Low Prevalence Effect with Random Motion Stimuli in a Visual Search Task*

Presenting author: **Sylvia Guillory**

Chad Peltier: Leidos, Inc.; **Sylvia Guillory:** Naval Submarine Medical Research Laboratory; **Krystina Diaz:** Naval Submarine Medical Research Laboratory; **Jeffrey Bolkhovsky:** Naval Submarine Medical Research Laboratory

V3-P-44: *A Cognitively Plausible Visual Working Memory Model*

Presenting author: **Anna Penzkofer**

Anna Penzkofer: University of Stuttgart; **Michael Furlong:** University of Waterloo; **Chris Eliasmith:** University of Waterloo; **Andreas Bulling:** University of Stuttgart

V3-P-45: *Order Effects in Evidence Chains: Normative and Na ve Evaluations*

Presenting author: **Kirsty Phillips**

Kirsty Phillips: Birkbeck, University of London; **Ulrike Hahn:** Birkbeck, University of London

V3-R-46: *Folk epistemological attitudes toward using virtual reality (VR) to learn about others*

Presenting author: **Mira Raju**

Mira Raju: National Institutes of Health; **Judy Kim:** Johns Hopkins University

V3-R-47: *Individual differences in the delay effect across scales*

Presenting author: **Sonia Ramotowska**

Sonia Ramotowska: University of Amsterdam

V3-R-48: *Perceptually Training Viewers against Misleading Data Visualizations with Informative feedback*

Presenting author: **Jihyun Rho**

Jihyun Rho: University of Wisconsin-Madison; **Shubham Kumar Bharti:** University of Wisconsin-Madison; **Shiyun Cheng:** University of Wisconsin-Madison; **Martina A. Rau:** Federal Institute of Technology (ETH) Zurich; **Jerry Zhu:** University of Wisconsin-Madison



V3-R-49: *Why Do Students Struggle with Percentage Problems? Examining Challenges in Answer and Task Formats*

Presenting author: **Markus Spitzer**

Eileen Richter: Martin-Luther University, Halle-Wittenberg;
Korbinian Moeller: Loughborough University; **Markus Spitzer:** Martin-Luther University, Halle-Wittenberg

V3-R-50: *Variable Properties of Auditory Image Analysis: A Case Study of Selected Musical Works*

Presenting author: **Adam Rosiński**

Adam Rosiński: The Feliks Nowowiejski Academy of Music in Bydgoszcz,

V3-R-51: *Continuity and discontinuity in children's number acquisition*

Presenting author: **Saige Rovero**

Saige Rovero: Wesleyan University; **Talia Berkowitz:** Wesleyan University; **Anna Shusterman:** Wesleyan University

V3-R-52: *Can children represent and compute over mixed sets with the Approximate Number System?*

Presenting author: **Candice Rubie**

Candice Rubie: University of Waterloo; **Stephanie Denison:** University of Waterloo

V3-S-53: *Accessing the meanings of sublexical forms during visual word recognition*

Presenting author: **Kyan Salehi**

Kyan Salehi: Concordia University; **Roberto G. de Almeida:** Concordia University

V3-S-54: *Deaf Signers Adapt Their Eye Gaze Behaviour When Processing an Unknown Sign Language*

Presenting author: **Jennifer Sander**

Jennifer Sander: Max Planck Institute for Psycholinguistics; **Nina-Kristin Meister:** Georg-August-Universität Göttingen; **Thomas A. Finkbeiner:** Georg-August-Universität Göttingen; **Caroline F Rowland:** Max Planck Institute for Psycholinguistics; **Markus Steinba**

V3-S-56: *Exploring Vector Representations for Phonological Similarity*

Presenting author: **Stephen Schrock**

Stephen Schrock: Trinity University; **Minyu Chang:** Trinity University; **Nick Reid:** University of Northern British Columbia

V3-S-57: *The Effect of Timescale Dependence on Dyadic Interactions*

Presenting author: **Gabriel J Severino**

Gabriel Juliano Severino: Indiana University Bloomington; **Sasha L Winkler:** Indiana University Bloomington; **Ann-Sophie Barwich:** Indiana University Bloomington

V3-S-58: *Spatial skills in grassroots athletes and athletes with functional impairments: A screening study in Latvia*

Presenting author: **Jurgis Skilters**

Jurgis Skilters: University of Latvia; **Liga Zarina:** University Of Latvia; **Solvita Umbrasko:** University of Latvia; **Santa Bartušēvica:** University of Latvia; **Laura Zelģe:** University of Latvia

V3-S-59: *What Do People Expect from Expected Value?*

Presenting author: **Tomasz Smoleń**

Tomasz Smoleń: Jagiellonian University; **Paweł Basoń:** Jagiellonian University; **Bartłomiej Krocze:** Centre for Cognitive Science, Jagiellonian University; **Hanna Kucwaj:** Faculty of Psychology in Krakow, SWPS University; **Konrad Sak:** Centre for Cognitive Scien

V3-S-60: *Prosody in the Age of AI: Insights from Large Speech Models*

Presenting author: **Samuel S Sohn**

Samuel S Sohn: Rutgers University; **Sten Knutsen:** Rutgers University; **Karin Stromswold:** Rutgers University

V3-S-61: *Examining the Robustness of Neural Correlates of Infants' Sociomoral Evaluations*

Presenting author: **Zohreh Soleimani**

Zohreh Soleimani: University of British Columbia ; **Enda Tan:** University of British Columbia; **Lauren Emberson:** University of British Columbia; **Kiley Hamlin:** University of British Columbia

V3-S-62: *Categories from dimensions: Population-level computational modelling of neurodevelopmental conditions*

Presenting author: **Qidong Song**

Qidong Song: Department of Psychological Sciences, Birkbeck, University of London; **Michael Thomas:** Birkbeck, University of London

V3-S-63: *Less Than the Sum of its Parts: Complex Models of Cognition Struggle to Capture Regional Activity within Otherwise Well-Fitting Model Structures*

Presenting author: **Sönke Steffen**

Sönke Steffen: University of Groningen; **Catherine Sibert:** University of Groningen

V3-T-64: *What or where? Infants Interpret Pointing as Referring to a Location Rather Than to a Specific Object*

Presenting author: **Tibor Tauzin**

Tibor Tauzin: University of Vienna; **Tiziana Srdoc:** University of Vienna; **Jutta L. Mueller:** University of Vienna



V3-T-65: *Infants' Expectations About the Kinds of Distal Effects Communicative Actions Can Induce*

Presenting author: **Tibor Tauzin**

Tibor Tauzin: University of Vienna; **Eszter Körtvélyesi:** Central European University; **Erno Tégla:** Central European University; **Gyorgy Gergely:** Central European University

V3-T-66: *The Role of Nonverbal IQ in Diagnosing Developmental Language Disorder in Multilingual Children*

Presenting author: **Jenny Thillmann**

Jenny Thillmann: TU Dortmund University; **Tina Ghaemi:** TU Dortmund University; **Anna-Lena Scherger:** TU Dortmund University

V3-V-68: *From Degraded Inputs to Robust Sensory Cognition: A Computational Perspective on Early Perceptual Development*

Presenting author: **Lukas Vogelsang**

Marin Vogelsang: MIT; **Lukas Vogelsang:** MIT; **Sidney Diamond:** MIT; **Pawan Sinha:** Massachusetts Institute of Technology

V3-V-69: *Concept and Feature Change in Scientific and Deep Neural Net Representations*

Presenting author: **Ioannis Votsis**

Ioannis Votsis: Northeastern University London

V3-Y-70: *Text as a source of perceptual signal*

Presenting author: **Cameron C Yetman**

Cameron C Yetman: University of Toronto

V3-Y-71: *Joint Action and Reward-Seeking in a Social Probability-Learning Task*

Presenting author: **Bar Yosef**

Bar Yosef: University of California, Los Angeles; **Gedeon O Deak:** UC San Diego

V3-Y-72: *EEG Delta-Beta Coupling in 2-year-old Offspring of Pregnant Persons Receiving a Diet-and-Exercise Intervention: A Randomized Controlled Trial Follow-up*

Presenting author: **Kian Yousefi Kousha**

Kian Yousefi Kousha: McMaster University; **John Krzeczowski:** Brock University; **Neda Moratji:** McMaster University; **Ryan Van Lieshout MD, PhD, FRCPC:** McMaster University

V3-Y-73: *Exploring 3- and 11-month-olds' understanding of social versus nonsocial goals*

Presenting author: **Francis Yuen**

Francis Yuen: University of British Columbia; **Kiley Hamlin:** University of British Columbia

