



# COGSCI'19

*Creativity+ Cognition+ Computation*

24 - 27 JULY 2019 MONTREAL, CANADA

Invited Speakers

Elizabeth Churchill | Mary Lou Maher | Takeshi Okada

Co-Chairs

Ashok Goel | Colleen Seifert | Christian Freksa

**Program for the  
41<sup>st</sup> Annual Meeting of  
the Cognitive Science  
Society  
Montreal, QB  
24 - 27 July 2019**

*Creativity + Cognition + Computation*

Program Chairs: Ashok Goel, Colleen Seifert, Christian Freksa

<http://www.cognitivesciencesociety.org/cogsci-2019>

# Dear Cognitive Science Colleagues,

Welcome to the 41st Annual Conference of the Cognitive Science Society in Montreal, Canada! Our meeting brings together some of the most innovative and exciting research in Cognitive Science today, and highlights the conference theme of *Creativity + Cognition + Computation*.

In addition to the Rumelhart Prize presentation by Michelene Chi and the Carvalho-Heineken Prize presentation by Nancy Kanwisher, the program features three plenary speakers: Elizabeth Churchill (Google Research), Mary Lou Maher (University of North Carolina), and Takeshi Okada (University of Tokyo). Further, the program includes the Jacobs Foundation Symposium, *How Curious? The Need for Exploration and Discovery*, as well as an invited symposium on *Creativity in the Arts* in addition to the Rumelhart Symposium on *Translation Research in STEM Learning* and the Glushko Ph.D. Dissertation Awards Symposium. These invited symposia and talks showcase the conference theme.

The program committee for CogSci 2019 received 1110 submissions, including 810 full papers, 256 member abstracts, 13 publication-based short papers, as well as 14 proposals for symposia, 10 for workshops, and 8 for tutorials. After a rigorous review process, the committee selected 202 papers for oral presentation and inclusion in the conference proceedings (25%), 306 papers for poster presentation and inclusion in the proceedings (38%), and 163 papers for poster presentation with inclusion of abstracts in the proceedings (20%). We also selected 204 submitted member abstracts and accepted another 19 abstracts from full paper submissions as invited member abstracts. In addition, we accepted 12 publication-based talks, 10 symposia, 7 workshops, and 4 tutorials to make for a very rich and inclusive program.

We hope that you enjoy the program this year as well as the beautiful city of Montreal!

Your Program Co-Chairs,

Ashok Goel (Georgia Institute of Technology, USA)  
Colleen Seifert (University of Michigan, USA)  
Christian Freksa (University of Bremen, Germany)

# Acknowledgements

We are very grateful to everyone who contributed to the planning and organization of this year's Cognitive Science meeting, to all authors who submitted their contributions, and to all reviewers who generously donated their expertise and time to evaluate the submissions. We thank the members of the Program Committee who coordinated the reviews and made the tough decisions about submissions, and the members of the conference organizing subcommittees who showed initiative in completing their demanding tasks. These Organizing and Program Committee members are listed below.

We are especially grateful for the assistance of a number of individuals and groups critical to handling the many organizational aspects of the meeting. We thank Michael Frank, the Chair of the Cognitive Science Society, Anna Drummey, the Executive Officer of the Society, and the entire Governing Board of the Society, for their advice and support throughout the process. Lily Chang at *International Conference Services*, Jude Ross at *Podium Conferences*, and James Stewart at *Precision Conference Solutions* have been helpful, effective, and constant partners during the long process. Chuck Kailish and Timothy Rogers, two of the Co-Chairs of last year's conference, offered help whenever we needed them. Additional help included key contributions from Thomas Barkowsky for the reviewing process, Andrea Patalano for the awards organization, and Sungeun An for creating the conference poster.

Finally, we are grateful to the Cognitive Science Society and to the sponsors of this conference, including the The Robert J. Glushko and Pamela Samuelson Foundation, the Jacobs Foundation, Facebook AI, DeepMind Technologies and the Weinberg Institute of Cognitive Science for their support.

Enjoy!

Ashok Goel, Colleen Seifert, and Christian Freksa  
Co-Chairs, Cognitive Science 2019

# Organizing Committee

## Program

Ashok Goel, Georgia Institute of Technology  
Colleen Seifert, University of Michigan, Ann Arbor  
Christian Freksa, University of Bremen

## Awards

Andrea Patalano, Wesleyan University  
Richard Lewis, University of Michigan  
Michael Mozer, University of Colorado  
Wendy Newstetter, Georgia Institute of Technology  
Steve Sloman, Brown University

## Communications

Rick Dale, University of California  
Rui Meng, University of Wisconsin

## Graduate Volunteer Organizers

Matthew Setzler, Indiana University  
Peter Felsman, University of Michigan

## Local CogSci Community

Isabelle Soulieres, Université du Québec à Montréal  
Thomas Shultz, McGill University

## Member Abstracts

Maithilee Kunda, Vanderbilt University  
Ana-Maria Olteteanu, Freie Universität Berlin  
Michael Shafto, Cognitive Science Associates  
Sebastien Hélie, Purdue University

## Member Publication-Based Talks

Jim Davies, Carleton University  
Evangelia Chrysikou, Drexel University

## Symposia

Nora Newcombe, Temple University  
Garrison Cottrell, University of California

## Tutorials and Workshops

Thomas Barkowsky, University of Bremen  
Travis Seymour, University of California  
Elizabeth Bonawitz, Rutgers University  
Swaroop Vattam, MIT Lincoln Laboratory

## Sponsorship

Keith McGreggor, Georgia Institute of Technology

# Program Committee

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Catharine Echols  
Susan Epstein  
Caitlin Fausey  
Anna Fisher  
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Samuel Gershman  
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Adele Goldberg  
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Todd Gureckis  
Mary Hayhoe  
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Keith Holyoak  
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Mark Keane  
Christopher Kello  
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Kenneth Koedinger  
Stefan Kopp  
Gustav Kuhn  
Maithilee Kunda  
David Leake  
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Roger Levy  
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Peggy Li  
Antonio Lieto  
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Christian Luhmann  
Maryellen MacDonald  
Michael Mack  
Brian Magerko  
Lorenzo Magnani  
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Jay McClelland  
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Nora Newcombe  
Sergei Nirenburg  
David Noelle  
John Pani  
Anna Papafragou  
Andrea Patalano  
Stuart Patrick  
David Peebles  
Rafael Perez y Perez  
Amy Perfors  
Hugh Rabagliati  
Marco Ragni  
Gisela Redeker  
Serge Robert  
Robert Saunders  
Ute Schmid  
Gregor Sch  ner  
Chris Schunn  
Travis Seymour  
Meredith Shafto  
Michael Shafto  
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Steven Sloman  
Jennifer Spenader  
Michael Spranger  
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Katherine White  
Geraint Wiggins  
Fei Xu  
Yang Xu  
Jerry Zhu

# Student Volunteers

Nadia Blostein, McGill University

Zixian Chai, Stanford University

Dania Chatila, McGill University

Gabriela Iwama, Max Planck Institute for Intelligent Systems

Dimosthenis Kontogiorgos, KTH Royal Institute of Technology

Ezgi Mamus, Radboud University

Sebastian Musslick, Princeton University

Pauline Palma, McGill University

Armand Rotaru, University College London

Matt Rounds, University of Edinburgh

Rose Schneider, UC San Diego

Tanmay Sinha, ETH Zurich

Oana Stanciu, Central European University; BPF

Robert Thorstad, Emory University

Mehrgol Tiv, McGill University

Naomi Vingron, McGill University

# Conference Services

## Registration

If you registered online, [Pre-Registered Delegate Check-In](#) is located on Level 5 Foyer.

If you need to register now, [Onsite Registration](#) is located on Level 5 Foyer.

### Registration Hours:

Wednesday, July 24	08:00 – 16:00
Thursday, July 25	07:30 – 17:00
Friday, July 26	08:00 – 17:00
Saturday, July 27	08:00 – 17:00

Anyone who has pre-selected to receive a *Certificate of Attendance* can pick this up at the Registration desk.

## 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

In the event of an emergency, do not call 911 first; instead call Palais des congrès Security. They can be reached at the following numbers at all times.

Security Operations Centre

- Outside line: +1 517 871-3141
- House phone: 555

If you already called 911, please notify Palais Security immediately.

## Coatcheck

The Viger coatcheck is located on Level 2. The Viger coatcheck will be available during the hours noted below.

Wednesday, July 24	08:00 – 16:30
Saturday, July 27	08:00 – 18:30

## Mother's Room

The Mother's Room is located in room 446. The room will be available during the hours noted below.

Wednesday, July 24	08:00 – 16:00
Thursday, July 25	07:30 – 17:00
Friday, July 26	08:00 – 17:00
Saturday, July 27	08:00 – 17:00

## Coffee Breaks

Morning and afternoon coffee breaks will be located in Level 5 Foyer. Coffee and tea are complimentary. The venue has cafés and restaurants available open each morning at 6am-8pm located on Level 1:

<https://congresmtl.com/en/convention-center/commercial-mall/>

## Cognitive Science Society Business Meeting

The Cognitive Science Society Business Meeting is scheduled for Thursday, July 25 at 18:00 in Room 517D.

## Conference Access

### Internet Access

Free Wireless Internet (best for checking email)

Network: CogSci 2019

Password: COGSCI2019 (all cap letters)

# Mobile Program App

The conference program is also available in the *Whova* App. To access, please follow the below steps:

- Download the Whova App from an app store
- Sign into the Whova app using the email you have listed in your conference registration

OR

- Search for 'CogSci 2019' and enter in the invitation code 'cogsci' to access

## Proceedings Information

The full proceedings are available as a PDF document and in HTML format at:  
<http://mindmodeling.org/cogsci2019> and  
<https://cognitivesciencesociety.org/program/>

The proceedings for past years' conferences are available at:  
<https://cognitivesciencesociety.org/past-conferences/>

## Webcasting

Live webcasting for plenaries, award talks, and invited symposia will be available on CogSci's YouTube page: <http://tiny.cc/wyfz8y>

Most invited talks will be archived on the site for on demand viewing.

## Presentation Instructions

### Oral presentations:

Each standard oral presentation is allocated 25 minutes, which is to include a closing period for addressing questions from attendees. A recommended partitioning of this time is 20 minutes of presentation followed by 5 minutes of questions (and for transition). Each room is equipped with a video projector with HDMI input, as well as a microphone. The projectors support 16:9 aspect ratio (widescreen format). All speakers must bring their own laptops. The meeting rooms will have HDMI, VGA, and Apple connectors.

**Note:** Presentations that are part of workshops, tutorials, or symposia may use different schedules. Please contact the organizer of the given workshop, tutorial, or symposium for information about the correct amount of presentation time.

**Session Chairs:** Each room will have signs that the chair can use to signal to the speaker how much time is left. Assigned session chairs will quickly announce each speaker in the order listed and strictly monitor the time of each talk.

## Poster presentations:

Posters will be presented on poster boards during the poster sessions. Presenters may locate their poster boards by the presenter's last name (in alphabetical order A-Z). Poster boards and push-pins will be provided. Maximum poster dimensions are 48 x 96 (inches) landscape format, though of course they can be smaller. The usable poster dimension is 45.5 x 91 (inches) landscape format. Presenters must remove their posters at the end of the poster session.

### Poster Setup

Thursday, July 25 | 07:30 – 13:00

Friday, July 26 | 08:00 – 13:00

Saturday, July 27 | 08:00 – 13:00

### Poster Takedown

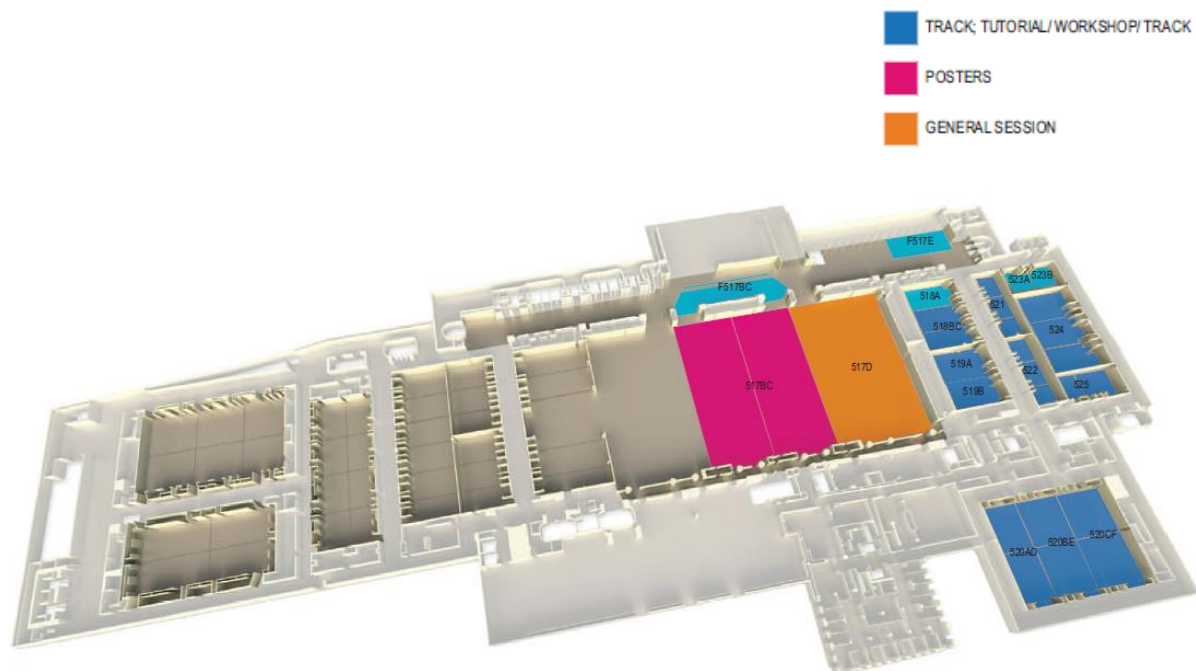
Thursday, July 25 | By 16:00

Friday, July 26 | By 16:00

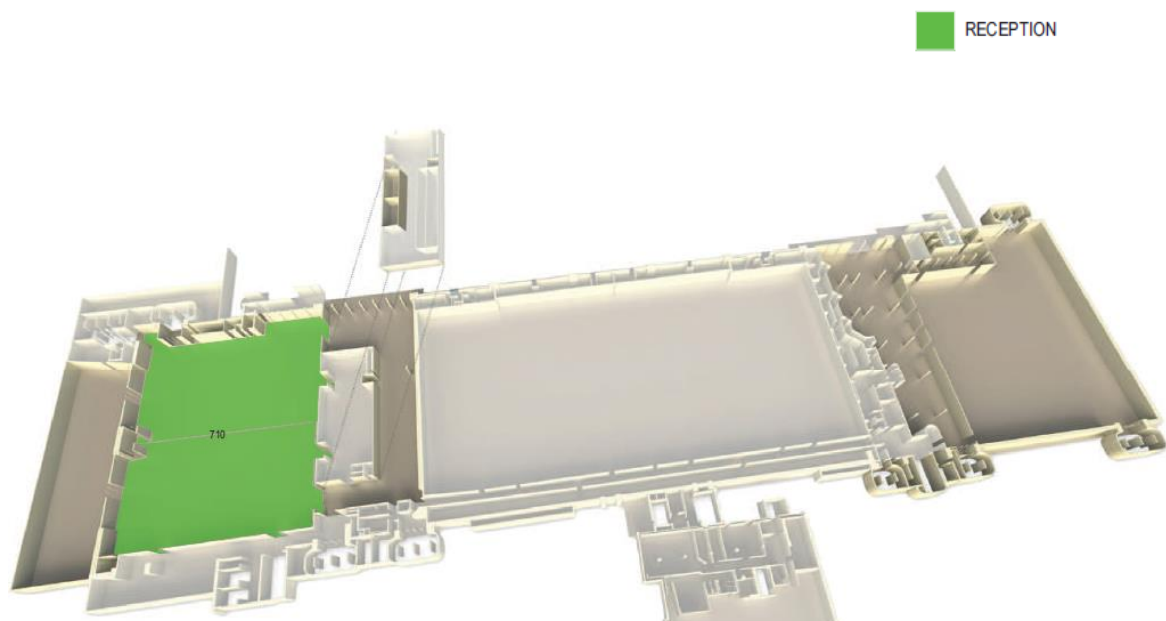
Saturday, July 27 | By 16:00

*\*Any posters not removed will be discarded by show management.*

## Meeting Room Locations (Level 5)



## Rumelhart Prize Reception Location (Level 7)



# Sponsors

The Robert J. Glushko and Pamela Samuelson Foundation

The Jacobs Foundation

Facebook AI

DeepMind Technologies

The Weinberg Institute for Cognitive Science

The Cognitive Science Society

**Thank you again for your support!**

# Exhibitors

Exhibit booths are located on Level 5 Foyer and are available during the hours noted below:

Thursday, July 25	09:00 – 17:00
Friday, July 26	09:00 – 17:00
Saturday, July 27	09:00 – 16:30

## **Springer— Booth 1**

Springer Cognitive Psychology portfolio can be viewed online at:

<https://www.springer.com/us/behavioral-sciences/cognitive-psychology>

Website: <https://twitter.com/SpringerPsych>

Facebook: <https://www.facebook.com/SpringerPsychology>

Twitter: <https://twitter.com/SpringerPsych>

## **MIT Press — Booth 2**

The MIT Press is a leading publisher of books and journals at the intersection of science, technology, and the arts. MIT Press books and journals are known for their intellectual daring, scholarly standards, and distinctive design. Visit our booth and receive a 30% discount on all titles.

Website: <https://mitpress.mit.edu>

Twitter: <https://twitter.com/mitpress>

### **Oxford University Press — Booth 3**

Oxford University Press publishes some of the most respected books and journals in the world. Visit our booth or online at [www.oup.com](http://www.oup.com) for more information.

Website: <http://global.oup.com>

### **Thought Technology — Booth 4**

Thought Technology, the world's leading psychophysiological instrument designer/manufacture monitors a wide variety of physiological signals providing feedback in real time to promote self-regulation. Combining in-clinic sessions with home training, eVu Senz app and TPS monitors heart rate variability, skin Conductance/temperature. Compact and light-weight in design, eVu TPS, a portable sensor, bringing biosignal data measurement out of the clinic & into the client's smartphone/tablet allowing the physician to monitor compliance/progress. Visit our booth to see how to help clients help themselves using Thought Technology's medical apps that promise to revolutionize at home clinical training. Come by our booth!

Website: <http://thoughttechnology.com/index.php>

Facebook: <https://www.facebook.com/thoughttechnology>

Twitter: <https://twitter.com/ttlbf>

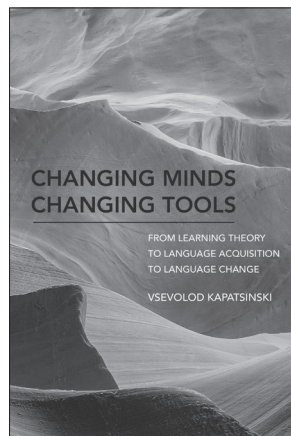
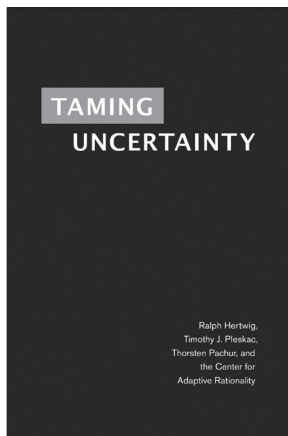
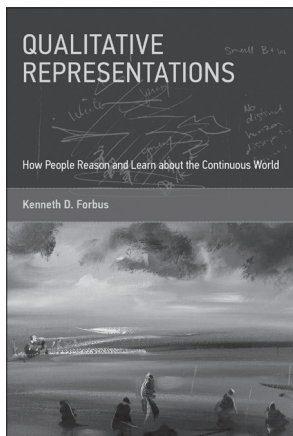
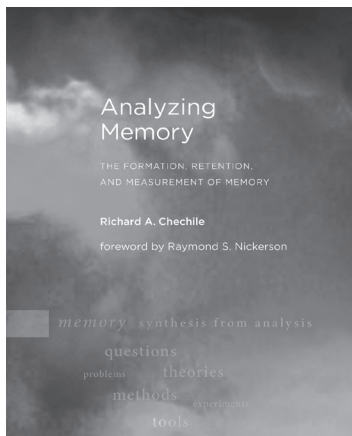
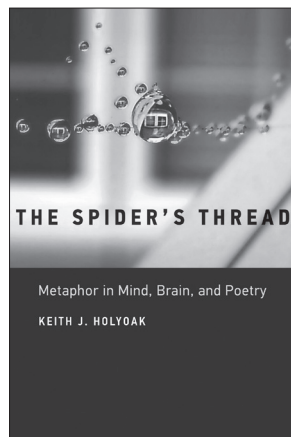
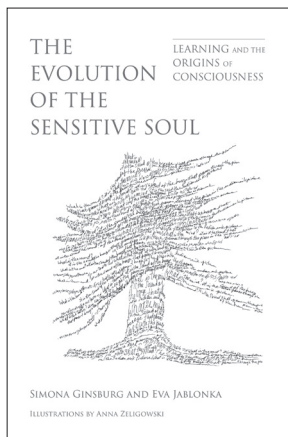
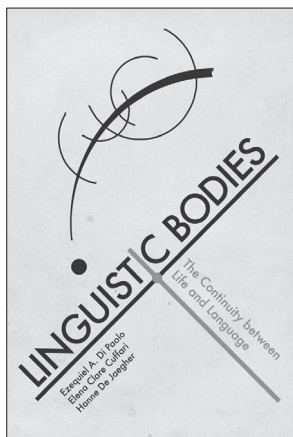
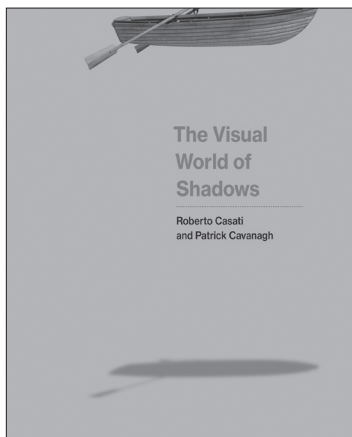
## **Advertisers:**

### **MIT Press — Booth 2**

The MIT Press is a leading publisher of books and journals at the intersection of science, technology, and the arts. MIT Press books and journals are known for their intellectual daring, scholarly standards, and distinctive design. Visit our booth and receive a 30% discount on all titles.

Website: <https://mitpress.mit.edu>

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## The Visual World of Shadows

**Roberto Casati and Patrick Cavanagh**

How the perception of shadows, studied by vision scientists and visual artists, reveals the inner workings of the visual system.

**\$45.00 | £35.00 | cloth**

## Analyzing Memory

The Formation, Retention, and Measurement of Memory

**Richard A. Chechile**

An accessible synthesis of memory research that discusses the creation of memory representations, the processes of storage and retrieval, and the effectiveness of encoding information.

**\$65.00 | £50.00 | cloth**

## Linguistic Bodies

The Continuity between Life and Language

**Ezequiel A. Di Paolo, Elena Clare Cuffari, and Hanne De Jaegher**

A novel theoretical framework for an embodied, non-representational approach to language that extends and deepens enactive theory, bridging the gap between sensorimotor skills and language.

**\$45.00 | £35.00 | cloth**

## Qualitative Representations

How People Reason and Learn about the Continuous World

**Kenneth D. Forbus**

An argument that qualitative representations – symbolic representations that carve continuous phenomena into meaningful units – are central to human cognition.

**\$60.00 | £47.00 | cloth**

## The Evolution of the Sensitive Soul

Learning and the Origins of Consciousness

**Simona Ginsburg and Eva Jablonka**

A new theory about the origins of consciousness that finds learning to be the driving force in the evolutionary transition to basic consciousness.

**\$50.00 | £40.00 | cloth**

## Taming Uncertainty

**Ralph Hertwig, Timothy J. Pleskac, Thorsten Pachur, and the Center for Adaptive Rationality**

An examination of the cognitive tools that the mind uses to grapple with uncertainty in the real world.

**\$50.00 | £40.00 | cloth**

## The Spider's Thread

Metaphor in Mind, Brain, and Poetry

**Keith J. Holyoak**

An examination of metaphor in poetry as a microcosm of the human imagination – a way to understand the mechanisms of creativity.

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## Changing Minds Changing Tools

From Learning Theory to Language Acquisition to Language Change

**Vsevolod Kapatsinski**

A book that uses domain-general learning theory to explain recurrent trajectories of language change.

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our booth and  
receive 30% off  
all titles!

# Awards

## Robert J. Glushko Dissertation Prizes

The Cognitive Science Society and the Glushko-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 2019 recipients of the Robert J. Glushko Prizes for Outstanding Doctoral Dissertations / Theses in Cognitive Science are:

**Kirsten Adam – University of Chicago, 2018**

*Characterizing the Limits of Visual Working Memory*

**Max Kleiman-Weiner – Massachusetts Institute of Technology, 2018**

*Computational Foundations of Human Social Intelligence*

**Martin Maier – Humboldt University, 2018**

*Language, Meaning, and Visual Perception: Event-Related Potentials  
Reveal Top-Down Influences on Early Visual Processing*

**Jean-Paul Noel – Vanderbilt University, 2018**

*Leveraging Multisensory Neurons, Circuits, Brains, and Bodies to Study  
Consciousness: From the Outside-In and the Inside-Out*

**Katharine Tillman – University of California, San Diego, 2017**

*Constructing the Concept of Time: Roles of Language, Perception, and  
Culture*

The Glushko Dissertation Prize Symposium showcases the award-winning PhD research projects, moderated by Adele Goldberg (Princeton) held on Thursday, July 25, 14:30 – 16:10, Room 517D.

## Marr Prize

The Marr Prize, named in honor of the late David Marr, is awarded to the best student paper at the conference. All student first authors were eligible for the Marr Prize for the best student paper. The Marr Prize includes an honorarium of \$1000 and is sponsored by The Cognitive Science Society. The winners of the 2019 Marr Prize for the Best Student Paper are:

**Jose M. Ceballos, University of Washington**

*The Role of Basal Ganglia Reinforcement Learning in Lexical Priming and Automatic Semantic Ambiguity Resolution*

**Nicolas Oliver Riesterer, Universität Freiburg**

*Modeling Human Syllogistic Reasoning: The Role of "No Valid Conclusion"*

## Computational Modeling Prizes

Four prizes worth \$1000 each are awarded for the best full paper submissions to CogSci 2019 that involve computational cognitive modeling. The four prizes represent the best modeling work in the areas of perception/action, language, higher-level cognition, and applied cognition. These prizes are sponsored by The Cognitive Science Society. The winners of the 2019 Computational Modeling Prizes are:

*Applied Cognition:*

**Douglas Guilbeault, University of Pennsylvania**

*The Social Network Dynamics of Category Formation*

*Higher-Level Cognition:*

**Ardavan S. Nobandegani, McGill University**

*A Resource-Rational Process-Level Account of the St. Petersburg Paradox*

*Language:*

**Benjamin Peloquin, Stanford University**

*The Interactions of Rational, Pragmatic Agents Lead to Efficient Language Structure and Use*

*Perception & Action:*

**Yunyan Duan, Northwestern University**

*A Rational Model of Word Skipping in Reading: Ideal Integration of Visual and Linguistic Information*

## Sayan Gul Award

Sayan Gul was an undergraduate at UC Berkeley studying cognitive science and computer science, and had great potential as a cognitive scientist. This award is intended to support similarly outstanding undergraduates conducting research in cognitive science. In memory of Sayan Gul, the award supports undergraduate students with travel related costs who are presenting authors at the conference. The Sayan Gul Award includes a cash award of \$500. This year's recipient of the Sayan Gul award is:

**Megumi Sano, Stanford University**

*Graphical Convention Formation During Visual Communication*

## Diversity & Inclusion Travel Awards

Five prizes support travel to the conference for graduate students who bring diversity to the society, in particular under-represented racial/ethnic groups and citizens of under-represented countries (Zone B Society members) who are presenting at the conference. Each travel award includes a cash award of \$1,000. This year's travel awards recipients are:

**Jose M. Ceballos, University of Washington Seattle**

*The Role of Basal Ganglia Reinforcement Learning in Lexical Priming and Automatic Semantic Ambiguity Resolution*

**Tania Delgado, University of California San Diego**

*Differences in Learnability of Pantomime Versus Artificial Sign: Iconicity, Cultural Evolution, and Linguistic Structure*

**Nianyu Li, Peking University**

*A Conceptual Model of Self-Adaptive Systems Based on Attribution Theory*

**Che Lucero, Cornell University**

*Unconscious Number Discrimination in the Human Visual System*

**Mukesh B. Makwana, Centre of Behavioural and Cognitive Sciences, Mumbai**

*Hands in Mind: Learning to Write with Both Hands Improves Inhibitory Control, but Not Attention*

**Guilherme Sanches de Oliveira, University of Cincinnati**

*Bee-ing In the World: Phenomenology, Cognitive Science, and Interactivity in a Novel Insect-Tracking Task*

**Staci Meredith Weiss, Temple University**

*Individual Differences in Bodily Attention: Variability in Anticipatory Mu Rhythm Power Is Associated with Executive Function Abilities and Processing Speed*

# Student Travel Awards

The Robert J. Glushko and Pamela Samuelson Foundation generously sponsored \$10,000 for student travel awards. Travel awards have been provided to students whose submissions were accepted as full papers, received high rankings, and who indicated a need for travel funding. This year's travel awards went to:

Nicolas Collignon, University of Edinburgh

Douglas Guilbeault, University of Pennsylvania

Ethan Hurwitz, University of California, San Diego

Akila Kadambi, University of California, Los Angeles

Kei Kashiwadate, Deniki University

Lara Kirfel, University College London

Sang Ho Lee, Ohio State University

Ashley Leung, University of Chicago

Mahi Luthra, Indiana University

Olivia Miske, Arizona State University

Sebastian Musslick, Princeton University

Benjamin Peloquin, Stanford University

Nicolas Riesterer, University of Freiburg

Harrison Ritz, Brown University

Jennifer Sloane, University of New South Wales

Leila Straub, ETH Zurich

Karina Tachihara, Princeton University

Charley Wu, Max Planck Institute for Human Development

Yueyuan Zheng, University of Hong Kong

## Rumelhart Prize Presentation

Friday, July 26, 16:30 – 17:30, Room 517D

*Translating the ICAP Theory of Cognitive Engagement Into Practice*

**Michelene Chi, Arizona State University**

*Michelene (Micki) Chi is Regents' Professor at Arizona State University (ASU), and the Dorothy Bray Endowed Professor in the Mary Lou Fulton Teachers College at ASU. A cognitive and learning science researcher, Dr. Chi's Learning and Cognition Lab carries out three distinct lines of research on how students learn, especially for STEM content domains. In her talk, Dr. Chi will focus on the ICAP theory of cognitive engagement and present two five-year projects that attempted to translate ICAP into practice for K-12 teachers. Even with minimal teachers' successes at implementation, students' learning improved significantly. She will discuss the limitation of teachers' overall knowledge transfer, postulate why it is difficult to implement optimal co-constructive ways of collaboration for interactive engagement, and challenges of doing translation research.*