V3-Z-74: *Enhancing Educator Support in MOOC Forums: A Multi-Task Model for Detecting Learning Confusion*

Presenting author: **Tongyu Zhao**

Tongyu Zhao: University of Minho; **Jiaying Gao:** School of Artificial Intelligence; **Yatong Zu:** Jilin University; **Adriano Tavares:** University of Minho; **Tiago Gomes:** University of Minho; **Sandro Pinto:** Universidade do Minho; **Hao Xu:** Jilin University

V3-Z-75: *Balancing Rigor and Utility: Mitigating Cognitive Biases in Large Language Models for Multiple-Choice Questions*

Presenting author: **Hanyang zhong**

hanyang zhong: University of York; **Liman Wang:** University of York; **WENTING CAO:** Jena University Hospital; **ZEYUAN SUN:** King's College London

V3-Z-76: *Institutional preferences in the laboratory*

Presenting author: **Qiankun Zhong**

Qiankun Zhong: Max Planck Institute for Human Development; **Seth Frey:** UC Davis; **Nori Jacoby:** Cornell University; **Ofer Tchernichovski:** Hunter College

V3-H-77: *Augmented Proof: Examining Structures to Support Geometric Proof Comprehension*

Presenting author: **Hwei-Shin Harriman**

Hwei-Shin Harriman: Carnegie Mellon University; **Yuchen Jin:** University of Wisconsin - Madison; **Peter Cheng:** University of Sussex; **Dominik Moritz:** Carnegie Mellon University; **Joshua Sunshine:** Carnegie Mellon University

V3-K-78: *Can LLMs model meaning in restorying interventions?*

Presenting author: **Dr Cody Kommers**

Cody Kommers: The Alan Turing Institute; **William Cunningham:** University of Toronto

V3-C-79: *Late cortical response underlying the symmetry-induced numerosity underestimation illusion*

Presenting author: **Dr Elisa Castaldi**

Elisa Castaldi: University of Florence; **Dr Alessandro Benedetto:** University of Florence; **Dr Roberto Arrighi:** University of Florence

V3-M-80: *Functional category induction with theory-neutral cognitive biases*

Presenting author: **Mila Marcheva**

Mila Marcheva: University of Cambridge; **Theresa Biberauer:** University of Cambridge; **Weiwei Sun:** University of Cambridge

V3-K-81: *Sense-Making, Cultural Scripts, and the Inferential Basis of Meaningful Experience*

Presenting author: **Dr Cody Kommers**

Cody Kommers: The Alan Turing Institute; **Simon DeDeo:** Carnegie Mellon University



V3-M-82: *Manipulating Predictive Focus Improves the Taste Appreciation of Coffee*

Presenting author: Chiyu Maeda

Chiyu Maeda: Osaka University; Toshimasa Yagi: ALTALENA Co. Ltd.; Satoshi Nishida: National Institute of Information and Communications Technology

V3-L-83: *The Decision Environment and Confidence in Experiential Risky Choice*

Presenting author: Kuang-Heng Li

Kuang-Heng Li: University of Warwick; Prisca S. Han: University of Warwick; Wenjia Joyce Zhao: University of Warwick; Emmanouil Konstantinidis: University of Warwick

V3-S-84: *MESS (Mimed Expressive Short Stories) Database: Showcasing the potential of pantomime for story transmission*

Presenting author: Marta Sibierska

Marta Sibierska: Nicolaus Copernicus University; Klaudia Karkowska: Nicolaus Copernicus University; Marek Placiński: Nicolaus Copernicus University in Toruń; Monika Boruta-Zywiczynska: Nicolaus Copernicus University; Antoni J Żyndul: Nicolaus Copernicus U

VIRTUAL POSTER SESSION 4:

FRIDAY, AUGUST 1

Session time: midnight – 1:00am PDT

V4-A-1: *Empathy and Music Preferences: Exploring Valence-Arousal Patterns, and Sequential Listening Behaviors in Naturalistic Settings*

Presenting author: Jatin Agarwala

Jatin Agarwala: International Institute of Information Technology, Hyderabad; Sriharsha M S S: International Institute of Information Technology; Jonna Vuoskoski: University of Oslo; Vinoo Alluri: International Institute of Information Technology, Hydera

V4-B-2: *Chosen or Assigned: Exploring the Notion of Choice in the Manifestation of the Ingroup Bias*

Presenting author: Abhishek Baba

Abhishek Baba: Indian Institute of Technology Kanpur; Ark Verma: Indian Institute of Technology Kanpur

V4-B-3: *Common Ground Building through Generative Cognitive Modules: Examining the Roles of Initial Perception, Imaging and Captioning*

Presenting author: Ryunosuke Baba

Ryunosuke Baba: Shizuoka university; Junya Morita: Shizuoka University; Takeru Amaya: Shizuoka university; Ryuichiro Higashinaka: Nippon Telegraph and Telephone Corporation; Yugo Takeuchi: Shizuoka University

V4-B-4: *Interaction of language-specific and cross-linguistic strategies during agreement computation - Evidence from Hindi*

Presenting author: Pranab Bagartti

Pranab Bagartti: Indian Institute of Technology Delhi; Samar Husain: Indian Institute of Technology

V4-B-5: *How Generative Music Affects the ISO Principle-Based Emotion-Focused Therapy: An EEG Study*

Presenting author: Jiangtao Gong

Jiayu Bao: Soochow University; Yaxing Lyu: Xiamen University Malaysia; Jingyi Yang: Beijing University of Chemical Technology; Yucheng Jin: Duke Kunshan University; Jiangtao Gong: Tsinghua University

V4-B-6: *Children's Skills, Interests, and Play in Object and Spatial Visual Domains: Maternal Evaluations & Field Observations*

Presenting author: Olesya Blazhenkova

Olesya Blazhenkova: Sabanci University; elifnur asilkefeli: City St George's, University of London; Alexey Kotov: Higher School of Economics; Tatyana Kotova: RANEP; Ezgi Bostanci: Sabanci University

V4-C-7: *Dimensions of Vulnerability in Visual Working Memory: An AI-Driven Approach to Perceptual Comparison*

Presenting author: Yuang Cao

Yuang Cao: Southern University of Science and Technology; Jiachen Zou: Southern University of Science and Technology; Chen Wei: Southern University of Science and Technology; Quanying Liu: Southern University of Science and Technology

V4-C-8: *Dissecting the interplay between corpus properties, algorithm, and word segmentation performance*

Presenting author: Jun Ho Chai

Jun Ho Chai: Sunway University; Seongmin Mun: Ajou university; Eon-Suk Ko: Chosun University

V4-C-9: *Cognitive Decision-Making in TSP Tasks: The Impact of Line Stylization Features of Point Arrays*

Presenting author: Chen Chen, Ruimin Lyu

Chen Chen: Jiangnan University; Ruimin Lyu: Jiangnan University

V4-C-10: *Contextual Malleability of Empathy: Effects of Trait Level, Group Membership, and Event Valence on Emotional Empathy*

Presenting author: Yi Ping Hsu

Yen-Cheng Chen: National Cheng Kung University; Chen Jung Chen: National Cheng Kung University; Shu-Ling Peng: National Cheng Kung University; Po-Sheng Huang: National Taiwan University of Science and Technology; Jon-Fan Hu: National Cheng Kung University



V4-C-11: Systemic Barriers to Indigenous Higher Education: A Comparative Analysis of the United States and Australia

Presenting author: Yingxiang Chen

Yingxiang Chen: University of Bath

V4-C-12: Sexual Selection Preferences in Anthropomorphized Imagery of Interpretative Graphics in Quantitative Visualization

Presenting author: Ruimin Lyu

Yongle Cheng: Jiangnan University; Ruimin Lyu: Jiangnan University

V4-C-13: Alpha band activity over the sensorimotor cortex during passive music listening correlates with beat tapping performance

Presenting author: Francisco Cossavella

Francisco Cossavella: Laboratorio de Inteligencia Artificial Aplicada Instituto de Investigación en Ciencias de la Computación, CONICET- UBA; Martín Dottori: Universidad de San Andrés; Martín Miguel: McMaster University ; Diego Fernandez Slezak: Universid

V4-D-14: Self-supervised EEG Representation Learning based on Temporal Prediction and Spatial Reconstruction for Emotion Recognition

Presenting author: Ren-Jie Dai

Ren-Jie Dai: Shanghai Jiao Tong University; Keya Hu: School of Electronic Information and Electrical Engineering; Haolong Yin: Shanghai Jiao Tong University; Bao-Liang Lu: Shanghai Jiao Tong University; Wei-Long Zheng: Shanghai Jiao Tong University

V4-D-15: Structuralist Approach to AI Literary Criticism: Leveraging Greimas Semiotic Square for Large Language Models

Presenting author: Fangzhou Dong

Fangzhou Dong: Sun Yat-sen University; Yifan Zeng: Sun Yat-sen University; Yingpeng Sang: Sun Yat-sen University; Hong Shen: Central Queensland University

V4-D-16: Evidence-Enhanced Triplet Generation Framework for Hallucination Alleviation in Generative Question Answering

Presenting author: Haowei Du

Haowei Du: Wangxuan Computer institution; Dongyan Zhao: Peking Univeristy

V4-D-17: ECCoT: A Framework for Enhancing Effective Cognition via Chain of Thought in Large Language Model

Presenting author: Zhenke Duan

Zhenke Duan: Zhongnan University of Economics and Law; Jiqun Pan: Zhongnan University of Economics and Law; Jiani Tu: Zhongnan University of Economics and Law; Xiaoyi Wang: Zhongnan University of Economics and Law; wang yanqing: Zhongnan University of Eco

V4-D-18: PiPMRE: A Pipeline Based on Language Model for Medical Relation Extraction

Presenting author: Jiaxin Duan

Jiaxin Duan: Peking University; Fengyu Lu: Peking University; Junfei Liu: Peking University

V4-E-19: Examining Item Difficulty in NLP: To What Extent Do Examinees Affect Item Difficulty?

Presenting author: Yo Ehara

Yo Ehara: Tokyo Gakugei University

V4-F-20: Neural correlates of mental attention in adolescents: a cross-sectional fMRI study

Presenting author: Andrei Faber

Andrei Faber: HSE University; Zhanna Chuikova: Institute of Cognitive Neuroscience; Asya Istomina: HSE University; Marie Arsalidou: York University

V4-F-21: Co-Constructing Meaning with Large Language Models: A Longitudinal Analysis of Human-AI Dialogues in Emotional Support Contexts

Presenting author: Guangrui Fan

Guangrui Fan: Taiyuan University of Science and Technology; Dandan Liu: Universiti Malaya

V4-F-23: From Brainwaves to Understanding: A Study on EEG-Based Communication Systems

Presenting author: Farhana Umme

Umme Farhana: Shizuoka University; Junya Morita: Shizuoka University

V4-G-24: The Impact of Direct and Implied Claims in Advertising

Presenting author: SIMRAN GUPTA

SIMRAN GUPTA: Indian Institute of Technology Guwahati

V4-G-25: Neural Thurstone Model: Leveraging Latent Spaces for Collective Intelligence in Ranking Predictions

Presenting author: Jin Bai

Necdet Gurkan: University of Missouri; Jin Bai: University of Missouri - St. Louis

V4-H-26: Multi-view Feature Selection with Reinforcement Learning for EEG-based Automated ESES Diagnosis

Presenting author: Zhipeng He

Zhipeng He: Sun Yat-sen University; Yuxuan Li: Sun Yat-sen University; Shishi Tang: Zhongshan School of Medicine, Sun Yat-sen University; Xinxin Peng: The First Affiliated Hospital, Sun Yat-sen University; Rui Yang: Sun Yat-sen University; Xuanhao Qi: Sun



V4-H-27: MSCNN-ADDA: A Cross-Subject P300 EEG Decoding Algorithm Based on a Multi-Scale Convolutional Neural Network and Adversarial Discriminative Domain Adaptation

Presenting author: **Wanying He**

Wanying He: South China Normal University; **Yongxi Zhao:** South China Normal University; **Jiahui Pan:** South China Normal University

V4-H-28: The Effect of Task Features on Children's Number Ordering Performance

Presenting author: **Valerie Yi Jie He**

Valerie YIJIE HE: The Education University of Hong Kong; **Jenny Yun-Chen Chan:** The Education University of Hong Kong

V4-H-29: Emotional Dynamics in Art Appreciation: Aesthetic Engagement with Realist and Surrealist Artworks

Presenting author: **Yuzhang Hu**

Yuzhang HU: BNU-HKBU United International College; **Sijun LIU:** BNU-HKBU United International College; **Rongrong Chen:** Guangdong Provincial/Zhuhai Key Laboratory IRADS

V4-H-30: Transcranial Magnetic Stimulation for Modeling Alzheimer's Disease: A Neural Dynamics Approach with Pre-training

Presenting author: **Yin Tian**

guowei huang: Chongqing University of Posts and Telecommunications; **Yin Tian:** Chongqing University of Posts and Telecommunications

V4-I-31: Children express emotions multimodally before expressing them in speech

Presenting author: **A. Aybüke Ince**

Aybüke A İnce: Middle East Technical University; **Dilay Z. Karadoller:** Middle East Technical University

V4-J-32: Gesture Restrictions effect on Silent Pauses in Emotional Narratives: An Embodied Emotion Perspective

Presenting author: **Riya Jain**

Riya Jain: Indian Institute of Technology, Jammu; **Amitash Ojha:** Indian Institute of Technology, Jammu

V4-J-33: Exploring the Speech-to-Song Illusion: A Comparative Study of Standard Korean and Dialects

Presenting author: **Haesun Joung**

Haesun Joung: Seoul National University; **Ahyeon Choi:** Seoul National University; **Kyogu Lee:** Seoul National University

V4-K-34: Can you imagine the spiciness of a /hi/ sound?

Presenting author: **Toshimune Kambara**

Toshimune Kambara: Hiroshima University; **Mizuki Yoshio:** Hiroshima University

V4-K-35: Developing a Mentoring System Based on Behavior Logging and Personalized Cognitive Modeling

Presenting author: **Nilupul Heshan Randika Kodikara**

Nilupul Heshan Randika Kodikara: Shizuoka University; **Junya Morita:** Shizuoka University

V4-K-36: Existing Models May Not be Able to Explain Letter-Position Encoding in Hindi: Evidence from a Priming Study

Presenting author: **Suraj Kumar**

Suraj Kumar: Indian Institute of Technology Kanpur; **Anurag Khare:** Indian Institute of Technology Kanpur; **Ark Verma:** Indian Institute of Technology Kanpur

V4-L-37: DPMT: Dual Process Multi-scale Theory of Mind Framework for Real-time Human-AI Collaboration

Presenting author: **Xiyun Li**

Xiyun Li: Institute of Automation Chinese Academy of Sciences; **Yining Ding:** Nankai University; **Yuhua Jiang:** Tsinghua University; **Yunlong Zhao:** The Key Laboratory of Cognition and Decision Intelligence for Complex Systems, Institute of Automation Chinese

V4-L-38: Structural Alignment Across Visual and Linguistic Modalities: A Developmental Refinement Perspective

Presenting author: **Luan Li**

Luan Li: Shanghai Jiao Tong University

V4-L-39: EvoAgents: A Cognitive-Driven Framework for Personality Evolution in Generative Agent Society

Presenting author: **Yifan Li**

Yifan Li: Tongji University; **shijie wang:** Tongji University; **Jiale Li:** Tongji University; **Yi Xu:** Tongji University; **Keke Tang:** Tongji University; **Jiangfeng Li:** Tongji University; **Hailong Liu:** Tongji University; **Cui Tang:** Tongji University

V4-L-40: Condensed Representation Learning for Interactive Driving Styles Recognition

Presenting author: **Chengzhang Li**

Chengzhang Li: Tongji University; **Sijin Liu:** Tongji University; **Meng Wang:** Nanyang Technological University; **Zhen Zhang:** Tongji University; **Jintao Lai:** Tongji University; **Xiaoguang Yang:** Tongji University

V4-L-41: BDARec: Balancing Diversity and Accuracy of Recommendation Model with Graph Neural Networks

Presenting author: **Mengmeng Li**

Mengmeng Li: Academy of Military Sciences; **Xinhai Xu:** Academy of Military Sciences; **Hongmei Li:** Academy of Military Sciences; **Zhenyu Li:** Academy of Military Science; **Xianglong Li:** Academy of Military Sciences; **jinlong Tian:** National University of Defense



V4-L-42: Research on Fundamental Issues of Intelligence Cognition

Presenting author: Xiaosong Li

Xiaosong Li: Center for Information Research; Yazhou Sun: Center for Information Research; Shanhong Tang: Center for Information Research

V4-L-43: Capturing User Intent through Integration of Item ID and Modality Information in Session Recommendation