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. 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 Rumelhart Prize Reception and Announcement of the 19th Rumelhart Prize Recipient follow the Prize Presentation on **Friday, July 26, 17:30 – 18:30, Room 710.**

## Rumelhart Symposium

Friday, July 26, 10:20 – 12:00, Room 517D

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

*Translation Research in STEM Learning*

Kristy Boyer, University of Florida

Kirsten R Butcher, University of Utah

Jodi Davenport, WestEd

Percival G Matthews, University of Wisconsin

Jim Slotta, University of Toronto, Moderator

# Carvalho-Heineken Prize Presentation

Saturday, July 27, 11:00 – 12:00, Room 517D

*Functional Imaging of the Human Brain: A Window in the Architecture of the Human Mind*

Nancy Kanwisher, MIT

*The last 20 years of brain imaging research has revealed the functional organization of the human brain in glorious detail, including dozens of cortical regions each of which is specifically engaged in a particular mental task, like recognizing faces, perceiving speech sounds, and understanding the meaning of a sentence. Each of these regions is present, in approximately the same location, in every normal person. This initial rough sketch of the functional organization of the brain counts as real progress, giving us a kind of diagram of the major components of the human mind. But at the same time it is just the barest beginning. Really what our new map of the human brain offers is a vast landscape of new questions. In this talk I will first broadly survey some of the most widely replicated functionally distinctive cortical regions, and then describe ongoing work into three such questions. First, in light of widespread findings that functionally specific cortical regions contain information about “nonpreferred” stimuli, do some patches of cortex really play a highly specific causal role in processing just one class of stimuli? Second, how does all this complex structure, that is so similar across subjects, arise in development? I will discuss the developmental origins of cortical specificity, including a new finding of what appears to be a fusiform face area in the ventral visual pathway of congenitally blind people. Third, why do we have the particular functionally specific cortical regions we do, and apparently not others, and why, from a computational point of view, is functional specificity a good design feature for brains in the first place?*

The Royal Netherlands Academy of Arts and Sciences has awarded the *C.L. de Carvalho-Heineken Prize for Cognitive Science* 2018 to Nancy Kanwisher, Professor of Cognitive Neuroscience in the Department of Brain and Cognitive Sciences at the Massachusetts Institute of Technology in Cambridge (USA).

## Invited Presentations

### Keynote Talks

Thursday, July 25, 09:00 – 10:00, Room 517D

Mary Lou Maher, University of North Carolina

*Computational Models of Creativity: Curiosity, Novelty, and Surprise*

Friday, July 26, 09:00 – 10:00, Room 517D

Takeshi Okada, University of Tokyo

*Inspiration and Artistic Creation*

Saturday, July 27, 08:50 – 09:50, Room 517D

Elizabeth Churchill, Google

*Cognition, Collaboration, and Creativity: Google's Material Design as a Case Study*

### Jacobs Foundation Symposium

Thursday, July 25, 16:30 – 18:00, Room 517D

*How Curious? The Cognitive Need for Exploration and Discovery*

Elizabeth Bonawitz, Rutgers University

Tobias Hauser, University College London

Celeste Kidd, University of California, Berkeley

Allyson Mackey, University of Pennsylvania

Todd M. Gureckis, New York University, Moderator

### Invited Symposium

Saturday, July 27, 16:30 – 18:00, Room 517D

*Creativity in the Arts*

Brian Magerko, Georgia Tech

Valentina Nisi, University of Madeira

Gil Weinberg, Georgia Tech

David Kirsh, University of California San Diego, Moderator



# CogSci 2019

The 41<sup>st</sup> Annual Meeting of the Cognitive Science Society

## TUTORIALS AND WORKSHOPS

Wednesday, July 24							
Time	521ABC	518BC	525AB	524A	524B	524C	522ABC
08:00 - 16:00	Registration Open (Level 5 Foyer)						
09:00 - 10:30	Workshop - Guided Playful Learning: Developmental, Computational, and Educational Perspectives	Workshop - Heuristics, Hacks, and Habits: Boundedly Optimal Approaches to Learning, Reasoning, and Decision Making	Workshop - Using Replication Studies to Teach Research Methods in Cognitive Science	Tutorial - Optimizing the Design of an Experiment using the ADOPy Package: An Introduction and Tutorial	Tutorial - EMHMM: Eye Movement Analysis with Hidden Markov Models and Its Applications in Cognitive Research	Tutorial - Daylong Data: Raw Audio to Transcript via Automated and Manual Open-Science Tools	Tutorial - Quantum Theory in Cognitive Modeling
10:30 - 11:00	Morning Break (Level 5 Foyer)						
11:00 - 12:00	Workshop - Guided Playful Learning: Developmental, Computational, and Educational Perspectives	Workshop - Heuristics, Hacks, and Habits: Boundedly Optimal Approaches to Learning, Reasoning, and Decision Making	Workshop - Using Replication Studies to Teach Research Methods in Cognitive Science	Tutorial - Optimizing the Design of an Experiment using the ADOPy Package: An Introduction and Tutorial	Tutorial - EMHMM: Eye Movement Analysis with Hidden Markov Models and Its Applications in Cognitive Research	Tutorial - Daylong Data: Raw Audio to Transcript via Automated and Manual Open-Science Tools	Tutorial - Quantum Theory in Cognitive Modeling
12:00 - 13:00	Lunch Break (ON YOUR OWN)						
13:00 - 14:30	Workshop - Guided Playful Learning: Developmental, Computational, and Educational Perspectives	Workshop - Heuristics, Hacks, and Habits: Boundedly Optimal Approaches to Learning, Reasoning, and Decision Making	Workshop - Everyday Activities	Workshop - Measuring Creativity	Workshop - Beyond the Ivory Tower: Non-Academic Career Paths for Cognitive Scientists	Workshop - Predicting Individual Human Reasoning: The PRECORE-Challenge	Tutorial - Quantum Theory in Cognitive Modeling
14:30 - 15:00	Afternoon Break (Level 5 Foyer)						
15:00 - 16:00	Workshop - Guided Playful Learning: Developmental, Computational, and Educational Perspectives	Workshop - Heuristics, Hacks, and Habits: Boundedly Optimal Approaches to Learning, Reasoning, and Decision Making	Workshop - Everyday Activities	Workshop - Measuring Creativity	Workshop - Beyond the Ivory Tower: Non-Academic Career Paths for Cognitive Scientists	Workshop - Predicting Individual Human Reasoning: The PRECORE-Challenge	Tutorial - Quantum Theory in Cognitive Modeling



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## CONFERENCE PROGRAM

Thursday, July 25													
Time	521ABC	519A	519B	524A	524B	522ABC	524C	525AB	520AD	520BE	520CF	518BC	Plenary Room 517D
07:30 - 17:00	Registration Open (Level 5 Foyer)												
08:30 - 09:00	Welcome, Conference Opening and Award Presentations (Plenary Room, 517D)												
09:00 - 10:00	<b>Keynote: Mary Lou Maher, University of North Carolina (Plenary Room, 517D)</b> <i>Computational Models of Creativity: Curiosity Novelty, and Surprise</i>												
09:00 - 17:00	Exhibits Open (Level 5 Foyer)												
10:00 - 10:20	Morning Break (Level 5 Foyer)												
10:20 - 12:00	Language in Social Contexts	Memory Encoding	Perception	Explanation	Collaborative Cognition	Word Learning	Intention and Choice	Decision Making	Creativity	Extending Rationality	How Does Current AI Stack Up Against Human Intelligence?	Individual Differences in Spatial Representations and Wayfinding	
12:00 - 13:00	Lunch Break   Meet Cognitive Science Journal Editors and NSF Officers Presentation (Room 521AB)												
13:00 - 14:30	Poster Session 1 (517BC)												
14:30 - 16:10	Neural Dynamics	Decision Processes	Cognitive Architectures	Cultural Cognition	Casual Reasoning	Attention	Distributed Cognition		Paradigms	Language in Context	Learning Models	Communication	Glushko Awards Symposium
16:10 - 16:30	Afternoon Break (Level 5 Foyer)												
16:30 - 18:00	Jacobs Foundation Symposium: How Curious? The Need for Exploration and Discovery (Plenary Room, 517D)												
18:00 - 19:00	Cognitive Science Society Meeting - All are Welcome! (Plenary Room, 517D)												



# CogSci 2019

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## CONFERENCE PROGRAM

Friday, July 26													
Time	521ABC	519A	519B	524A	524B	522ABC	524C	525AB	520BE	520CF	518BC	520AD	Plenary Room 517D
08:00 - 17:00	Registration Open (Level 5 Foyer)												
09:00 - 10:00	Keynote: Takeshi Okada, University of Tokyo (Plenary Room, 517D) <i>Inspiration and Artistic Creation</i>												
09:00 - 17:00	Exhibits Open (Level 5 Foyer)												
10:00 - 10:20	Morning Break (Level 5 Foyer)												
10:20 - 12:00	Speech	Problem Solving	Decision Making Approaches	Thinking	Computational Models	Divergent Thinking	Reasoning		Modeling Language	Methods	Language Comprehension	Word Learning and Development	Rumelhart Symposium: Translation Research in STEM Learning
12:00 - 13:00	Lunch Break   Women in Cognitive Science Panel (Room 525AB)												
13:00 - 14:30	Poster Session 2 (517BC)												
14:30 - 16:10	Language Acquisition	Conceptual Representations	Analogy	Attention & Control	Curiosity & Exploration	Reading	Goals	Risk in Decision Making	Symposium in Memory of Jeff Elman: Language Learning, Prediction, and Temporal Dynamics	Beyond Number: Towards a Unified View of Dimensional Reasoning in Perception, Cognition and Language	In Vivo Studies of Solo and Team Performance	Insight and the Genesis of New Ideas	
16:10 - 16:30	Afternoon Break (Level 5 Foyer)												
16:30 - 17:30	Rumelhart Prize Presentation: Michelene Chi, Arizona State University (Plenary Room, 517D) <i>Translating the ICAP Theory of Cognitive Engagement into Practice</i>												
17:30 - 18:30	Rumelhart Prize Reception & Announcement of the 19th Rumelhart Prize Recipient (Room 710)												



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## CONFERENCE PROGRAM

Saturday, July 27												
Time	521ABC	519A	519B	524A	524B	522ABC	524C	525AB	520BE	520CF	518BC	520AD
08:00 – 17:00	Registration Open (Level 5 Foyer)											
08:50 - 09:50	<b>Keynote: Elizabeth Churchill, Google Research (Plenary Room, 517D)</b> <i>Cognition, Collaboration, and Creativity: Google's Material Design as a Case Study</i>											
09:00 - 16:30	Exhibits Open (Level 5 Foyer)											
09:50 - 10:10	Morning Break (Level 5 Foyer)											
10:10 - 11:00	Deceit	Individual Differences	Planning	Memory Challenges	Memory Recall	Evolutionary Constraints	Social Perception		Language in Adults	Language in Communities	Computational Approaches to Language Acquisition	Cross-Linguistic Analysis
11:00 - 12:00	<b>Carvalho-Heineken Prize Presentation: Nancy Kanwisher, MIT (Plenary Room, 517D)</b> <i>Functional Imaging of the Human Brain: A Window in the Architecture of the Human Mind</i>											
12:00 - 13:00	Lunch Break   Graduate Student and Postdoc Mentoring Session (Room 525AB)											
13:00 - 14:30	Poster Session 3 (517BC)											
14:30 - 16:10	Across Languages	Skill Acquisition	Spatial Cognition	Gestures	Pragmatics	Language Development	Social Cognition	Active Learning	What Makes a Good Explanation? Cognitive Dimensions Of Explaining Intelligent Machines	Cognitive Network Science: Quantitatively Investigating the Complexity of Cognition	Cognitive Development	Understanding Interactions Amongst Cognitive Control, Learning and Representation
16:10 - 16:30	Afternoon Break (Level 5 Foyer)											
16:30 - 18:00	Invited Symposium: Creativity in the Arts (Plenary Room, 517D)											
18:00 - 18:05	Conference Closes (Plenary Room, 517D)											



# CogSci 2019

## The 41st Annual Meeting of the Cognitive Science Society

Day	Time	Room	Program	Authors
Wednesday, July 24th				
Wednesday	08:00 - 16:00	Level 5 Foyer	Registration Open	
Wednesday	09:00 - 16:00	521ABC	Workshop - Guided Playful Learning: Developmental, Computational, and Educational Perspectives	Emily Daubert, Patrick Shafto
Wednesday	09:00 - 16:00	518BC	Workshop - Heuristics, Hacks, and Habits: Boundedly Optimal Approaches to Learning, Reasoning and Decision Making	Ishita Dasgupta, Eric Schulz, Jessica Hamrick, Josh Tenenbaum
Wednesday	09:00 - 16:00	522ABC	Tutorial - Quantum Theory in Cognitive Modeling	Emmanuel Pothos, James Yearsley Zheng, Joyce Wang, Peter Kvam, Jerome Busemeyer
Wednesday	09:00 - 12:00	525AB	Workshop - Using Replication Studies to Teach Research Methods in Cognitive Science	Josh de Leeuw, Janet Andrews, Ken Livingston, Michael Franke, Joshua K. Hartshorne, Jordan Rose Wagge
Wednesday	09:00 - 12:00	524A	Tutorial - Optimizing the Design of an Experiment Using the ADOpy Package: an Introduction and Tutorial	Jay Myung, Mark Pitt, Jaeyeong Yang, Woo-Young Ahn
Wednesday	09:00 - 12:00	524B	Tutorial - EMHMM: Eye Movement Analysis With Hidden Markov Models and Its Applications in Cognitive Research	Janet Hsiao, Antoni B. Chan
Wednesday	09:00 - 12:00	524C	Tutorial - Daylong Data: Raw Audio to Transcript Via Automated & Manual Open-science Tools	John P. Bunce, Erika Bergelson, Anne Warlaumont, Marisa Casillas
Wednesday	10:30 - 11:00	Level 5 Foyer	Morning Break	
Wednesday	12:00 - 13:00		Lunch Break	
Wednesday	13:00 - 16:00	525AB	Workshop - Everyday Activities	Holger Schultheis, Richard P. Cooper
Wednesday	13:00 - 16:00	524A	Workshop - Measuring Creativity	Ana-Maria Olteteanu, Richard. W. Hass, Evangelia G. Chrysikou
Wednesday	13:00 - 16:00	524B	Workshop - Beyond the Ivory Tower: Non-Academic Career Paths For Cognitive Scientists	Vanessa Simmering, Carissa L. Shafto
Wednesday	13:00 - 16:00	524C	Workshop - Predicting Individual Human Reasoning: the PRECORE-Challenge	Marco Ragni, Nicolas Oliver Riesterer, Sangeet Khemlani
Wednesday	14:30 - 15:00	Level 5 Foyer	Afternoon Break	
Thursday, July 25th				
Thursday	07:30 - 17:00	Level 5 Foyer	Registration Open	
Thursday	08:30 - 09:00	517D	Welcome: Conference Opening and Award Presentations	
Thursday	09:00 - 10:00	517D	Keynote: <i>Computational Models of Creativity: Curiosity Novelty, and Surprise</i>	Mary Lou Maher, University of North Carolina
Thursday	09:00 - 17:00	Level 5 Foyer	Exhibits Open	
Thursday	10:00 - 10:20	Level 5 Foyer	Morning Break	
Thursday	10:20 - 12:00	521ABC	Paper Session 1 – <i>Language in Social Contexts</i>	
			Action Prediction During Real-time Social Interactions in Infancy	Claire Monroy, Chi-hsin Chen, Derek Houston, Chen Yu
			Examining the Multimodal Effects of Parent Speech in Parent-infant Interactions	Sara E. Schroer, Linda Smith, Chen Yu
			Parents Calibrate Speech to Their Children's Vocabulary Knowledge	Ashley, C. Leung, Alexandra E. Tunkel, Dan Yurovsky
			Onomatopoeias, Gestures, Actions and Words: How Do Caregivers Use Multimodal Cues in their Communication to Children?	Ульяна Вигунова, Marietta Murgiano, Tamasini Motamedi, Elizabeth Wonnacott, Chloe Marshall, Pamela Benisek
Thursday	10:20 - 12:00	519A	Paper Session 2 – <i>Memory Encoding</i>	
			Semantic Categories of Artifacts and Animals Reflect Efficient Coding	Noga Zaslavsky, Terry Regier, Naftali Tishby, Charles Kemp
			Exploring the Role that Encoding and Retrieval Play in Sampling Effects	Keith James Ransom, Amy Perfors
			The Effect of Semantic Relatedness on Associative Asymmetry in Memory	Vencislav Popov, Qiong Zhang, Griffin E. Koch, Regina Calloway, Marc N. Coutanche
			Semantic Influences On Episodic Memory Distortions	Alexa Tompany, Sharon L. Thompson-Schill
Thursday	10:20 - 12:00	519B	Paper Session 3 – <i>Perception</i>	
			Separating Object Resonance and Room Reverberation in Impact Sounds	Jennifer Hu, James Traer, Josh McDermott
			Partitioning the Perception of Physical and Social Events Within a Unified Psychological Space	Tianmin Shu, Yujia Peng, Hongjing Lu, Song-Chun Zhu
			Unconscious Number Discrimination in the Human Visual System	Che Lucero, Geoffrey Brookshire, Roberto Bottini, Susan Goldin-Meadow Edward Vogel
			Congenitally Blind Individuals' Theories and Inferences About Object Color	Judy Kim, Lindsay Ann Yazzolino, Brianna Aheimer, Verónica Montané Manrara, Marina Bedry
Thursday	10:20 - 12:00	524A	Paper Session 4 – <i>Explanation</i>	
			Without Conceptual Information Children Miss the Boat: Examining the Role of Explanations and Anomalous Evidence in Scientific Belief Revision	Nicole Larsen, Vaunam Venkadasalam, Patricia Ganea
			Inquiry, Theory-Formation, and the Phenomenology of Explanation	Emily G. Liquin, Tania Lombrozo
			Simulating Explanatory Coexistence: Integrated, Synthetic, and Target-Dependent Reasoning	Scott E. Friedman, Micah Goldwater
			Explanatory Considerations Guide Pursuit	Patricia L. Mirabile, Tania Lombrozo

Thursday	10:20 - 12:00	524B	Paper Session 5 – <i>Collaborative Cognition</i>	
			Why Do Echo Chambers Form? The Role of Trust, Population Heterogeneity, and Objective Truth	Amy Perfors, Danielle Navarro
			Evaluating Theories of Collaborative Cognition Using the Hawkes Process and a Large Naturalistic Data Set	Mohsen Afrasiabi, Mark G. Orr, Joseph Larry Austerweil
			How Real Is Moral Contagion in Online Social Networks?	Jason W. Burton, Nicole Cruz, Ulrike Hahn
			The Evolutionary Dynamics of Cooperation in Collective Search	Alan Novaes Tump, Charley Mingshuo Wu, Imen Bouhlei, Robert Goldstone
Thursday	10:20 - 12:00	522ABC	Paper Session 6 – <i>Word Learning</i>	
			Statistical Learning Supports Word Learning and Memory	Ferhat Karaman, Jill Lany, Jessica Fleming Hay
			The Everyday Statistics of Objects and Their Names: How Word Learning Gets Its Start	Elizabeth M. Clerkin, Linda Smith
			Sampling to Learn Words: Adults and Children Sample Words That Reduce Referential Ambiguity	Martin Zettersten, Jenny Saffran
			Evidence of Error-driven Cross-situational Word Learning	Chris Grimmick, Todd M. Gureckis, George Kachergis
Thursday	10:20 - 12:00	524C	Paper Session 7 – <i>Intention and Choice</i>	
			Do Children Ascribe the Ability to Choose to Humanoid Robots?	Teresa Flanagan, Joshua Rottman, Lauren H. Howard
			The Intentional Stance Toward Robots: Conceptual and Methodological Considerations	Sam Thellman, Tom Ziemke
			Hard Choices: Children's Understanding of the Cost of Action Selection	Shari Liu, Fiery Cushman, Samuel Gershman, Wouter Kool, Elizabeth Spelke
			Productivity Depends On Communicative Intention and Accessibility, Not Thresholds	Alexia Hernandez, Sammy Floyd, Adele Goldberg
Thursday	10:20 - 12:00	525AB	Paper Session 8 – <i>Decision Making</i>	
			Frequency Effects in Decision-Making Are Predicted by Dirichlet Probability Distribution Models	Astin C. Cornwall, Darrell Worthy, Hilary J. Don,
			The Impact of Anecdotal Information on Medical Decision-making	Sara Jaramillo, Zachary Horne, Micah Goldwater
			Zero-sum Reasoning in Information Selection	Toby D. Pilditch, Alice Liefgreen, David Lagnado
			The Decision Science of Voting: Behavioral Evidence of Factors in Candidate Valuation	Janne Kauttonen, Jyrki Suomala
Thursday	10:20 - 12:00	520AD	Paper Session 9: Publication-Based Talks – <i>Creativity</i>	
			A Cultural Evolution Framework for Human Creativity	Liane Gabora
			On the Nature of Creative Processes: Performativity as a Missing Algorithm	Antonio Antonio Pennisi, Gessica Fruciano, Giovanni Pennisi
			Why Sociality Affects Creativity: Lessons from Autism	Paola Pennisi, Laura Giallongo
			Modeling Human Creative Cognition Using AI Techniques	Steve DiPaola
Thursday	10:20 - 12:00	520BE	<i>Extending Rationality</i>	Emmanuel Pothos, Jerome Busemeyer, Tim Pleskac, James Yearsley, Josh Tenenbaum, Michael Henry Tessler, Tom Griffiths, Falk Lieder, Ralph Hertwig, Thorsten Pachur, Christina Leuker, Richard Shiffrin
Thursday	10:20 - 12:00	520CF	<i>How Does Current AI Stack Up against Human Intelligence?</i>	Paul Thagard, Ken Forbus, Dedre Gentner, John. E. Laird, Thomas Shultz, Ardavan S. Nobandegani
Thursday	10:20 - 12:00	518BC	<i>Individual Differences in Spatial Representations and Wayfinding</i>	Thackery Brown, Alina Nazareth, Maria Brucato, Veronique Bohbot, Nora Newcombe, Daniel Voyer Lucy Huang, Qiliang He, Jon Starnes, Sarah Goodroe Timothy. P. McNamara
Thursday	12:00 - 13:00	521AB	Meet Cognitive Science Journal Editors and NSF Officers Presentation	
Thursday	12:00 - 13:00		Lunch Break	
Thursday	13:00 - 14:30	517BC	Poster Session 1	
Thursday	14:30 - 16:10	521ABC	Paper Session 10 – <i>Neural Dynamics</i>	
			Neural Dynamic Concepts for Intentional Systems	Jan Tekülve, Gregor Schöner
			Towards a Neural-level Cognitive Architecture: Modeling Behavior in Working Memory Tasks with Neurons	Zoran Tiganj, Nathanael Allen, Cruzado Marc Howard
			Comparing Gated and Simple Recurrent Neural Network Architectures as Models of Human Sentence Processing	Christoph Aurnhammer, Stefan Frank
			The Interaction Between Structure and Meaning in Sentence Comprehension: Recurrent Neural Networks and Reading Times	Stefan Frank, John Hoeks
Thursday	14:30 - 16:10	520BE	Paper Session 11 – <i>Language in Context</i>	
			How Do Infants Start Learning Object Names in a Sea of Clutter?	Hadar Karmazyn Raz, Drew H. Abney, David Crandall, Chen Yu Linda Smith
			Environmental Regularities Shape Semantic Organization Throughout Development	Layla Unger, Vladimir Sloutsky
			A Predictability-distinctiveness Trade-off in the Historical Emergence of Word Forms	Aotao Xu, Christian Ramiro, Yang Xu
			Unexpectedness Makes a Sociolinguistic Variant Easier to Learn: An Alien-language-learning Experiment	Wei Lai, Péter Rác, Gareth Roberts

Thursday	14:30 - 16:10	519A	<b>Paper Session 12 – Decision Processes</b>	
			The Effect of Stimulus Presentation Time On Bias: A Diffusion-model Based Analysis	Jeremy Ngo, Chris Donkin
			How Much to Purchase? A Cognitive Adaptive Decision Making Account	Percy Mistry
			At the Zebra Crossing: Modelling Complex Decision Processes With Variable-Drift Diffusion Models	Oscar, Terence, Giles, Gustav Markkula, Jami Pekkanen, Naoki Yokota Naoto Matsunaga, Tatsuru Daimon
			Towards a Space of Contextual Effects on Choice Behavior: Insights from the Drift Diffusion Model	Wenjia Joyce Zhao, Aoife Coady, Sudeep Bhatia
Thursday	14:30 - 16:10	522ABC	<b>Paper Session 13 – Attention</b>	
			Parametric Control of Distractor-oriented Attention	Harrison Ritz, Amitai Shenhav
			Efficiency and Flexibility of Individual Multitasking Strategies - Influence of Between-Task Resource Competition	Jovita Bruening, Marie Mückstein, Dietrich Manzey
			Asymmetric Switch Costs as a Function of Task Strength	Markus Spitzer, Sebastian Musslick, Michael Shvartsman, Amitai Shenhav Jonathan Cohen
			Individual Differences in Bodily Attention: Variability in Anticipatory Mu Rhythm Power Is Associated With Executive Function Abilities and Processing Speed	Staci Meredith Weiss, Rebecca. L. Laconi, Peter J. Marshall
Thursday	14:30 - 16:10	524A	<b>Paper Session 14 – Cultural Cognition</b>	
			Cumulative Cultural Evolution in a Non-copying Task in Children and Guinea Baboons	Carmen Saldana, Joel Fagot, Simon Kirby, Kenny Smith, Nicolas Claidiere
			The First Crank of the Cultural Ratchet: Learning and Transmitting Concepts Through Language	Sahil Chopra, Michael Henry Tessler, Noah Goodman
			Seeing the Big Picture: Do Some Cultures Think More Abstractly Than Others?	Amritpal, M.P., Singh, Qi Wang, Daniel Casasanto
			Conceptualization of Cultural Diversity for Efficient and Flexible Manufacturing Systems of the Future	Kashif Zia, Alois Ferscha, Dari Trendafilov
Thursday	14:30 - 16:10	524B	<b>Paper Session 15 – Causal Reasoning</b>	
			Limits On the Use of Simulation in Physical Reasoning	Ethan J. Ludwin-Peery, Neil, R, Bramley, Ernest Davis, Todd, M, Gureckis
			Implicit Evaluations Reflect Causal Information	Benedek Kurdi, Adam Morris, Fiery Cushman
			I Know What You Did Last Summer (and How Often): K126Epistemic States and Statistical Normality in Causal Judgements	Lara Kirfel, David Lagnado
			Politically Motivated Causal Evaluations of Economic Performance	Zachary A. Caddick, Benjamin Rottman
Thursday	14:30 - 16:10	524C	<b>Paper Session 16 – Distributed Cognition</b>	
			The Complex System of Mathematical Creativity: Modularity, Burstiness, and the Network Structure of How Experts Use Inscriptions	Tyler Marghetis, Kate Samson, David Landy
			Patterns of Coordination in Simultaneously and Sequentially Improvising Jazz Musicians	Matthew Setzler, Robert Goldstone
			Self-Organized Division of Cognitive Labor	Edgar Andrade, Robert Goldstone
			Bee-ing in the World: Phenomenology, Cognitive Science, and Interactivity in a Novel Insect-Tracking Task	Guilherme Sanches de Oliveira, Chris Riehm, Colin Toussaint Annand
Thursday	14:30 - 16:10	518BC	<b>Paper Session 17 – Communication</b>	
			Contextualizing Conversational Strategies: Backchannel, Repair and Linguistic Alignment in Spontaneous and Task-Oriented Conversations	Christina Dideriksen, Riccardo Fusaroli, Kristian Tylén, Mark Dingemanse, Morten H. Christiansen
			Conversation Transition Times: Working Memory & Conversational Alignment	Julie E. Bolland
			The Effects of Embodiment and Social Eye-Gaze in Conversational Agents	Dimosthenis Kontogiorgos, Gabriel Skantze, Andre Pereira, Joakim Gustafson
			Disentangling Contributions of Visual Information and Interaction History in the Formation of Graphical Conventions	Robert Hawkins, Megumi Sano, Noah Goodman, Judith E. Fan
Thursday	14:30 - 16:10	519B	<b>Paper Session 18 – Cognitive Architectures</b>	
			Model-based Approach With ACT-R About Benefits of Memory-based Strategy On Anomalous Behaviors	Shota Matsubayashi, Kazuhisa Miwa, Hitoshi Terai
			A Unified Model of Fatigue in a Cognitive Architecture: Time-of-Day and Time-on-Task Effects On Task Performance	Ehsan Khosroshahi, Dario Salvucci, Glenn Gunzelmann, Bella Veksler
			Comparing Alternative Computational Models of the Stroop Task Using Effective Connectivity Analysis of fMRI Data	Micah Ketola, Linxing, Preston, Jiang, Andrea Stocco
			On Formal Verification of ACT-R Architectures and Models	Vincent Langenfeld, Bernd Westphal, Andreas Podelski
Thursday	14:30 - 16:10	520CF	<b>Paper Session 19 – Learning Models</b>	
			Role of Working Memory On Strategy Use in the Probability Learning Task	Mahi K, Luthra, Peter M. Todd
			An Integrated Trial-Level Performance Measure: Combining Accuracy and RT to Express Performance During Learning	Florian Sense, Tiffany Jastrzembski, Michael Krusmark, Siera Martinez Hedderik van Rijn
			Statistical Learning Generates Implicit Conjunctive Predictions	Ru Qi Yu, Jiaying Zhao
			Modelling Emotion Based Reward Valuation With Computational Reinforcement Learning	Can Koluman, Christopher Child, Tillman Weyde