Presenting author: Tiantian Liang

Tiantian Liang: Soochow University; Zhe Yang: Soochow University

V4-L-44: A Brain-Inspired Multimodal Sentiment Analysis Framework via Rationale-Guided Representation

Presenting author: Hao Zhang

Gaifang Luo: Yunnan University; Hao Zhang: Yunnan University; Haomin Tan: School of Information & Engineering, Yunnan University, Kunming, China; Zhijing Wu: Yunnan University; Yinghao Zhang: Yunnan University; Dan Xu: Yunnan University

V4-L-45: SpikeBERT: A Language Understanding Spiking Neural Network Learned from BERT with Knowledge Distillation

Presenting author: Changze Lv

Changze Lv: Fudan University; Tianlong Li: NLP Lab; Xiaohua Wang: Fudan University; muling wu: Fudan University; Wenhao Liu: Fudan University; Shihan Dou: Fudan University; Xiaoqing Zheng: Fudan University; Xuanjing Huang: Fudan University

V4-L-46: The increase in brain network modularity leads to improved memory performance in the volitional eyes-closed state

Presenting author: Guiyang Lv / Guoguang He

Guiyang Lv: Taizhou University; Yi Zhang: Affiliated Kangning Hospital of Ningbo University; Tianyong Xu: Zhejiang University; Jinhang Li: Zhejiang University; Changxiong Chi: University of Melbourne; Ping Zhu: Zhejiang University; Guoguang He: Zhejiang U

V4-L-47: Efficiency in Writing Systems: Testing Zipf's Law of Abbreviation Across Letters, N-Grams, and Words

Presenting author: Ruimin Lyu

Ruimin Lyu: Jiangnan University; Sihan Wang: Jiangnan University; Guoying Yang: Jiangnan University

V4-M-48: Cognitive Mechanisms in Loan Marketing: Insights from Concept Mappings

Presenting author: Rui Mao

Rui Mao: Nanyang Technological University; Tao Wang: Tianjin University; Xulang Zhang: Nanyang Technological University; Xinlong Li: Nanyang Technological University; Erik Cambria: NTUSg

V4-M-49: Narrative Communication as a Learning Tool for Resolving Exploration-Exploitation Dilemmas

Presenting author: Isobel Moore

Isobel Moore: University of Melbourne; Francis Mollica: University of Melbourne; Yoshihisa Kashima: University of Melbourne

V4-M-50: Synesthetic Metaphors May Involve Conceptual Mappings

Presenting author: Mai Mori

Mai Mori: Nagoya University; Hinano Iida: Nagoya University; Kimi Akita: Nagoya University

V4-N-52: Reconstruction of Time-Varying Appeal Inputs that Induce Blink Rate Synchrony

Presenting author: Ryota Nomura

Ryota Nomura: Waseda University

V4-O-53: An Intervention Program: Helping Deaf Children with Hearing Parents in Acquiring Turkish Sign Language

Presenting author: Hilal Özdemir

Hilal Özdemir: Middle East Technical University; Maharrem Ayar: Centre for Mind and Brain; Dilay Z. Karadoller: Middle East Technical University

V4-P-54: Investigating representations of time in light verb constructions during verb comprehension

Presenting author: Lillian Phillips, Annika Tjuka, & Yoolim Kim

Lillian Phillips: Wellesley College; Annika Tjuka: Max Planck Institute for Evolutionary Anthropology; Yoolim Kim: Carleton College

V4-P-55: A metacognitive appraisal of quitting

Presenting author: Hariharan Purohit

Hariharan Purohit: Indian Institute of Technology Kanpur; Nisheeth Srivastava: Indian Institute of Technology

V4-R-56: Re-evaluating the Numerical-Perceptual Distinction in the Attraction Effect

Presenting author: Tapas Ranjan Rath

Tapas Ranjan Rath: Indian Institute of Technology Kanpur; Vijay Marupudi: Georgia Institute of Technology

V4-R-57: Text Typography with Font Size Variations to Distinguish Information Importance Improves Chinese Readability

Presenting author: Hui Ren

Hui Ren: Chongqing Normal University; Ruimin Lyu: Jiangnan University



V4-R-58: KWS-TA-CNN Network: Towards Lightweight Mild Cognitive Impairment Detection Using Eye-Tracking Signals From Virtual Reality Stroop Test

Presenting author: Menglan Ruan

Menglan Ruan: Southeast University; Wenyuan Li: Nanjing Medical University; Lei Jin: Southeast University; Leqi Yang: Southeast University; Wenbin Luo: Southeast University; Bin Liu: Nanjing Medical University; Chunfeng Yang: Southeast University; Wentao

V4-S-59: Emergence of Communication: A Comparative Study of Instance-Based Learning in ACT-R and PyIBL

Presenting author: Kenya Sasaki

Kenya Sasaki: Shizuoka University; Junya Morita: Shizuoka University

V4-S-60: WalkMore: Exploring the Role of a Personalized Humorous Nudge Architecture on People's Walking Behavior

Presenting author: Aditi Sharma

Aditi Sharma: Tata Consultancy Services Research; Jonathan Eleazer Sawian: Tata Consultancy Services Research; Mayuri Duggirala: Tata Research Development and Design Centre

V4-S-61: Emotional Parameters in Cognitive Architecture: Examination Through Simple Memory Performance

Presenting author: Kohei Shimbori

Kohei Shimbori: Shizuoka University; Masaru Shirasuna: Shizuoka University; Junya Morita: Shizuoka University

V4-S-62: Using Erroneous Worked-out Examples for Supporting Collaborative Learning: An Investigation Based on the Cognitive Model of Link Errors using ACT-R

Presenting author: Shigen Shimojo

Shigen Shimojo: Ritsumeikan Global Innovation Research Organization; Yugo Hayashi: Ritsumeikan University

V4-S-63: Universals in Visual Word Recognition: Investigating the Optimal Viewing Position for Visual Words in Hindi

Presenting author: Anurag Khare

Prajna Sinha: University Of Hyderabad ; Tvadeeya Dharmesh Shah: National Forensic Sciences University ; Poonam Yadav: National Forensic Sciences University ; Anurag Khare: Indian Institute of Technology Kanpur; Ark Verma: Indian Institute of Technology Ka

V4-S-64: Mamba-CCA: An Efficient Framework for EEG Emotion Recognition

Presenting author: Zichen Song

Zichen Song: Lanzhou University; Yuxin Wu: LANZHOU UNIVERSITY

V4-S-65: SAMM: A Selective Attention Sequential Model for EEG-EOG Vigilance Estimation

Presenting author: Zichen Song

Zichen Song: Lanzhou University; Yuxi Tong: central university of financial and economics; Yuxin Wu: LANZHOU UNIVERSITY

V4-S-66: Improvisation in Motion: Exploring How Expertise Affects Perception of Joint Actions

Presenting author: Trinidad Belén Speranza

Trinidad Belén Speranza: National Scientific and Technical Research Council; Verónica Ramenzoni: National Scientific and Technological Council of Argentina

V4-S-67: AC-CDCN:A Cross-Subject EEG Emotion Recognition Model with Anti-Collapse Domain Generalization

Presenting author: Yubin Sun

Yubin Sun: Xidian University; Liying Yang: xidian university; Huanyu He: xidian university; Jingtiao Du: Xidian University

V4-T-68: Unveiling Cultural Cognition in AI: A Systematic Investigation of Horizontal-Vertical Individualism-Collectivism Traits in Large Language Models

Presenting author: Fangzhou Dong

Xu Tang: SouthEastUniversity; Yifan Zeng: Sun Yat-sen University; Fangzhou Dong: Sun Yat-sen University

V4-T-69: Representational similarity analysis between ADHD and SCZ based on functional brain network

Presenting author: Yin Tian

Binsong Tang: Chongqing University of Posts and Telecommunications; Yu Xiong: Chong University of Posts and Telecommunications; Yin Tian: Chongqing University of Posts and Telecommunications

V4-T-70: Eye movement behavior during mind wandering in older adults

Presenting author: Xiaoru Teng

Xiaoru Teng: The University of Hong Kong; Gloria Wong: University of Reading; Antoni B. Chan: City University of Hong Kong; Janet Hsiao: Hong Kong University of Science & Technology

V4-T-71: M2TQA:A Metacognitive Framework for Multi-Table Question Answering

Presenting author: Jinlong Tian

Jinlong Tian: National University of Defense Technology; Yuhua Tang: National University of Defense Technology; Kejia Wan: National University of Defense Technology; Hao Tang: National University of Defense Technology; Qiyan Zhang: National University of