Thursday	14:30 - 16:10	520AD	Paper Session 20 – Publication-Based Talks - <i>Paradigms</i>	
			Cognitive Chrono-Ethnography (CCE): A Behavioral Study Methodology Underpinned By the Cognitive Architecture, MHP/RT	Muneo Kitajima
			From Design Cognition to Design Neurocognition	John Gero
			Logicist Computational Cognitive Modeling of Infinitary False Belief Tasks	Selmer Bringsjord, Naveen Sundar Govindarajulu, Christina Elmore
			Concept Learning With Energy-Based Models	Igor Mordatch
Thursday	14:30 - 16:10	517D	Glushko Awards Symposium	Kirsten C. S. Adam, University of California San Diego; Max Kleiman-Weiner, Harvard University; Martin Maier, Humboldt-University Berlin; Jean-Paul Noel, Vanderbilt University and New York University; Katharine A. Tillman, University of Texas at Austin
Thursday	16:10 - 16:30		Afternoon Break	
Thursday	16:30 - 18:00	517D	Jacobs Foundation Symposium: <i>How Curious? The Need for Exploration and Discovery</i>	Elizabeth Bonawitz, Rutgers Univ.; Tobias Hauser, University College London; Celeste Kidd, University of California, Berkeley; Allyson Mackey, Univ. of Pennsylvania; Todd Gureckis, New York University
Thursday	18:00 - 19:00	517D	Cognitive Science Society Meeting - All are welcome!	
Friday, July 26th				
Friday	08:00 - 17:00	Level 5 Foyer	Registration Open	
Friday	09:00 - 10:00	517D	Keynote: <i>Inspiration and Artistic Creation</i>	Takeshi Okada, University of Tokyo
Friday	09:00 - 17:00	Level 5 Foyer	Exhibits Open	
Friday	10:00 - 10:20	Level 5 Foyer	Morning Break	
Friday	10:20 - 12:00	521ABC	Paper Session 21 – <i>Speech</i>	
			Articulatory Features of Phonemes Pattern to Iconic Meanings: Evidence From Cross-linguistic Ideophones	Arthur, Lewis, Thompson, Nicolas Collignon, Youngah Do
			Linguistic Syncopation: Alignment of Musical Meter to Syntactic Structure and Its Effect On Sentence Processing	Courtney Hilton, Micah Goldwater
			Speech Processing Does Not Involve Acoustic Maintenance	Spencer Caplan, Alon Hafri, John Trueswell
			Does Predictive Processing Imply Predictive Coding in Models of Spoken Word Recognition?	James Magnuson, Monica Li, Sahil Luthra, Heejo You Rachael, J. Steiner
Friday	10:20 - 12:00	519A	Paper Session 22 – <i>Problem Solving</i>	
			When Graph Comprehension Is an Insight Problem	Amy Fox, James Hollan, Caren M. Walker
			Rapid Trial-and-Error Learning in Physical Problem Solving	Kelsey, R. Allen, Kevin A. Smith, Josh Tenenbaum
			An Insight Into Language: Investigating Lexical and Morphological Effects in Compound Remote Associate Problem Solving	Alexander, H. Bower, Andrew Burton, Mark Steyvers, William Batchelder
			The Disappearing “Advantages of Abstract Examples in Learning Math”	Dragan Trninic, Manu Kapur, Tanmay Sinha
Friday	10:20 - 12:00	524A	Paper Session 23 – <i>Thinking</i>	
			Predictions From Uncertain Moral Character	Samuel Johnson, Gregory Murphy, Max Rodrigues, Frank Keil
			A Friend, or a Toy? Four-year-olds Strategically Demonstrate Their Competence to a Puppet But Only When Others Treat It as an Agent	Mika Asaba, Xiaojian Li, Wei Quin Yow, Hyowon Gweon
			Who Is Better? Preschoolers Infer Relative Competence Based On Efficiency of Process and Quality of Outcome	Julia Leonard, Grace E. Bennett-Pierre, Hyowon Gweon
			Does Video Content Facilitate Or Impair Comprehension of Documentaries? The Effect of Cognitive Abilities and Eye Movement Strategy	Yueyuan Zheng, Xinchun Ye, Janet Hsiao
Friday	10:20 - 12:00	519B	Paper Session 24 – <i>Decision Making Approaches</i>	
			A Resource-Rational Process-Level Account of the St. Petersburg Paradox	Ardavan S. Nobandegani, Kevin da Silva-Castanheira, Thomas Shultz, A. Ross Otto
			Toward a Formal Science of Heuristics	Ardavan S. Nobandegani, Thomas Shultz
			Imagining the Good: An Offline Tendency to Simulate Good Options Even When No Decision Has to Be Made	Joan Danielle K. Ongchoco, Julian Jara-Ettinger, Joshua Knobe
			What’s Lagging in Our Understanding of Interruptions? Effects of Interruption Lags in Sequential Decision-Making	Jennifer Sloane, Christopher Donkin, Ben Newell, Garston Liang
Friday	10:20 - 12:00	524B	Paper Session 25 – <i>Computational Models</i>	
			Modeling Ungrammaticality: A Self-Organizing Model of Islands	Sandra Villata, Jon Sprouse, Whitney Tabor
			Iconicity and Structure in the Emergence of Combinatoriality	Matthias Hofer, Roger Levy
			The Role of Basal Ganglia Reinforcement Learning in Lexical Priming and Automatic Semantic Ambiguity Resolution	Jose, M., Ceballos, Andrea Stocco, Chantel Prat
			Generating Normative Predictions With a Variable-length Rate Code	S. Thomas Christie, Paul Schrater
Friday	10:20 - 12:00	520AD	Paper Session 26 – <i>Word Learning and Development</i>	
			Environmental Effects on Parental Gesture and Infant Word Learning	Rachael W Cheung, Calum Hartley, Padraic Monaghan
			Integrating Common Ground and Informativeness in Pragmatic Word Learning	Manuel Bohn, Michael, Henry, Tessler, Michael C. Frank
			Incorrect Guesses Boost Retention of Novel Words in Adults But Not in Children	Chiara Gambi, Martin J. Pickering, Hugh Rabagliati
			Modeling Individual Performance in Cross-situational Word Learning	Yuna Han Khoe, Amy Perfors, Andrew Hendrickson

Friday	10:20 - 12:00	524C	Paper Session 27 – Reasoning	
			Explaining Intuitive Difficulty Judgments By Modeling Physical Effort and Risk	Ilker Yildirim, Basil Saeed, Grace E. Bennett-Pierre, Tobias Gerstenberg, Josh Tenenbaum, Hyowon Gweon
			A New Probabilistic Explanation of the Modus Ponens--Modus Tollens Asymmetry	Ben Eva, Stephan Hartmann, Henrik Singmann
			What Information Shapes and Shifts People's Attitudes About Capital Punishment?	Olivia A. Miske, Nick Schweitzer, Zachary Horne
			Modeling Human Syllogistic Reasoning: the Role of "No Valid Conclusion"	Nicolas Oliver Riesterer, Daniel Brand, Hannah Dames, Marco Ragni
Friday	10:20 - 12:00	518BC	Paper Session 28 – Language Comprehension	
			Subjectivity-based Adjective Ordering Maximizes Communicative Success	Michael Franke, Gregory Scontras, Mihael Simonic
			Children, More Than Adults, Rely on Similarity to Access Multiple Meanings of Words	Sammy Floyd, Casey Lew-Williams, Adele Goldberg
			Dark Forces in Language Comprehension: The Case of Neuroticism and Disgust in a Pupillometry Study	Isabell Hubert, Juhani Järvikivi
			Verb Frequency Explains the Unacceptability of Factive and Manner-of-speaking Islands in English	Yingtong Liu, Rachel Ryskin, Richard Futrell, Edward Gibson
Friday	10:20 - 12:00	522ABC	Paper Session 29 – Divergent Thinking	
			Building Individual Semantic Networks and Exploring Their Relationships With Creativity	Mathieu Bernard, Yoed Kenett, Marcela Ovando Tellez, Mathias Benedek, Emmanuelle Volle
			Idea Generation and Goal-Derived Categories	Richard W. Hass, Colin Long, Joshua Pierce
			Fanning Creative Thought: Semantic Richness Impacts Divergent Thinking	Roger Beaty, Yoed Kenett, Richard W. Hass
			Interaction Between Idea-generation and Idea-externalization Processes in Artistic Creation: Study of an Expert Breakdancer	Daichi Shimizu, Masaya Hirashima, Takeshi Okada
Friday	10:20 - 12:00	520BE	Paper Session 30 – Modeling Language	
			Sensorimotor Norms: Perception and Action Strength Norms for 40,000 Words	Dermot Lynott, Louise Connell, Marc Brysbaert, James Brand James Carney
			The Role of Information in Visual Word Recognition: A Perceptually-Constrained Connectionist Account	Raquel G. Alhama, Noam Siegelman, Ram Frost, Blair Armstrong
			Children's Overextension as Communication by Multimodal Chaining	Renato Ferreira Pinto Junior, Yang Xu
			Applying Deep Language Understanding to Open Text: Lessons Learned	Marjorie McShane, Stephen Beale, Irene Nirenburg
Friday	10:20 - 12:00	520CF	Paper Session 31 – Publication-Based Talks - Methods	
			Evolution and Efficiency in Color Naming: the Case of Nafaanra	Noga Zaslavsky, Karee Garvin, Charles Kemp, Naftali Tishby Terry Regier
			Towards Emotion Based Music Generation: A Tonal Tension Model Based On the Spiral Array	Dorien Herremans, Elaine Chew
			Warning: The Exemplars in Your Category Representation May Not Be the Ones Experienced During Learning	Kenneth Kurtz, Daniel Sillman
			Language and Event Recall in Memory for Time	Yaqi Wang, Silvia P. Gennari
Friday	10:20 - 12:00	517D	Rumelhart Symposium in Honor of Michelene Chi, Arizona State: Translation Research in STEM Learning	Kristy Boyer, University of Florida; Kirsten R. Butcher, University of Utah; Jodi Davenport, WestEd; Percival G. Matthews, University of Wisconsin; Jim Slotta, University of Toronto
Friday	12:00 - 13:00	525AB	Women in Cognitive Science Panel	
Friday	12:00 - 13:00		Lunch Break	
Friday	13:00 - 14:30	517BC	Poster Session 2	
Friday	14:30 - 16:10	519A	Paper Session 32 – Conceptual Representations	
			The Social Network Dynamics of Category Formation	Douglas R. Guilbeault, Andrea Baronchelli, Damon Centola
			Stereotypes of Transgender Categories: Attributes and Lay Theories	Natalie Gallagher, Galen Bodenhausen
			The End's in Plain Sight: Implicit Association of Visual and Conceptual Boundedness	Jonathan N. Wehry, Alon Hafri, John Trueswell
			Season Naming and the Local Environment	Charles Kemp, Alice Gaby, Terry Regier
Friday	14:30 - 16:10	524A	Paper Session 33 – Attention & Control	
			Individual Differences in Self-Recognition From Body Movements	Akila Kadambi, Hongjing Lu
			A Mechanistic Account of Constraints on Control-Dependent Processing: Shared Representation, Conflict and Persistence	Sebastian Musslick, Jonathan Cohen
			Controlling Attention in a Memory-Augmented Neural Network to Solve Working Memory Tasks.	T. S. Jayram, Younes Bouhadjar, Tomasz Kornuta, Ryan L. Macavoy, Alexis Asseman, Ahmet S. Ozcan
			Hands in Mind: Learning to Write With Both Hands Improves Inhibitory Control, But Not Attention	Mukesh B. Makwana, Biswajit Boity, Prasanth P. Chandran, Amogh Simnoorkar Sanjay Chandrasekharan

Friday	14:30 - 16:10	524B	Paper Session 34 – <i>Curiosity &amp; Exploration</i>	
			Pedagogical Questions Empower Exploration	Anishka Jean Emily Daubert, Yue Yu, Patrick Shafto, Elizabeth Bonawitz
			Under Pressure: The Influence of Time Limits on Human Exploration	Charley, Mingshuo, Wu, Eric Schulz, Kimberly Gerbaulet, Timothy, J., Pleskac Maarten Speekenbrink
			If It's Important, Then I Am Curious: A Value Intervention to Induce Curiosity	Rachit Dubey, Tom Griffiths, Tania Lombrozo
			Preschoolers Jointly Consider Others' Expressions of Surprise and Common Ground to Decide When to Explore	Yang Wu, Hyowon Gweon
Friday	14:30 - 16:10	521ABC	Paper Session 35 – <i>Language Acquisition</i>	
			The Acquisition of French 'Un'	Elisabeth Marchand, David Barner
			Something About "us": Learning First Person Pronoun Systems	Mora Maldonado, Jennifer Culbertson
			Children Learn Words Better in Low Entropy	Ori Lavi-Rotbain, Inbal Arnon
			Modality Effects in Vocabulary Acquisition	Merel C. Wolf, Alastair Smith, Caroline Rowland, Antje Meyer
Friday	14:30 - 16:10	519B	Paper Session 36 – <i>Analogy</i>	
			Metaphors We Teach By: A Method For Mapping Metaphorical Lay Theories	Stephen Flusberg, Bridgette Hard
			Comparing Apples to Cash Flows: Structural Alignment in Financial Decision Making	Shir Dekel, Micah Goldwater, Dan Lovallo
			Algebraic Patterns as Ensemble Representations	Anna Leshinskaya, Enoch Lambert, Sharon L. Thompson-Schill
			Looking Patterns During Analogical Reasoning: Generalizable Or Task-Specific?	Katharine, F., Guarino, Robert Morrison, Lindsey Engle Richland, Elizabeth M. Wakefield
Friday	14:30 - 16:10	522ABC	Paper Session 37 – <i>Reading</i>	
			To Catch a Snitch: Brain Potentials Reveal Knowledge-based Variability in the Functional Organization of (Fictional) World Knowledge During Reading	Melissa Troyer, Marta Kutas
			Character-based Surprisal as a Model of Reading Difficulty in the Presence of Errors	Michael Hahn, Frank Keller, Yonatan Bisk, Yonatan Belinkov
			A Rational Model of Word Skipping in Reading: Ideal Integration of Visual and Linguistic Information	Yunyan Duan, Klinton Bicknell
			Individual Differences in Reading Experiences: The Roles of Mental Imagery and Fantasy	Marloes Mak, Roel M. Willems
Friday	14:30 - 16:10	524C	Paper Session 38 – <i>Goals</i>	
			Impatient to Receive Or Impatient to Achieve: Goal Gradients and Time Discounting	Oleg Urminsky, Indranil Goswami
			Asking Goal-oriented Questions and Learning From Answers	Anselm Rothe, Brenden Lake, Todd M. Gureckis
			Task Goals Structure Conceptual Acquisition	Seth Chin-Parker, Eric Brown
			The Goal Bias in Memory and Language: Explaining the Asymmetry	Monica L. Do, Anna Papafragou, John Trueswell
Friday	14:30 - 16:10	525AB	Paper Session 39 – <i>Risk in Decision Making</i>	
			Risk Is Preferred at Lower Causal Depth	Jeffrey R. Parker
			Why Do People Reject Mixed Gambles?	Wenjia Joyce Zhao, Lukasz Walasek, Sudeep Bhatia
			A Resource-Rational Mechanistic Approach to One-shot Non-cooperative Games: The Case of Prisoner's Dilemma	Ardavan S. Nobandegani, Kevin da Silva-Castanheira, Thomas Shultz, A. Ross Otto
			Evaluating Models of Human Behavior in an Adversarial Multi-Armed Bandit Problem	Marcus Gutierrez, Jakub Cerny, Noam Ben-Asher, Efrat Aharonov-Majar, Branislav Bosansky, Cleotilde Gonzalez
Friday	14:30 - 16:10	520AD	Insight and the Genesis of New Ideas	Frederic Vallee-Tourangeau, Linden J. Ball, Anna Abraham, Carola Salvi, Ut Na Sio
Friday	14:30 - 16:10	518BC	In Vivo Studies of Solo and Team Performance	Wayne D. Gray, Ray Perez, Jerad H. Moxley, David Mendonca, Jamie Gorman
Friday	14:30 - 16:10	520BE	Symposium in Memory of Jeff Elman: Language Learning, Prediction, and Temporal Dynamics	Jay McClelland, Ken McRae
Friday	14:30 - 16:10	520CF	Beyond Number: Towards a Unified View of Dimensional Reasoning in Perception, Cognition and Language	Pooja Paul, Anna Papafragou, Jessica Cantlon, Stella Lourenco Lauren Aulet
Friday	16:10 - 16:30	Level 5 Foyer	Afternoon Break	
Friday	16:30 - 17:30	517D	Rumelhart Prize Presentation: <i>Translating the ICAP Theory of Cognitive Engagement Into Practice</i>	
Friday	17:30 - 18:30	710	Rumelhart Reception & Announcement of 19th Rumelhart Prize Recipient	
Saturday, July 27th				
Saturday	08:00 - 17:00	Level 5 Foyer	Registration Open	
Saturday	08:50 - 09:50	517D	Keynote: <i>Cognition, Collaboration, and Creativity: Google's Material Design as a Case Study</i>	
Saturday	09:00 - 16:30	Level 5 Foyer	Exhibits Open	
Saturday	9:50 - 10:10	Level 5 Foyer	Morning Break	
Saturday	10:10 - 11:00	520AD	Paper Session 40 – <i>Cross-Linguistic Analysis</i>	
			Availability-Based Production Predicts Speakers' Real-time Choices of Mandarin Classifiers	Meilin Zhan, Roger Levy
			Efficient Use of Ambiguity in an Early Writing System: Evidence From Sumerian Cuneiform	Noah Hermalin, Terry Regier