V4-T-72: JMS2A: Joint Multi-source Domain and Two-step Alignment Strategy for Cross-subject EEG Emotion Recognition

Presenting author: Yang Tian

Yang Tian: Xidian University; Liying Yang: xidian university; Jingtiao Du: Xidian University; Huanyu He: xidian university



V4-W-73: Emotional Resonance in Film: Disentangling the Effects of Music on Moral Judgments in Dilemmas

Presenting author: **Zhiying Wang**, Zihua Yu

Zhiying Wang: BNU-HKBU United International College; **Zihua Yu**: BNU-HKBU United International College; **Rongrong Chen**: Guangdong Provincial/Zhuhai Key Laboratory IRADS

V4-W-74: Empowering Cross-Patient Adaptive-Length Epilepsy Diagnosis with ECGNorm: A Channel-wise Approach

Presenting author: **Tao Lu**

Kaixuan WANG: Guangdong Institute of Intelligence Science and Technology; **Tao Lu**: Guangdong Institute of Intelligence Science and Technology; **Shangyang Li**: Guangdong Institute of Intelligence Science and Technology

V4-W-75: Evaluating the Linguistic Competence of Large Language Models: Experimental Evidence from Center-embedding Structures

Presenting author: **Mengkai Wang**

Mengkai Wang: Beijing Foreign Studies University

V4-W-77: Schema-Induced Emotional Arousal Enhances Task Performance: A Pupillometric Investigation of Top-Down Cognitive Influence

Presenting author: **Emika Watanabe**

Emika Watanabe: Graduate School of Human Science; **Shigen Shimojo**: Ritsumeikan Global Innovation Research Organization; **Yugo Hayashi**: Ritsumeikan University

V4-W-78: Clicking, Fast and Slow: Towards Intuitive and Analytical Behaviors Modeling for Recommender Systems

Presenting author: **Youlin Wu**

Youlin Wu: Dalian University of Technology; **Haoxi Zhan**: Dalian University of Technology; **Yuanyuan Sun**: College of Computer Science and Technology; **Haohao Zhu**: Dalian University of Technology; **Bo Xu**: School of Computer Science and Technology; **Liang Yang**:

V4-W-79: Cognitive-Inspired Hierarchical Attention Fusion With Visual and Textual for Cross-Domain Sequential Recommendation

Presenting author: **Wangyu Wu**

Wangyu Wu: Xi'an Jiaotong-Liverpool University; **Zhenhong Chen**: Microsoft; **Siqi Song**: Xi'an Jiaotong-Liverpool University; **Xianglin Qiu**: Xi'an Jiaotong-Liverpool University; **Xiaowei Huang**: The University of Liverpool; **Fei Ma**: Xi'an Jiaotong-Liverpool Unive

V4-X-80: Improving Brain-to-Image Reconstruction via Fine-Grained Text Bridging

Presenting author: **Runze Xia**

Runze Xia: College of Artificial Intelligence; **Shuo Feng**: College of Artificial Intelligence; **renzhi wang**: College of Artificial Intelligence; **Congchi Yin**: College of Artificial Intelligence; **Xuyun Wen**: College of Artificial Intelligence; **Piji Li**: Co

V4-X-81: Dual-Path Parallel Graph Convolution Combining Brain Region Partitioning and Data-Driven Learning for EEG Emotion Recognition

Presenting author: **Zirui Xiang**

Zirui Xiang: School of Electronic and information engineering; **Ruowen Qu**: South China University of Technology; **Jianxiu Jin**: South China University of Technology; **LIN SHU**: South China University of Technology; **Jinghua Liu**: Trademark Examination Cooperatio

V4-X-82: Adaptive Multiview Fusion Transformer for EEG-Based Emotion Recognition

Presenting author: **Zhen Xue**

Zhen Xue: tianjin university; **wenxiao zhong**: Tianjin University; **xingwei An**: tianjin university

V4-Y-83: Children rely on gestures more when the set size of countable items increase

Presenting author: **Hüseyin Yalçın**

Hüseyin Yalçın: Middle East Technical University; **Dilay Z. Karadoller**: Middle East Technical University

V4-Y-84: Relational reasoning as a learned bias: Evidence that generating explanations facilitates relational matching in adults

Presenting author: **Jiyue Yang & Sophia Deng**

Jiyue Yang: University of Macau; **Qingtong Li**: University of Macau; **Ming Yan**: University of Macau; **Sophia W Deng**: Xi'an Jiaotong-Liverpool University

V4-Y-85: Are "sweet talks" literally sweet?: A study of taste imagery evoked by Japanese emotional words

Presenting author: **Mizuki Yoshio**

Mizuki Yoshio: Hiroshima University; **Toshimune Kambara**: Hiroshima University

V4-Z-86: Overcoming Learning Imbalance with Fusing Vision-Language Model Knowledge for Black-Box Domain Adaptation

Presenting author: **Zhixin Zeng**

Zhixin Zeng: National University of Defense Technology; **Yusen Zhang**: National University of Defense Technology

V4-Z-87: Identity-Preserving Face Privacy Enhancement via Diffusion Models with Cognitive-Aware Obfuscation

Presenting author: **Yang Zhang**

Yang Zhang: Peking University; **Haoxuan Tai**: Peking University Shenzhen Graduate School; **Zhaokun Zhou**: School of Computer Science; **Yuesheng Zhu**: Peking University



V4-Z-88: Modeling Human Sequential Decision-Making in the Tower of London: Incorporating Individual Differences and Timing-Based Replanning Inference

Presenting author: **Chenyuan Zhang**

Chenyuan Zhang: Monash University; **Yuansan Liu**: The University of Melbourne; **Dana Kulic**: Monash University; **Pamela Carreno-Medrano**: Monash University; **Michael Burke**: Monash University

V4-Z-89: MPPFND: A Dataset and Analysis of Detecting Fake News with Multi-Platform Propagation

Presenting author: **Congyuan Zhao**

Congyuan Zhao: Institute of Information Engineering; **Lingwei Wei**: Institute of Information Engineering, CAS; **Ziming Qin**: Institute of Information Engineering; **Zhou Wei**: Institute of Information Engineering; **Yunya Song**: Hong Kong University of Science and

V4-Z-90: DilatedSleepNet: A Novel EEG Waveform-Aware Model for Single-Channel Automatic Sleep Staging

Presenting author: **Zekun Zheng**

Zekun Zheng: South China Normal University; **Zhuorong Li**: South China Normal University; **Pei Mei**: South China Normal University; **Fei Wang**: South China Normal University

V4-Z-91: The paradox of trait impressions in naturalistic contexts: rich information, sparse predictive cues

Presenting author: **Ruoying Zheng**

Ruoying Zheng: University of California San Diego; **Chujun Lin**: University of California San Diego

V4-Z-92: Integrating Textual and Emotional Dynamics for Accurate Detection of Mental Health Disorders in Social Media

Presenting author: **Jiajun Zou**

Jiajun Zou: Tsinghua University; **Zhixiao Qi**: Tsinghua University; **Jinshuai Yang**: Tsinghua University; **Zhechen Wei**: Tsinghua University; **Congqi Wang**: Tsinghua University; **Shizhong Yang**: Tsinghua University; **Minghu Jiang**: Tsinghua University; **Yongfeng Huang**

V4-H-93: Influences of Language Expressions in Group Decision Making: Exploring Verbal Probability Expressions in Group Discussions with Conversational Agents

Presenting author: **Yugo Hayashi**

Yugo Hayashi: Ritsumeikan University; **Shigen Shimojo**: Ritsumeikan Global Innovation Research Organization

V4-L-94: Deciphering human meta-cognition in creative problem-solving

Presenting author: **Yang-Fan Lu**

Yang-Fan Lu: Peking University; **Qianli Yang**: Chinese Academy of Sciences; **Hang Zhang**: Peking University

VIRTUAL POSTER SESSION 5:

SATURDAY, AUGUST 2

Session time: 12:00pm – 1:00pm PDT

V5-A-1: Exploring the Role of Productivity in Arabic Word Recognition: Insights from a Masked Priming Experiment

Presenting author: **Abeer Ali Abbas**

Abeer Ali Abbas: Jazan University; **Lily Xu**: UCLA; **Megha Sundara**: UCLA

V5-A-2: Breaking it Down: Expertise and Dance Segmentation

Presenting author: **Russell Lane Adams**

Russell L Adams: University of Illinois at Chicago; **Jennifer Wiley**: University of Illinois at Chicago

V5-A-3: Self-Association Makes It Easier to Track Multiple Objects But Within Capacity Limitations: A Multiple-Object Tracking Investigation