Saturday	10:10 - 11:00	524A	Paper Session 41 – <i>Memory Challenges</i>	
			Sleep Does Not Help Relearning Declarative Memories in Older Adults	Emilie Gerbier, Guillaume T. Vallet, Thomas C. Toppino, Stéphanie Mazza
			A Definition of Memory for the Cognitive Sciences	Brett, Alexander, Ross, Luis H. Favela
Saturday	10:10 - 11:00	518BC	Paper Session 42 – <i>Computational Approaches to Language Acquisition</i>	
			Modeling Children's Early Linguistic Productivity Through the Automatic Discovery and Use of Lexically-based Frames	Stewart M. McCauley, Morten H. Christiansen
			Multiword Units Predict Non-inversion Errors in Children's Wh-questions: "What Corpus Data Can Tell Us?"	Stewart M. McCauley, Colin Bannard, Anna Theakston, Michelle Davis, Thea Cameron-Faulkner
Saturday	10:10 - 11:00	520BE	Paper Session 43 – <i>Language in Adults</i>	
			Measuring Creative Ability in Spoken Bilingual Text: The Role of Language Proficiency and Linguistic Features	Stephen Skalicky, Scott Crossley, Danielle McNamara, Kasia Muldner
			Cognitive Aging Effects On Language Use in Real-Life Contexts: A Naturalistic Observation Study	Minxia Luo, Gerold Schneider, Mike Martin, Burcu Demiray
Saturday	10:10 - 11:00	521ABC	Paper Session 44 – <i>Deceit</i>	
			Deception in Evidential Reasoning: Willful Deceit Or Honest Mistake?	Toby D. Pilditch, Alexander Fries, David Lagnado
			Designing Good Deception: Recursive Theory of Mind in Lying and Lie Detection	Lauren A. Oey, Adena Schachner, Ed Vul
Saturday	10:10 - 11:00	524B	Paper Session 45 – <i>Memory Recall</i>	
			Rapid Presentation Rate Negatively Impacts the Contiguity Effect in Free Recall	Claudio Toro-Serey, Ian Marcus Bright, Brad Wyble, Marc Howard
			Word Frequency Affects Binding Probability Not Memory Precision	Vencislav Popov, Matt So, Lynne Reder
Saturday	10:10 - 11:00	520CF	Paper Session 46 – <i>Language in Communities</i>	
			The Shape of Language Experience in Two Traditional Communities	Marisa Casillas
			Tuning to Multiple Statistics: Second Language Processing of Multiword Sequences Across Registers	Elma Kerz, Daniel Wiechmann, Morten H. Christiansen
Saturday	10:10 - 11:00	519A	Paper Session 47 – <i>Individual Differences</i>	
			Individual Differences in Judging Similarity Between Semantic Relations	Nicholas Ichien, Hongjing Lu, Keith Holyoak
			Ain't That a Shame: An Exploration Into "Academic" Shame and STEM Learning	Jeremiah Sullins, Collin Phillips, Lucy Grace Camp, Kailey Thornton Ashlyn Wilson
Saturday	10:10 - 11:00	524C	Paper Session 48 – <i>Social Perception</i>	
			Modifying Social Dimensions of Human Faces With ModIAE	Chad Atalla, Amanda Song, Garrison W. Cottrell
			Illusory Body Perception and Experience in Furries	Alexander Kranjec, Louis Lamanna, Erick Guzman, Courtney Plante Stephen Reysen, Sharon Roberts Elizabeth Fein
Saturday	10:10 - 11:00	522ABC	Paper Session 49 – <i>Evolutionary Constraints</i>	
			Inductive Biases Constrain Cumulative Cultural Evolution	Bill Thompson, Tom Griffiths
			The Emergence of Monotone Quantifiers Via Iterated Learning	Fausto Carcassi, Shane Steinert-Threlkeld, Jakub Szymanik
Saturday	10:10 - 11:00	519B	Paper Session 50 – <i>Planning</i>	
			Detecting Social Transmission in the Design of Artifacts Via Inverse Planning	Ethan Hurwitz, Timothy F. Brady, Adena Schachner
			People's Perception of Others' Risk Preferences	Shari Liu, John McCoy, Tomer D. Ullman
Saturday	11:00 - 12:00	517D	Carvalho-Heineken Prize Presentation: <i>Functional Imaging of the Human Brain: A Window in the Architecture of the Human Mind</i>	Nancy Kanwisher, MIT
Saturday	12:00 - 13:00	525AB	Graduate Student and Postdoc Mentoring Session	
Saturday	12:00 - 13:00		Lunch Break	
Saturday	13:00 - 14:30	517BC	Poster Session 3	
Saturday	14:30 - 16:10	521ABC	Paper Session 51 - <i>Across Languages</i>	
			Differences in Learnability of Pantomime Versus Artificial Sign: Iconicity, Cultural Evolution, and Linguistic Structure	Tania Delgado, Seana Coulson
			Event Participants and Verbal Semantics: Non-Discrete Structure in English, Spanish and Mandarin	Lilia Rissman, Kyle Rawlins, Barbara Landau
			Do Cross-linguistic Patterns of Morpheme Order Reflect a Cognitive Bias?	Carmen Saldana, Yohei Oseki, Jennifer Culbertson
			Jessie and Gary Or Gary and Jessie? Cognitive Accessibility Predicts the Order in English and Japanese	Karina Tachihara, Miah N. Pitcher, Adele Goldberg
Saturday	14:30 - 16:10	524A	Paper Session 52 – <i>Gestures</i>	
			Eye See What You're Saying: Beat Gesture Facilitates Online Resolution of Contrastive Referring Expressions in Spoken Discourse	Laura M. Morett, Scott H. Fraundorf, James McPartland
			Assessing Spatial Relations in References in Bilingual Speakers of English and Ryukyuan Languages: An Assessment Via a Novel Gesture Elicitation Paradigm	Rafael E. Nunez, Kenan Celik, Natsuko Nakagawa
			Do People Use Gestures Differently to Disambiguate the Meanings of Japanese Compounds?	Kei Kashiwade, Tetsuya Yasuda, Harumi Kobayashi
			Unflinching Predictions: Anticipatory Crossmodal Interactions Are Unaffected by the Current Hand Posture	Johannes Lohmann, Martin V. Butz

Saturday	14:30 - 16:10	518BC	Paper Session 53 – <i>Cognitive Development</i>	
			Tensions Between Science and Intuition in School-Age Children	Andrew G. Young, Isabel Geddes, Claire Weider, Andrew Shulman
			Developmental Changes in the Ability to Draw Distinctive Features of Object Categories	Bria Long, Judith, E., Fan, Xizian Chai, Michael, C. Frank
			Sources of Knowledge in Children's Acquisition of the Successor Function	Rose M. Schneider, Kaiqi Guo, David Barner
			A Comprehensive Examination of Preschoolers' Probabilistic Reasoning Abilities	Samantha Gualtieri, Stephanie Denison
Saturday	14:30 - 16:10	519A	Paper Session 54 – <i>Skill Acquisition</i>	
			Human Few-shot Learning of Compositional Instructions	Brenden Lake, Tal Linzen, Marco Baroni
			An ACT-R Approach to Investigating Mechanisms of Performance-related Changes in an Interrupted Learning Task	Maria Wirzberger, Jelmer Borst, Josef F. Krems, Günter Daniel Rey
			Measuring Programming Competence By Assessing Chunk Structures in a Code Transcription Task	Noorah Albehajian, Peter Cheng
			Elvis Has Left the Building: Correlational But Not Causal Relationship Between Music Skill and Cognitive Ability	Giovanni Sala, Fernand Gobet
Saturday	14:30 - 16:10	524B	Paper Session 55 – <i>Pragmatics</i>	
			The Interactions of Rational, Pragmatic Agents Lead to Efficient Language Structure and Use	Benjamin Peloquin, Noah Goodman, Michael C. Frank
			(In-)definites, (Anti-)uniqueness, and Uniqueness Expectations	Nadine Bade, Florian Schwarz
			Prosodic Cues Signal the Intent of Potential Indirect Requests	Sean Trott, Stefanie Reed, Victor Ferreira, Benjamin Bergen
			The Importance of Morally Satisfying Endings: Cognitive Influences On Storytelling in Gillian Flynn's <i>Gone Girl</i>	Sarah Binau, Robin Melnick, Jack I. Abecassiss
Saturday	14:30 - 16:10	524C	Paper Session 56 – <i>Social Cognition</i>	
			Go With Plan A: Backup Plans Help the Powerful But Distract the Powerless	Leila Marcia Straub, Petra C. Schmid
			Moral Reputation and the Psychology of Giving: Praise Judgments Track Personal Sacrifice Rather Than Social Good	Samuel Johnson
			Structural Thinking About Social Categories: Evidence From Formal Explanations, Generics, and Generalization	Nadya Vasilyeva, Tania Lombrozo
			A Conceptual Model of Self-Adaptive Systems Based on Attribution Theory	Nianyu Li, Zhengyin Chen, Zi-Long Li, Wenpin Jiao
Saturday	14:30 - 16:10	522ABC	Paper Session 57 – <i>Language Development</i>	
			Online Phonetic Training Improves L2 Word Recognition	Gerda Ana Melnik, Sharon Peperkamp
			What Syntactic Structures Block Dependencies in RNN Language Models?	Ethan, Gottlieb, Wilcox, Roger Levy, Richard Futrell
			Phoneme Learning Is Influenced by the Taxonomic Similarity of the Semantic Referents	Abdellah Foutassi, Emmanuel Dupoux
			Generic Noun Phrases in Child Speech	Samarth Mehrotra, Amy Perfors
Saturday	14:30 - 16:10	525AB	Paper Session 58 – <i>Active Learning</i>	
			Navigating the "Chain of Command": Enhanced Integrative Encoding Through Active Control of Study	Doug Markant
			Benefits of Active Control of Study in Autistic Children	Nicholas Perri, Valentina Fantasia, Doug Markant, Costanza De Simone Gianni Valeri
			Targeted Mathematical Equivalence Training Lessens the Effects of Early Misconceptions On Equation Encoding and Solving	Kristen Johannes, Jodi Davenport
			Active Learning for a Number-Line Task with Two Design Variables	Sang Ho Lee, Dan Kim, John Opfer, Mark Pitt, Jay Myung
Saturday	14:30 - 16:10	519B	Paper Session 59 – <i>Spatial Cognition</i>	
			Perceived Area Plays a Dominant Role in Visual Quantity Estimation	Sami, R, Yousif, Emma Alexandrov, Elizabeth Bennette, Frank Keil
			Spatial Memory of Immediate Environments	Holger Schultheis
			Relative Evaluation of Location: How Spatial Frames of Reference Affect What We Value	Andrea Bender, Sarah Teige-Mocigemba, Annelie Rothe-Wulf, Miriam Seel, Sieghard Beller
			"Natural Concepts" Revisited in the Spatial-topological Domain: Universal Tendencies in Focal Spatial Relations	Alexandra Carstensen, George Kachergis, Noah Hermalin, Terry Regier
Saturday	14:30 - 16:10	520AD	<i>Understanding Interactions amongst Cognitive Control, Learning and Representation</i>	
Saturday	14:30 - 16:10	520BE	<i>What Makes a Good Explanation? Cognitive Dimensions of Explaining Intelligent Machines</i>	
Saturday	14:30 - 16:10	520CF	<i>Cognitive Network Science: Quantitatively Investigating the Complexity of Cognition</i>	
Saturday	16:10 - 16:30	Level 5 Foyer	Afternoon Break	
Saturday	16:30 - 18:00	517D	Invited Symposium: <i>Creativity in the Arts</i>	
Saturday	18:00 - 18:05	517D	Conference Closes	

Day	Times	Posters	Authors
Thursday, July 25th, 13:00 - 14:30			
Thursday	13:00 - 14:30	Mathematics Skills and Executive Functions Following Preterm Birth: A Longitudinal Study of 5- to 7-Year Old Children	Julia Anna Adrian, Frank Haist, Natacha Akshoomoff
Thursday	13:00 - 14:30	Decision-Making in A Social Multi-Armed Bandit Task: Behavior, Electrophysiology and Pupillometry	Julia Anna Adrian, Siddharth Siddharth, Zain A. Baquar, Tzzy-Ping Jung, Gedeon Deak
Thursday	13:00 - 14:30	Using Machine Learning to Guide Cognitive Modeling: A Case Study in Moral Reasoning	Mayank Agrawal, Joshua Peterson, Tom Griffiths
Thursday	13:00 - 14:30	Quantifying the Conceptual Combination Effect on Word Meanings	Nora E. Aguirre Celis, Risto Miikkulainen
Thursday	13:00 - 14:30	The Effect of Chronic Regulatory Focus on Sampling Behavior and Risky Decisions	Lujain Al Alamy, James E. Corter
Thursday	13:00 - 14:30	Numerosity Capture of Attention	Santiago Alonso Diaz, Jessica Cantlon
Thursday	13:00 - 14:30	Intrinsic Whole Number G9 Indigenous Population	Santiago Alonso Diaz, Jessica Cantlon, Steven Piantadosi
Thursday	13:00 - 14:30	Surprise-Based Learning with Non-Solid Substances	Erin M. Anderson, Natasha Zeigler, Susan Hespos, Lance Rips
Thursday	13:00 - 14:30	Explicit Cues Lead to Reward-related Enhancements in Motor Skill Performance	Sean Anderson, Taraz G. Lee
Thursday	13:00 - 14:30	Composing Indeterminate Event Information in Context: Evidence from an Eye-Tracking Memory Paradigm	Caitlyn Antal, Roberto, G. de Almeida
Thursday	13:00 - 14:30	Co-thought Gestures during Abstract Relational Reasoning	Misha S. Ash, Kensy Cooperrider, Dedre Gentner, Susan Goldin-Meadow
Thursday	13:00 - 14:30	Distant Concept Connectivity in Network-Based and Spatial Word Representations	Abhilasha Ashok Kumar, David Balota, Mark Steyvers
Thursday	13:00 - 14:30	Garnering Support for Number and Area as Integral Dimensions	Lauren Aulet, Stella Lourenco
Thursday	13:00 - 14:30	Efficient Data Compression Leads to Categorical Bias in Perception and Perceptual Memory	Christopher Bates, Robert Jacobs
Thursday	13:00 - 14:30	A Multi-study Neuroeducational Perspective on Vocabulary Learning	Peta Baxter, Randi Goertz, Lukas Ansteeg, Josh Ring, Marianne van den Hurk, Mienke Droop, Ton Dijkstra, Frank Leone
Thursday	13:00 - 14:30	Inferior Frontal Gyrus Involvement during Search and Solution in Verbal Creative Problem Solving: A Parametric fMRI Study	Maxi Becker, Tobias Sommer, Simone Kühn
Thursday	13:00 - 14:30	Movements and Visuospatial Working Memory: Examining the Role of Movement and Attention to Movement	Divya Bhatia, Pietro Spataro, Clelia Rossi-Arnaud
Thursday	13:00 - 14:30	Where Do Heuristics Come From?	Marcel Binz, Dominik M. Endres
Thursday	13:00 - 14:30	Emulating Human Developmental Stages with Bayesian Neural Networks	Marcel Binz, Dominik M. Endres
Thursday	13:00 - 14:30	Translation Tolerance in Vision	Ryan Blything, Ivan Vankov, Casimir Ludwig, Jeff Bowers
Thursday	13:00 - 14:30	Stability of Core Language Skill from Infancy to Adolescence in Typical and Atypical Development	Marc H. Bornstein
Thursday	13:00 - 14:30	Mapping Visual Features onto Numbers	Erik Brockbank, Ed Vul
Thursday	13:00 - 14:30	The Effects of Video Interviews on Perceptions of Applicant Quality	Devin M. Burns, Denise A. Baker, Clair Kueny, Matthew Jordan
Thursday	13:00 - 14:30	The Role of Task Characteristics and Individual Differences in Pointing to Unseen Locations	Heather Burte
Thursday	13:00 - 14:30	Modeling Delay Discounting Using Gaussian Process with Active Learning	Jorge Chang, Jiseob Kim, Byoung-Tak Zhang, Mark Pitt, Jay Myung
Thursday	13:00 - 14:30	Eye-tracking as A Measure of Table Tennis Expert-Novice Differences in Theory of Mind	Ting-Hsuan Chang, Fu-Zen Shaw, Sheng-Fu Liang, Hung-Ta , Chiu, Jon-Fan Hu, Wei-En Chang
Thursday	13:00 - 14:30	The Effect of Word-by-word Presentation on Reading of Chinese Texts By Native Chinese Readers and Learners of Chinese As A Second Language	Jenn-Yeu Chen, Yalin Chuang
Thursday	13:00 - 14:30	Influence of Linguistic Tense Marking on Temporal Discounting: From the Perspective of Asymmetric Tense Marking in Japanese	Qixiang Chen, Hidehito Honda, Kazuhiro Ueda
Thursday	13:00 - 14:30	Elucidating the Cognitive Anatomy of Representation Systems	Peter Cheng, Grecia Garcia Garcia, Holly, Elizabeth Anne, Sutherland, Daniel Raggi, Aaron Stockdill, Mateja Jamnik