Presenting author: **Irfan Ahmad**

Irfan Ahmad: Indian Institute of Technology Kanpur; **Ark Verma**: Indian Institute of Technology Kanpur

V5-A-4: Prevalence-Induced Concept Change: Universal or Context-Dependent? Implications for Social Psychology and AI Cognition

Presenting author: **Rebecca Albrecht**

Rebecca Albrecht: University of Freiburg; **Mikhail S. Spektor**: VinUniversity

V5-A-5: From Meanings to Sounds: Development of Language Prediction in Toddlers

Presenting author: **Armando Q. Angulo-Chavira**

Armando Quetzalcóatl Angulo Chavira: UNAM; **Alejandra Mitzi Castellón-Flores**: Universidad Nacional Autónoma de México; **Natalia Arias-Trejo**: Universidad Nacional Autónoma de México, UNAM

V5-A-6: Why Models of Scientific Communication Disagree

Presenting author: **Leon Assaad**

Leon Assaad: Ludwig-Maximilians-Universität München

V5-B-7: Effects of meditation on emotions and depression: a longitudinal study using Geneva Emotion Wheel

Presenting author: **Agne Berga**

Agne Berga: University of Latvia; **Jurgis Skilters**: University of Latvia; **Liga Zarina**: University Of Latvia; **Solvita Umbrasko**: University of Latvia; **Arnis Silins**: University of Latvia; **Maija Gultniece**: University of Latvia; **Santa Bartušēvica**: University of



V5-B-8: *Processing non-maximal readings of sentences with plural definites*

Presenting author: **Angèle Bernard**

Angèle Bernard: Nantes Université/CNRS; **Mora Maldonado:** CNRS/Nantes Université

V5-B-9: *Who owns new creations? Initiation weighs more than completion*

Presenting author: **Reka Blazsek**

Reka Blazsek: Central European University; **Christophe Heintz:** Central European University; **Jonathan F. Kominsky:** Central European University

V5-B-11: *Using Cross-Domain Data to Predict Syllogistic Reasoning Behavior*

Presenting author: **Daniel Brand**

Daniel Brand: Chemnitz University of Technology; **Marco Ragni:** TU Chemnitz

V5-C-13: *The Role of Task-Unrelated Thinking Characteristics and Function in Affect Regulation During Online and On-site Classes*

Presenting author: **Monika Kornacka**

Natalia Cichecka: SWPS University; **Angelika Marszolek:** SWPS University; **Hanna Gelner:** Polish Academy of Science; **Katarzyna Orpych:** SWPS University; **Malgorzata Para:** SWPS University; **Michal Skorupski:** SWPS University; **Monika Kornacka:** SWPS University

V5-C-14: *Do infants use cues of saliva sharing to infer close relationships? A replication of Thomas et al. (2022)*

Presenting author: **Beyza Gokcen Ciftci**

Beyza Gokcen Ciftci: Central European University; **Jonathan F. Kominsky:** Central European University; **Gergely Csibra:** Central European University

V5-C-15: *The Oscillatory Dynamics of Narrative Structure-Building*

Presenting author: **Emily Coderre**

Emily Coderre: University of Vermont

V5-C-16: *The intrinsic drive for knowing boosts pro-environmental choices*

Presenting author: **Irene Cogliati Dezza**

Irene Cogliati Dezza: Université Libre de Bruxelles

V5-C-17: *Serendipity and Scientific Discovery: a new way to see Science and Knowledge?*

Presenting author: **Matteo Costa**

Matteo Costa: Sapienza University of Rome

V5-D-19: *Path encoding and manner salience in motion event descriptions: the case of Bulgarian and English*

Presenting author: **Radina Dobрева**

Radina Dobрева: University of Edinburgh; **Annie Holtz:** The University of Edinburgh; **Alexandra Birch:** University of Edinburgh; **Frank Keller:** University of Edinburgh

V5-F-20: *Modeling word overextension in a Grey Parrot*

Presenting author: **Michal Fishkin**

Michal Fishkin: University of Toronto; **Shereen Chang:** Nazarbayev University; **Yang Xu:** University of Toronto

V5-F-21: *Using Exploratory Learning Methods to Challenge Sociopolitical Beliefs*

Presenting author: **Marci DeCaro**

Sarah E French: University of Louisville; **Daniel DeCaro:** University of Louisville; **Marci S. DeCaro:** University of Louisville

V5-G-22: *The Discovery of the Artificial and the Use of Synthetic Method between Physics and Cognitive Science*

Presenting author: **Francesco Gagliardi**

Francesco Gagliardi: Independent Scholar, ORCID:0000-0002-4270-1636

V5-G-23: *Exploring Causal and Compositional Reasoning in Large Language Models*

Presenting author: **Magnus Gjerde**

Magnus Gjerde: University College London; **Vanessa Cheung:** University College London; **David Lagnado:** University College London

V5-G-24: *People Consistently Overweight Extreme Outcomes in Risky Choices, Even after Long Delays*

Presenting author: **Xiaomu Guo**

Xiaomu Guo: University of Warwick; **Nick Simonsen:** Aarhus University; **Christopher R Madan:** University of Nottingham; **Marcia Spetch:** University of Alberta; **Elliot Andrew Ludvig:** University of Warwick

V5-H-25: *The illusion of credibility: How the pseudosciences appear scientific*

Presenting author: **August Hämmerli**

August Hämmerli: Institute of Philosophy; **Claus Beisbart:** Institute of Philosophy; **David Gruening:** Institute of Psychology; **Kevin Reuter:** University of Gothenburg

V5-H-26: *The Effects of Hormone Contraceptives on Spatial Task Performance in Young Women*

Presenting author: **Lauren Harburger**

Lauren Harburger: Purchase College, State University of New York; **Joseph J. Palmiotto:** State University of New York at Purchase; **Litzy Valdovinos:** State University of New York at Purchase



V5-H-28: Predictability effects of Spanish-English code-switching: A directionality and part of speech analysis

Presenting author: Joshua Higdon

Joshua Higdon: University of Florida; Valeria Pagliai: University of Florida; Zoey Liu: University of Florida

V5-H-29: How grammatical gender supports efficient communication

Presenting author: Dorothée Hoppe

Dorothée B. Hoppe: University of Groningen; Edward Gibson: Massachusetts Institute of Technology; Jacolien van Rij: University of Groningen; Petra Hendriks: University of Groningen; Michael Ramscar: University of Tübingen

V5-K-30: Detecting an illusion's perception change

Presenting author: William G. Kennedy

William Kennedy: George Mason University; Jordan M Kulwicks: George Mason University

V5-K-31: Infants and Toddlers Expect Others Will Shun the Previously Excluded and Instead Approach the Previously Included

Presenting author: Bjørn Dahl Kristensen

Bjørn Dahl Kristensen: University of Oslo; Erik K. Fonn: University of Oslo; Joakim Haugane Zahl: Department of Psychology; Lotte Thomsen: University of Oslo

V5-K-32: What do we understand from experiments in language evolution: inferences from multiple-choice vs. open-ended semantic space paradigms

Presenting author: Michael Pleyer

Svetlana Kuleshova: Nicolaus Copernicus University in Torun; Stefan Hartmann: HHU Düsseldorf; Michael Pleyer: Nicolaus Copernicus University in Torun; Marta Sibierska: Nicolaus Copernicus University; Johan Blomberg: Stockholm university; Przemyslaw Zywicki

V5-K-33: Curiosity as a Morphism of Interpretation

Presenting author: Arun Kumar

Arun Kumar: University of Minnesota, Twin Cities; Paul Schrater: University of Minnesota, Twin Cities

V5-L-34: Top-Down Biases for Lexicality and Frequency in Both Monosyllabic and Disyllabic Stimuli: Evidence from Cantonese

Presenting author: Ka Keung Lee

Ka Keung Lee: Simon Fraser University; Stephen Politzer-Ahles: University of Kansas

V5-L-35: Why Multimodal Models Struggle with Spatial Reasoning: Insights from Human Cognition

Presenting author: Bridget Leonard

Bridget Leonard: University of Washington; Kristin Woodard: University of Washington; Scott Murray: University of Washington

V5-L-36: Do our theories of moral progress predict whether we vote? Evidence from the 2024 US election

Presenting author: Casey Lewry

Casey Lewry: Princeton University; Tania Lombrozo: Princeton University

V5-L-37: The Emergence of Name Sound Symbolism in Children

Presenting author: Pei-Chu Liaw

Pei-Chu Liaw: Carleton University; David M Sidhu: Carleton University; Lorraine D Reggin: University of Calgary; Penny M Pexman: Western University