Thursday	13:00 - 14:30	Providing Stroke Sequence of Chinese Characters Facilitates Handwriting Learning in Children with Developmental Coordination Disorder	Rong-Ju Cherng, Yi-Wen Liao, Jenn-Yeu Chen
Thursday	13:00 - 14:30	The Explanatory Value of Mathematical Information in Everyday Explanations	Seth Chin-Parker, Sam Cowling, May Mei
Thursday	13:00 - 14:30	Why Some Events Are More (or Less) Random: The Role of Alternation Rate and Number of Occurrence	Karen H. H. Chu, Sophia W. Deng
Thursday	13:00 - 14:30	Comparing the Social Judgements Between American and Taiwanese Cultures	Yun Chuang, Jon-Fan Hu
Thursday	13:00 - 14:30	Female Advantage in Visual Working Memory Capacity for familiar Shapes But Not for Abstract Symbols	Adam Chuderski, Jan Jastrzebski
Thursday	13:00 - 14:30	Using Transcranial Direct Current Stimulation (tDCS) to Modulate the Face Inversion Effect on the N170 ERP Component.	Ciro Civile, Brad Wooster, Adam Curtis, R.P. McLaren, Aureliu Lavric
Thursday	13:00 - 14:30	Reinforcement Learning and Insight in the Artificial Pigeon	Thomas R. Colin, Tony Belpaeme
Thursday	13:00 - 14:30	Metacognitive Modeling: Using Cognitive Modeling to Clarify Philosophical Metacognitive Concepts	Brendan Conway-Smith, Robert West
Thursday	13:00 - 14:30	Subtle Differences in Language Experience Moderate Performance on Language-based Cognitive Tests	Maury Courtland, Aida Mostafazadeh Davani, Melissa Reyes Leigh, Yeh Jun, Yen Leung, Brendan Kennedy, Morteza Dehghani
Thursday	13:00 - 14:30	Rule-following, Lexical Competence and Categorization Processes	Marco Cruciani, Francesco Gagliardi
Thursday	13:00 - 14:30	From Wugged to Wug: Reverse Generalisation of Stems From Novel Past Tense Verbs	Christine Cuskley, Stella Frank, Kenny Smith
Thursday	13:00 - 14:30	Eye Blink Rate Predicts and Dissociates Effective Execution of Early and Late Stage Creative Idea Generation	Alwin de Rooij, Ruben D. Vromans, Matthijs Dekker
Thursday	13:00 - 14:30	Tracking the Wandering Mind: Memory, Mouse Movements and Decision Making Styles	Mariana Rachel Dias da Silva, Marie Postma
Thursday	13:00 - 14:30	Reinforcing Rational Decision Making in A Risk Elicitation Task Through Visual Reasoning	Stella Doukianou, Damon Daylamani-Zad, Petros Lameris, Ian Dunwell
Thursday	13:00 - 14:30	Modeling Causal Learning with the Linear Ballistic Accumulator	Yuhui Du, Nitisha Desai, Renlai Zhou
Thursday	13:00 - 14:30	Decomposing Human Causal Learning: Bottom-up Associative Learning and Top-down Schema Reasoning	Mark Edmonds, Siyuan Qi, Yixin Zhu, James Kubricht, Song-Chun Zhu, Hongjing Lu
Thursday	13:00 - 14:30	Exergame Training of Executive Function in Preschool Children: Generalizability and Long-term Effects	Cassondra, M, Eng, Melissa Pocsai, Dominic Calkosz, Nathan Williams, Erik Thiessen, Anna Fisher
Thursday	13:00 - 14:30	Learned Social Values Modulate Representations of Faces in the Fusiform Face Area	Ariana M. Familiar, Alice Xia, Sharon L. Thompson-Schill
Thursday	13:00 - 14:30	Learning a Smooth Kernel Regularizer for Convolutional Neural Networks	Reuben A. Feinman, Brenden Lake
Thursday	13:00 - 14:30	Mapping Space: A Comparative Study	Michele Feist, Yuan Zhang
Thursday	13:00 - 14:30	No Morphological Markers, No Problem: ERP Study Reveals Semantic Factors Differentiating Neural Mechanisms of Noun and Verb Processing	Jun Feng, Tao Gong, Lan Shuai, Yicheng Wu
Thursday	13:00 - 14:30	The Impact of Frequency on the Evolution of Category Systems	Vanessa Ferdinand, Charles Kemp, Amy Perfors
Thursday	13:00 - 14:30	How Victim Framing Shapes Attitudes Towards Sexual Assault	Stephen Flusberg, Sarah Husney, Casey Pollard, Kevin J. Holmes
Thursday	13:00 - 14:30	Agent framing Moderates Concerns About Moral Contagion	Stephen Flusberg, Carly LaPlace
Thursday	13:00 - 14:30	Do Neural Language Representations Learn Physical Commonsense?	Maxwell Forbes, Ari Holtzman, Yejin Choi
Thursday	13:00 - 14:30	Learning Cross-linguistic Word Classes Through Developmental Distributional Analysis	Daniel Freudenthal, Julian M. Pine, Fernand Gobet
Thursday	13:00 - 14:30	Testing the Limits of Non-adjacent Dependency Learning: Statistical Segmentation and Generalization Across Domains	Rebecca Frost, Erin Isbilen, Morten Christiansen, Padraic Monaghan
Thursday	13:00 - 14:30	Reframing Convergent and Divergent Thought for the 21st Century	Liane Gabora
Thursday	13:00 - 14:30	From Deep Learning to Deep Reflection: Toward An Appreciation of the Integrated Nature of Cognition and A Viable Theoretical Framework for Cultural Evolution	Liane Gabora
Thursday	13:00 - 14:30	A New Class of Proximity Data Obtained From Dictionary Networks	Camilo Garrido, Claudio Gutierrez, Guillermo Soto
Thursday	13:00 - 14:30	Understanding Language about Other People's Actions	Tom Gijssels, Marianna Y. Zhang, Che Lucero, Marc G. Berman, Daniel Casasanto

Thursday	13:00 - 14:30	Event Cognition from the Perspective of Cognitive Development	Vladimir Glebkin, Ekaterina Olenina, Nikita Safronov
Thursday	13:00 - 14:30	Detecting Students Problem Solving Strategies Using Sankey Diagrams	Tao Gong, Christopher Agard, Gary Feng, Gabrielle Cayton-Hodges, Luis Saldivia
Thursday	13:00 - 14:30	A Convolutional Self-organizing Map for Visual Category Learning	Chris Gorman, Lech Szymanski, Anthony Robins, Alistair Knott
Thursday	13:00 - 14:30	The Role of Prior Beliefs in the Rational Speech Act Model of Pragmatics: Exhaustivity as A Case Study	Ethan Gottlieb, Wilcox Benjamin Spector
Thursday	13:00 - 14:30	Boundaries of Creativity: Thick or Thin Organization?	Jean-Christophe Goulet-Pelletier, Denis Cousineau
Thursday	13:00 - 14:30	A Proverb Is Worth A Thousand Words: Learning to Associate Images with Proverbs	Özbal Gözde, Daniele Pighin, Carlo Strapparava
Thursday	13:00 - 14:30	Learning Deep Taxonomic Priors for Concept Learning from Few Positive Examples	Erin Grant, Joshua Peterson, Tom Griffiths
Thursday	13:00 - 14:30	Do You Need More than Two Subjects: Using Cognitive Modeling to Make Accurate Predictions for Individual Subjects	Emily Greve, Elisabeth Reid, Robert West
Thursday	13:00 - 14:30	A Surprising Density of Illusionable Natural Speech	Melody Y. Guan, Gregory Valiant
Thursday	13:00 - 14:30	Exploring Cognitive States Through Real-time Classification and Sonification of Brain Data	Yann Harel, Antoine Bellemare, Arthur Dehgan, Anne-Lise Saive, Karim Jerbi
Thursday	13:00 - 14:30	When Circumstances Change, Update Your Pronouns	Joshua K. Hartshorne, Mariela V. Jennings, Tobias Gerstenberg, Josh Tenenbaum
Thursday	13:00 - 14:30	An Ontology of Decision Models	Lisheng He, Wenjia Joyce, Zhao Sudeep Bhatia
Thursday	13:00 - 14:30	The Role of AMPA Receptor Exchange in Systems Memory Reconsolidation: A Computational Model	Peter Helfer, Thomas Shultz
Thursday	13:00 - 14:30	Statistical Learning Ability as A Measure of Cognitive Function	Steffen, A., Herff, Nur Amirah, Abdul Rashid, Jimmy Lee, Tih Shih Lee, Kat Agres
Thursday	13:00 - 14:30	How Can Diverse Memory Improve Group Decision Making?	Hidehito Honda, Itsuki Fujisaki, Toshihiko Matsuka, Kazuhiro Ueda
Thursday	13:00 - 14:30	The Effect of Semantic Diversity on Serial Recall for Words	Yaling Hsiao, Matthew H. C. Mak, Kate Nation
Thursday	13:00 - 14:30	A Two-Process Model of Semantic Development	Philip Huebner, Jon Willits
Thursday	13:00 - 14:30	The Impact of Meta-memory Judgments on Undergraduates' Learning and Memory Performance	Salwa Ali Humsani, Ciro Civile
Thursday	13:00 - 14:30	How Does Art Appreciation Promote Artistic Inspiration?	Chiaki Ishiguro, Takeshi Okada
Thursday	13:00 - 14:30	Wait for It! Stronger Influence of Context on Categorical Perception in Danish than Norwegian	Byurakn Ishkhanyan, Anders Højen, Riccardo Fusaroli, Christen Johansson, Kristian Tylén, Morten, H. Christiansen
Thursday	13:00 - 14:30	Interacting Physically with Insight Problems Does Not Affect Problem Solving Process	Jan Jastrzebski, Hanna Kucwaj, Adam Chuderski
Thursday	13:00 - 14:30	Emergence: A Proposal for A Foundational Revolution in Cognitive Science	Jay B. Jennings
Thursday	13:00 - 14:30	Boundedness in Event and Object Cognition	Yue Ji, Anna Papafragou
Thursday	13:00 - 14:30	Single Template Vs. Multiple Templates: Examining the Effects of Problem Format on Performance	Yang Jiang, Ma Victoria, Almeda Shimin, Kai Ryan Baker, Korinn Ostrow, Paul Salvador Inventado, Peter Scupelli
Thursday	13:00 - 14:30	Elicitation and Assessment of Emotion in Computational Rationality	Jussi Jokinen, Viet Ba Hirvola
Thursday	13:00 - 14:30	When Do Iconic Gestures Facilitate Word Learning? The Case of L2 Lessons For Preschoolers Led By A Robot or Human Tutor	Junko Kanero, Cansu Oranç, Sümeyye Koşulu, Tilbe Göksun, Aylin C. Küntay
Thursday	13:00 - 14:30	Offloading Memory: Serial Position Effects	Megan O. Kelly, Evan Risko
Thursday	13:00 - 14:30	How the Organization of Autobiographical Memories Changes Over Time	Yoed Kenett, Alexa Tompary, Sharon L. Thompson-Schill
Thursday	13:00 - 14:30	Thinking Through the Implications of Neural Reuse for the Additive Factors Method	Luke Kersten
Thursday	13:00 - 14:30	Making Young Children's Design Cognition Visible	Mi Song Kim
Thursday	13:00 - 14:30	Polysemy and Verb Mutability: Differing Processes of Semantic Adjustment for Verbs and Nouns	Daniel C. King, Dedre Gentner