V5-L-38: Towards a curriculum for neural networks to simulate symbolic arithmetic

Presenting author: Samuel Lozano Iglesias

Samuel Lozano: Complutense University of Madrid; Markus Spitzer: Martin-Luther University, Halle-Wittenberg; Younes Strittmatter: Princeton University; Korbinian Moeller: Loughborough University; Miguel Ruiz-Garcia: Complutense University de Madrid

V5-L-39: Understanding is Seeing: Metaphorical and Visual Reasoning in Multimodal Large Language Models

Presenting author: Carlo Strapparava

Sofia Lugli: University of Trento; Carlo Strapparava: FBK-Irst

V5-M-40: Using Gesture and Language to Establish Multimodal Conventions in Collaborative Physical Tasks

Presenting author: Judith E. Fan

Kiyosu Maeda: Princeton University; Ching-Yi Tsai: Princeton University; Judith E. Fan: Stanford University; Parastoo Abtahi: Princeton University

V5-M-41: Locating strongly informative utterances in conversation using multimodal cues

Presenting author: Eliot Maës

Eliot Maës: Aix Marseille University; Philippe Blache: ILCB; Leonor Becerra-Bonache: Aix-Marseille University

V5-M-42: Individual differences in encoding style moderate framing effects on risk-taking

Presenting author: Michalis Mamakos

Michalis Mamakos: Northwestern University; Galen Bodenhausen: Northwestern University

V5-M-43: Perceptual Strategies in Speech Quality Discrimination: A Comparison of Blind and Sighted Listeners

Presenting author: Gerda Ana Melnik-Leroy

Gerda Ana Melnik-Leroy: Vilnius University; Gediminas Navickas: Vilnius University



V5-M-44: MGHGCN: Boosting EEG-based Emotion Recognition Through Multi-granular Hypergraph Convolutional Networks

Presenting author: Menghang Li

Li Menghang: Hangzhou Dianzi University

V5-M-45: Chain of Thought Still Thinks Fast: APriCoT Helps with Thinking Slow

Presenting author: Kyle Moore

Kyle Moore: Vanderbilt University; Jesse Roberts: Tennessee Technological University; Thao Thi Minh Pham: Berea College; Douglas Fisher: Vanderbilt University

V5-M-46: Language-specific event role mappings in multimodal possession-transfer event descriptions

Presenting author: Christiana Moser

Christiana Moser: University of Toronto; Bahar Tarakçı: Max Planck Institute for Psycholinguistics; Ercenur Ünal: Max Planck Institute for Psycholinguistics; Myrto Grigoroglou: University of Toronto

V5-O-47: Norms moderate causal judgments in cases of double prevention

Presenting author: Kevin O'Neill

Kevin O'Neill: University College London; Paul Henne: Lake Forest College; Tadeq Quillien: University of Edinburgh; Thomas Icard: Stanford University; Felipe DeBrigard: Duke University

V5-O-48: Fantasy Play and the Language of Emplotment in Greek L1 Children

Presenting author: Despina Oikonomou

Despina Oikonomou: University of Crete; Vina Paraskevi Tsakali Dr: University of Crete; Maria Gatsou: University of Crete; Benedict Vassileiou: University of Crete; Mary Kaniadaki: University of Crete; Danai Karatzanou: University of Crete; Irini Amanaki:

V5-P-49: Exploring Associations Among AI Usage, Anthropomorphism, and Perceived Human Uniqueness in Adolescents

Presenting author: Echo Zexuan Pan

Echo Zexuan Pan: University of Michigan; Ying Xu: Harvard University; L. Monique Ward: University of Michigan

V5-P-50: Assessing the Role of Attention in the Animacy Effect Through Directed Forgetting

Presenting author: Julia Perik

Julia Perik: Erasmus University Rotterdam; Muhammet Ikbali Sahan: Erasmus University Rotterdam; Steven Verheyen: Erasmus University Rotterdam

V5-P-51: Examining Children's Applications of Privacy Norms in a Digital, Photo-Sharing Game

Presenting author: Sarah Margaret Petriw

Sarah M Petriw Ms: University of Manitoba ; Shaylene E Nancekivell: University of Manitoba

V5-P-52: Evaluating testimony from multiple witnesses: exploring qualitative intuitions

Presenting author: Kirsty Phillips

Kirsty Phillips: Birkbeck, University of London; Ulrike Hahn: Birkbeck, University of London; Toby D Pilditch: University College London

V5-P-53: Metaphor, Polysemy and Semantic Extension in an Artificial Language Learning Experiment

Presenting author: Michael Pleyer

Michael Pleyer: Nicolaus Copernicus University in Toruń; Elizabeth Qing Zhang: Jiangsu Normal University; Marek Placiński: Nicolaus Copernicus University in Toruń

V5-P-54: An Ideal Observer Model of Audiovisual Detection Captures Modality-Specific, but not Amodal, Confidence Ratings

Presenting author: Perrine Porte

Perrine Porte: Université Grenoble Alpes; Matan Mazor: University of Oxford; Louise Goupil: CNRS; Nathan Faivre: CNRS

V5-R-56: Learning Trajectories and Generalization: Converging markers for Rule- and Similarity-based Processes in Grammar Learning?

Presenting author: Moulshree Rana

Moulshree Rana: Radboud University; Herbert Schriefers: Radboud University; Kristin Lemhöfer: Radboud University

V5-R-57: Boundary Effect in the Encoding and Retrieval of p-values from Scientific Texts

Presenting author: Jeffrey K. Bye

V. N. Vimal Rao: University of Illinois; Jeffrey K. Bye: California State University, Dominguez Hills

V5-R-58: Interjections as Tools for Sharing Mental States

Presenting author: Amanda Royka

Amanda L Royka: Yale University; Kate Choi: Yale University; Rory Schoenberger: Yale University; Julian Jara-Ettinger: Yale University

V5-S-59: Whose Experience is it Anyway? Examining inter-subject variability in urban beauty and safety judgements

Presenting author: Rohit Priyadarshi Sanatani

Rohit Priyadarshi Sanatani: Massachusetts Institute of Technology

V5-S-60: Complexity in Complexity: Understanding Visual Complexity Through Structure, Color, and Surprise

Presenting author: Karahan Saritaş

Karahan Saritaş: University of Tübingen; Peter Dayan: Max Planck Institute for Biological Cybernetics; Tingke Shen: Max Planck Institute for Biological Cybernetics; Surabhi S Nath: Max Planck Institute for Biological Cybernetics



V5-S-61: Verbs are sometimes redundant: Korean preschoolers' comprehension of Korean active transitive construction

Presenting author: **Gyu-Ho Shin**

Gyu-Ho Shin: University of Illinois at Chicago

V5-S-62: A Computational Account of how Anxiety and Impulsivity Impact Uncertainty Computations

Presenting author: **Veronica Smith**

Veronica Smith R : Providence College ; **Andra Geana:** Providence College

V5-S-63: On the Separability of Human Navigational Behaviors in Virtual Reality

Presenting author: **Samuel S Sohn**

Samuel S Sohn: Rutgers University; **Serena DeStefani:** Ohio State University; **Mathew Schwartz:** New Jersey Institute of Technology; **Jacob Feldman:** Rutgers University; **Mubbasir Kapadia:** Rutgers University; **Karin Stromswold:** Rutgers University

V5-S-64: Same, but Different: Sequential and Simultaneous Fraction Comparison Tasks Elicit Different Distance and Congruency Effects

Presenting author: **Isabella Starling-Alves**

Isabella Starling Alves: Vanderbilt University; **Eric Wilkey:** Vanderbilt University

V5-V-65: Acute Stress Impairs Visual Narrative Comprehension in Younger but Not Older Adults

Presenting author: **Ekaterina Varkentin**

Ekaterina Varkentin: Leibniz-Insitut für Wissensmedien ; **Irina R. Brich:** Leibniz-Institut für Wissensmedien; **Kurmanzhan Kurmanbekova:** Leibniz Institut für Wissensmedien ; **Markus Huff:** Leibniz-Institut für Wissensmedien

V5-V-66: The Role of Early Experience in Judging the Temporal Order of Visual Events: Insights from Late-Sighted Children

Presenting author: **Lukas Vogelsang**

Lukas Vogelsang: MIT; **Priti Gupta:** Indian Institute of Technology; **Marin Vogelsang:** MIT; **Naviya Lall:** Dr Shroff's Charity Eye Hospital; **Manvi Jain:** Dr Shroff's Charity Eye Hospital; **Chetan Ralekar:** MIT; **Suma Ganesh:** Dr Shroff's Charity Eye Hospital; **Pawan**

V5-V-67: Mapping between Telicity and Event Representations

Presenting author: **Ugurcan Vurgun**

Ugurcan Vurgun: University of Pennsylvania; **Yue Ji:** Beijing Institute of Technology; **Anna Papafragou:** University of Pennsylvania

V5-W-68: Play fair: Humans prefer an equal division of labor in a joint multiple object tracking task

Presenting author: **Basil Wahn**

Basil Wahn: Technical University Berlin; **Eva Wiese:** TU Berlin

V5-W-69: A Framework for Modeling Cognitive Processes in Intelligent Agents Using Behavior Trees

Presenting author: **Kejia Wan**

Kejia Wan: National University of Defense Technology; **Yuntao Liu:** Academy of Military Sciences; **Hengzhu Liu:** National University of Defense Technology; **Xinhai Xu:** Academy of Military Science; **Jinlong Tian:** National University of Defense Technology; **Xiangl**

V5-W-70: Computer Vision Models Show Human-Like Sensitivity to Geometric and Topological Concepts

Presenting author: **Zekun Wang**, **Sashank Varma**

Zekun Wang: Georgia Institute of Technology; **Sashank Varma:** Georgia Tech

V5-W-71: Advancing Adolescent Depression Detection through Multi-Task EEG Signals and Biosignal Learning

Presenting author: **Aojun Wen**

Aojun Wen: School of Artificial Intelligence; **Zijing Guan:** School of Automation Science and Engineering; **Zhiqiang Chen:** School of Artificial Intelligence; **Jun Xiao:** Research Center for Brain-Computer Interface; **Quanlin Chen:** School of Artificial Intelligence

V5-X-72: Can Abstract Categories Be Represented by Shared Features in Concept Bottleneck Models?

Presenting author: **Haodong Xie**

Haodong Xie: University of Manchester; **Xuena Wang:** Tsinghua University; **Rahul Singh Maharjan:** University of Manchester; **Federico Tavella:** University of Manchester; **Angelo Cangelosi:** University of Manchester

V5-X-73: Thinking through syntax: Expanding the scope of "thinking for speaking"

Presenting author: **Yuyan Xue**

Yuyan Xue: Cambridge University; **Jennifer Culbertson:** University of Edinburgh

V5-Y-74: Event Boundedness Affects Attention Allocation during Online Event Processing

Presenting authors: **Jamie Yuen**; **Sarah Hye-yeon Lee**

Jamie K Yuen: University of Pennsylvania; **Sarah Hye-yeon Lee:** University of Pennsylvania; **Anna Papafragou:** University of Pennsylvania

V5-Z-75: Games Agents Play: Towards Transactional Analysis in LLM-based Multi-Agent Systems

Presenting author: **Jarosław A. Chudziak**

Monika Zamojska: Warsaw University of Technology; **Jarosław A. Chudziak:** Warsaw University of Technology

V5-Z-76: Preschool Children's Learning and Generalization of Continuous Causal Functions

Presenting author: **Caiqin Zhou**

Caiqin Zhou: Brown University; **Rebekah Gelpi:** University of Toronto; **Maria Iorini:** Brown University; **Christopher Guy Lucas:** University of Edinburgh; **Daphna Buchsbaum:** Brown University



V5-G-77: *Interfering with inner speech during action encoding impacts their execution*

Presenting author: **Angelo Mattia Gervasi**

Angelo Mattia Gervasi: Sapienza University of Rome; **Claudia Mazzuca:** Sapienza University of Rome; **Anna Borghi:** Sapienza University of Rome; **Claudio Brozzoli:** INSERM, Lyon Neuroscience Research Center

V5-Y-78: *Synchronized development of possibility reasoning and theory-of-mind: Evidence from a cross-cultural study*

Presenting author: **Chen Yang**

Chen Yang: Max Planck Institute for Human Cognitive and Brain Sciences; **Michael Huemer:** University of Salzburg; **Brian Leahy:** MIT; **Josef Perner:** University of Salzburg; **Charlotte Grosse Wiesmann:** Max Planck Institute for Human Cognitive and Brain Sciences

V5-L-79: *Cognitive Priming Prompting Facilitates Knowledge Elicitation in Multilingual Large Language Models*

Presenting author: **Baixuan Li**

Baixuan Li: Southeast University; **Yunlong Fan:** Southeast University; **Tianyi Ma:** Michigan State University; **Zhiqiang Gao:** Southeast University

V5-C-80: *Task Resolution Time Estimation through Cognitive Load: An EEG Study of Chess Players*

Presenting author: **Milton O. Candela-Leal**

Milton O. Candela-Leal: Tecnologico de Monterrey; **Mauricio A. Ramirez-Moreno:** Tecnologico de Monterrey; **Jorge De-J. Lozoya-Santos:** Tecnologico de Monterrey

V5-H-81: *From the ears to the eyes: using pupil size to explore the perceived appeal of languages*

Presenting author: **Theresa Matzinger**

Theresa Matzinger: University of Vienna; **David Kosic:** University of Vienna

V5-C-82: *Comparing One-Boundary and Two-Boundary Evidence Accumulation Models for Go/No-Go Processes: An Application to the Decision to Shoot*

Presenting author: **Dr. Yiyang Chen**

Yiyang Chen: Indiana University; **Jun Fang:** Indiana University; **Joseph Cesario:** Michigan State University; **Taosheng Liu:** Michigan State University; **Tim Pleskac:** Indiana University

V5-S-83: *How descriptions moderate memory biases in experience-based risky choice*

Presenting author: **Zepeng Sun**

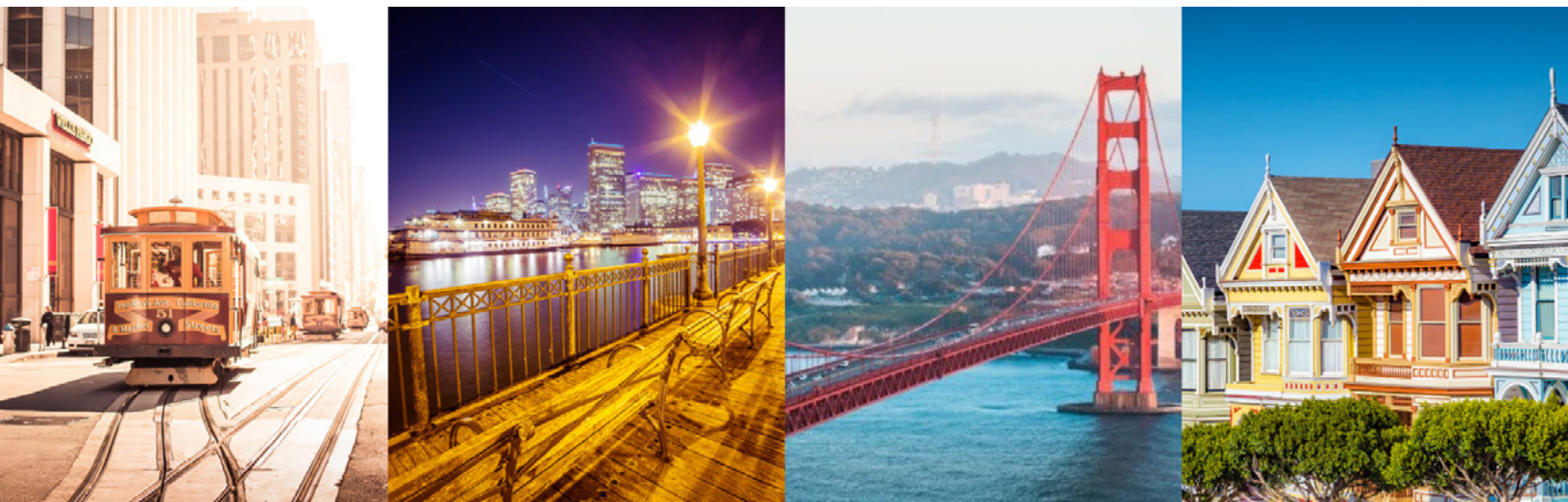
ZEPENG SUN: University of Warwick; **Leonardo Weiss-Cohen:** University of Nottingham; **Elliot Andrew Ludvig:** University of Warwick; **Emmanouil Konstantinidis:** University of Warwick

V5-W-84: *Modeling a network of beliefs surrounding parents' endorsement of COVID vaccines for children*

Presenting author: **Kara Weisman**

Kara Weisman: foundry10; **Dominic Gibson:** foundry10





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