Thursday	13:00 - 14:30	Getting Insight by Talking to Others – or Losing Insight by Talking Too Much?	Sachiko Kiyokawa, Zoltan Dienes
Thursday	13:00 - 14:30	Choosing the Unimaginable: Social Psychological factors in Seeking Transformative Experiences	Marta Kryven, Laura Niemi, Laurie Paul, Josh Tenenbaum
Thursday	13:00 - 14:30	Temporal Structure in Reaction Time Data Is Sensitive to Exercised Control	Devpriya Kumar, Narayanan Srinivasan, Akanksha Malik
Thursday	13:00 - 14:30	An Investigation on the Relationships Among Social Cognition Processes by Eye-Tracking Techniques	Pei-Ling Kuo, Ting Yun Chen, Ting-Hsuan Chang, Shiau-Wen Chen, Mingzhe Liu, Jon-Fan Hu
Thursday	13:00 - 14:30	Rudimentary Modeling of Acceptability Judgement from A Large Scale, Unbiased Data	Kow Kuroda, Hikaru Yokono, Keiga Abe, Tomoyuki Tsuchida, Yoshihiko Asao, Yuichiro, Kobayashi, Toshiyuki Kanamaru
Thursday	13:00 - 14:30	How the Brain Learns Language: an Exploration of the Brain Areas Involved in Statistical Language Learning	Imme Lammertink, Gillian Clark, Judith Rispens, Jarrad Lum
Thursday	13:00 - 14:30	Sensitivity to Temporal Community Structure in the Language Domain	Kendra V. Lange, Carol A. Miller, Daniel J. Weiss, Elisabeth Karuza
Thursday	13:00 - 14:30	Does the Intuitive Scientist Conduct Informative Experiments?: Children's Early Ability to Select and Learn from Their Own Interventions	Elizabeth Lapidow, Caren M. Walker
Thursday	13:00 - 14:30	Novel Labels Modify Visual Attention in 2-year-old Children	Alexander S. LaTourrette, Miriam A. Novack, Sandra Waxman
Thursday	13:00 - 14:30	Low Entropy Facilitates Word Segmentation in Adult Learners	Ori Lavi-Rotbain, Inbal Arnon
Thursday	13:00 - 14:30	When Sleep-Dependent Gist Extraction Goes Awry: False Composite Memories Are Facilitated by Slow Wave Sleep	Itamar Lerner, Tony Pierre Kerbaj, Mark Gluck
Thursday	13:00 - 14:30	Active Physical Inference Via Reinforcement Learning	Shuaiji Li, Yu Sun, Sijia Liu, Tianyu Wang, Todd M. Gureckis, Neil R. Bramley
Thursday	13:00 - 14:30	Predicting Human Decisions in A Sequential Planning Puzzle with A Large State Space	Yichen Li, Zahy Bnaya, Wei Ji Ma
Thursday	13:00 - 14:30	Expertise and Anchoring Bias in Medical Decision Making	Aron Liaw, Matthew Brian Welsh, Hillary Copp, Benjamin Breyer
Thursday	13:00 - 14:30	Selecting and Evaluating Evidence: The Garden of Forking Information Paths	Alice Liefgreen, Toby D. Pilditch, David Lagnado
Thursday	13:00 - 14:30	Curiosity, Frontal EEG Asymmetry, and Learning	Gabriel Lima, Fabiana Rocha
Thursday	13:00 - 14:30	Rapid Information Gain Explains Cross-linguistic Tendencies in Numeral Ordering	Emmy Liu, Yang Xu
Thursday	13:00 - 14:30	Effects of Affective Ratings and Individual Differences in English Morphological Processing	Kaidi Lõo, Abigail Toth, Figen Karaca, Juhani Järvikivi
Thursday	13:00 - 14:30	How Does Temperature Affect Behaviour? A Meta-analysis of Effects in Experimental Studies	Dermot Lynott, Katherine Corker, Louise Connell, Kerry O'Brien
Thursday	13:00 - 14:30	Measuring Creativity in the Classroom: Linking Group Patterns with Individual Outcomes	Leanne Ma
Thursday	13:00 - 14:30	Integration of Gaze Information during Online Language Comprehension and Learning	Kyle MacDonald, Elizabeth, M, Swanson, Michael C. Frank
Thursday	13:00 - 14:30	Reasoning About Dissent: Expert Disagreement and Shared Backgrounds	Jens Koed Madsen, Ulrike Hahn, Toby D. Pilditch
Thursday	13:00 - 14:30	Effect of Suggestions from a Physically Present Robot on Creative Generation	Akihiro Maehigashi, Yugo Hayashi
Thursday	13:00 - 14:30	Cultural Difference of the Effect of Analytical / Intuitive Thinking Style on Reasoning, JDM, and Belief Tasks	Yoshimasa Majima
Thursday	13:00 - 14:30	How Many Dimensions of Mind Perception Really Are There?	Bertram F. Malle
Thursday	13:00 - 14:30	Insulating Distributional Semantic Models from Catastrophic Interference	Willa Mannering
Thursday	13:00 - 14:30	Making the Implicit Explicit: Effects of Verbalization in Decisions from Experience	Yaoli Mao, James E. Corter
Thursday	13:00 - 14:30	Same Words, Same Context, Different Meanings: People Are Unaware Their Own Concepts Are Not Always Shared	Louis Marti, Steven Piantadosi, Celeste Kidd
Thursday	13:00 - 14:30	Do Learners' Word Order Preferences Reflect Hierarchical Language Structure?	Alexander Martin, Klaus Abels, David Adger, Jennifer Culbertson
Thursday	13:00 - 14:30	Forming Action-Effect Contingencies Through Observation of a Dot-Control Task	Jasmine Mason, J. Scott Jordan
Thursday	13:00 - 14:30	Analysis on Learning a Latent Structure in a Probabilistic Reversal Learning Task	Akira Masumi, Takashi Sato

Thursday	13:00 - 14:30	The Role of Environment and Body in Divergent Thinking Tasks	Heath Matheson, Yoed Kenett, Alexander David Inkster, LePage
Thursday	13:00 - 14:30	Spatial Alignment Enhances Comparison of Complex Educational Visuals	Bryan Matlen, Benjamin Jee, Nina Simms, Dedre Gentner
Thursday	13:00 - 14:30	Relationship Between Creative Experience, Recognition of Creative Process and Aesthetic Impression in Art-Viewing	Kazuki Matsumoto, Takeshi Okada
Thursday	13:00 - 14:30	The Effects of Changing the Mental Model of One's Body and Sense of Body Ownership on Pain Perception	Miki Matsumuro, Yuki Miura, Fumihisa Shibata, Asako Kimura
Thursday	13:00 - 14:30	Exploring the Early Childhood Executive Function and Language Relationship: A Preliminary Analysis	Kaitlyn May, Ursula Johnson, Janelle Montroy
Thursday	13:00 - 14:30	Development of Verb Morphology: From Item-Specificity to Proficient Use	Jekaterina Mazara, Sabine Stoll
Thursday	13:00 - 14:30	Pre-exposure and Learning in Young Children: Evidence of Latent Inhibition?	R.P. McLaren, Ciro Civile
Thursday	13:00 - 14:30	An Experiment in the Neuroscience of Learning Interactions: The Effect of Agency on Emotional Processing in Dyads Learning Physics with A Serious Computer Game	Julien, Mercier, Ariane Paradis, Kathleen Whissell-Turner, Ivan L. Avaca
Thursday	13:00 - 14:30	The Cognitive Process of Reinterpreting Non-art Objects in an Art Context	Koto Minami, Daichi Shimizu, Takeshi Okada
Thursday	13:00 - 14:30	Explanatory Virtues and Belief in Conspiracy Theories	Patricia L. Mirabile, Zachary Horne
Thursday	13:00 - 14:30	L1 Influence on Content Word Errors in Learner English Corpora: Insights from Distributed Representation of Words	Kanishka Misra, Hemanth Devarapalli, Julia Rayz
Thursday	13:00 - 14:30	Looks Delicious? Cerebral Blood flow in Young Adults with Eating Disorder Tendencies on Exposure to Food Pictures	Kozue Miyashiro, Reiko Ohmori, Satoko Shiraishi, Yumiko Ishikawa
Thursday	13:00 - 14:30	Evaluation of Methods for Tracking Strategies in Complex Tasks	Jarrod Moss, Aaron Wong, Kevin Barnes, Jaymes Durriseau, Gary Bradshaw
Thursday	13:00 - 14:30	Communicating Semantic Part Information in Drawings	Kushin Mukherjee, Robert Hawkins, Judith E. Fan
Thursday	13:00 - 14:30	The Modularity of the Motor System	Myrto Mylopoulos
Thursday	13:00 - 14:30	Cultural Affordances in AI Perception	Zachariah A. Neemeh
Thursday	13:00 - 14:30	The Impact of Sequences on the Learning of Contingencies At UK Traffic Lights	William G. Nicholson, Ciro Civile
Thursday	13:00 - 14:30	Investigating the Role of Future-orientated Feedback in Self-Monitoring Devices	Milena Nikolic, Magda Osman
Thursday	13:00 - 14:30	On Language and Thought: How Bilingualism Affects Conceptual Associations	Siqi Ning, James Bartolotti, Viorica Marian
Thursday	13:00 - 14:30	Bayesian Item Response Model with Condition-specific Parameters for Evaluating the Differential Effects of Perspective-taking on Emotional Sharing	Keishi Nomura, Aiko Murata, Yuko Yotsumoto, Shiro Kumano
Thursday	13:00 - 14:30	Causal Intervention Strategies Change Across Adolescence	Kate Nussenbaum, Alexandra O. Cohen, Zach Davis, David J. Halpern, Todd, M. Gureckis, Catherine Hartley
Thursday	13:00 - 14:30	Distinguishing Effects of Executive Functions on Literacy Skills in Adolescents	Teresa Ober, Patricia J. Brooks, Bruce Homer, Jan Plass
Thursday	13:00 - 14:30	The Influence of Emotional Cues on Toddler Word Learning	Marissa Ogren, Catherine Sandhofer
Thursday	13:00 - 14:30	Verb Arguments in Japanese Picture Books	Naho Orita, Asumi Suzuki, Yuichiro Matsubayashi
Thursday	13:00 - 14:30	Congruency Effects and Individual Differences in Bilingual Experience Influence Simon Task Performance	Pauline Palma, Jason Gullifer, Naomi Vingron, Veronica Whitford, Deanna Friesen, Debra Jared, Debra Titone
Thursday	13:00 - 14:30	Linguist Alignment in Collaborative and Conversational Contexts	Ramon Pieternella, Travis J. Wiltshire
Thursday	13:00 - 14:30	Domestic Dogs' Sensitivity to the Accuracy of Human Informants	Madeline Helmer Pelgrim, Emma C. Tecwyn, Julia Espinosa, Angie Johnston, Sarah MacKay Marton, Daphna Buchsbaum
Thursday	13:00 - 14:30	The Inverse Operation Modulates Confidence	Gabriel I. Penagos, Santiago Alonso Diaz
Thursday	13:00 - 14:30	Perception of Continuous Movements from Causal Actions	Yujia Peng, Nicholas Ichien, Hongjing Lu
Thursday	13:00 - 14:30	Phonological and Semantic Processing in Short-term Memory	Theresa, Pham, Lisa Archibald
Thursday	13:00 - 14:30	Shared Evidence: It All Depends...	Toby D. Pilditch, Ulrike Hahn, David Lagnado

Thursday	13:00 - 14:30	Asymmetrical Belief Sensitivity and Justification Explain the Wells Effect	Angel Pinillos, Sara Jaramillo, Zachary Horne
Thursday	13:00 - 14:30	Parent Comparison and Contrast Speech Is Affected By Variation of Present Visual Display and Child Language Comprehension	Gwendolyn F. Price, Catherine Sandhofer
Thursday	13:00 - 14:30	Outcomes Speak Louder than Actions? Testing A Challenge to the Two-Process Model of Moral Judgment	Karolina Prochownik, Fiery Cushman
Thursday	13:00 - 14:30	The Expected Unexpected & Unexpected Unexpected	Molly S. Quinn, Katherine Campbell, Mark T. Keane
Thursday	13:00 - 14:30	(Mis)interpretations of Implausible Passive Sentences Pattern with N400 amplitudes	Milena Rabovsky, Kazunaga Matsuki, Ken McRae
Thursday	13:00 - 14:30	SpotLight on Dynamics of Individual Learning	Roussel Rahman, Wayne D. Gray
Thursday	13:00 - 14:30	Neuromodulation of Electrophysiological Correlates of Reinforcement Learning in Humans	Patrick Rice, Mathi Manavalan, Andrea Stocco
Thursday	13:00 - 14:30	Do Verbal Labels Enhance Detection of Visual Targets?	Catherine E. Richards, James E. Hoffman, Timothy Vickery, Anna Papafragou
Thursday	13:00 - 14:30	Distributional Semantic Representations Predict High-level Human Judgment in Seven Diverse Behavioral Domains	Russell Richie, Wanling Zou, Sudeep Bhatia
Thursday	13:00 - 14:30	Categorical Rhythms Shared between Songbirds and Humans	Tina, C. Roeske, Ofer Tchernichovski, David Poeppel, Nori Jacoby
Thursday	13:00 - 14:30	Preparing Not to Forget: Actions Take to Plan for Memory Error	Lorena Rosales, Andrea J., Sell
Thursday	13:00 - 14:30	(A)symmetry x (Non)monotonicity: Towards A Deeper Understanding of Key Cognitive Di/Trichotomies and the Common Model of Cognition	Paul S. Rosenbloom
Thursday	13:00 - 14:30	Modelling Eye Tracking Dynamics with Quantum Theory	Agnes Rosner, Irina Basieva, Albert Barque-Duran, Andreas Gloeckner, Bettina von Helversen, Andrei Khrennikov, Emmanuel Pothos
Thursday	13:00 - 14:30	Unknitting the Meshwork: Interactivity, Serendipity and Individual Differences in A Word Production Task	Wendy Ross, Frederic Vallee-Tourangeau
Thursday	13:00 - 14:30	Inattentional Blindness in Visual Search	Matt Rounds, Chris Lucas, Frank Keller
Thursday	13:00 - 14:30	Modeling Axonal Plasticity in Artificial Neural Networks	James W. Ryland
Thursday	13:00 - 14:30	How Productivity and Compositionality May Emerge from A Neural Dynamics of Perceptual Grounding	Daniel Sabinasz, Mathis Richter, Jonas Lins, Gregor Schöner
Thursday	13:00 - 14:30	Animal Vocalization Generative Network (AVGN): A Method for Visualizing, Understanding, and Sampling from Animal Communicative Repertoires	Tim Sainburg, Marvin Thielk, Timothy Gentner
Thursday	13:00 - 14:30	Analysis of Review Quality By Using Gaze Data during Document Review	Koki Saito, Shohei Hidaka
Thursday	13:00 - 14:30	Investigating the Role of the Visual System in Solving the Traveling Salesperson Problem	Zahra Sajedinia, Zygmunt Pizlo, Sebastien Helie
Thursday	13:00 - 14:30	A Cognitive Model for Understanding the Takeover in Highly Automated Driving Depending on the Objective Complexity of Non-Driving Related Tasks and the Traffic Environment.	Marlene Scharfe, Nele Russwinkel
Thursday	13:00 - 14:30	Capturing Intra- and Inter-Brain Dynamics with Recurrence Quantification Analysis	Rebecca Scheurich, Alexander P. Demos, Anna Zamm Brian Mathias, Caroline Palmer
Thursday	13:00 - 14:30	Big, Hot, or Bright? Integrating Cues to Perceive Home Energy Use	Eleanor Schille-Hudson, Tyler Marghetis, Deidra Miniard, David Landy, Shahzeen Attari
Thursday	13:00 - 14:30	Temporal Dynamics of Preschoolers' Novel Word Learning and Categorization	Christina Schonberg, Haley Vlach
Thursday	13:00 - 14:30	Speaker-specific Adaptation to Variable Use of Uncertainty Expressions	Sebastian Schuster, Judith Degen
Thursday	13:00 - 14:30	An Associative Theory of Semantic Representation	Kevin D. Shabahang, Hyungwook Yim, Simon J. Dennis
Thursday	13:00 - 14:30	One-Object Decision-Making Model: Fast and Frugal Heuristic for Human Activity Classification	Karan Sharma, Suchendra Bhandarkar
Thursday	13:00 - 14:30	A CTA-DCD Model to Determine Design Requirements for Technology to Support People with Mild Cognitive Impairment / Dementia At Work	Karan Shastri, Jennifer Boger, Parminde Flora, Arlene Astell, Ann-Charlotte Nedlund, Katja Karjalainen, Anna Mäki-Petäjä-Leinonen
Thursday	13:00 - 14:30	An Empirical Investigation of Joint-Separate Effect on Preference of Causal Explanation	Asaya SHIMOJO, Kazuhisa Miwa, Hitoshi Terai
Thursday	13:00 - 14:30	Recombinant Building: The Ability to Generate and Recombine Navigation Structures Is Difficult to Acquire Through Just Reinforcement Learning	Ganesh Shinde, Harshit Agrawal, Sanjay Chandrasekharan
Thursday	13:00 - 14:30	Can A forward Posture Enhance Willingness to Change One's Own Attitude in Decision Making? Nudging with Embodied Cognition Approach	Masaru Shirasuna, Hidehito Honda, Kazuhiro Ueda

Thursday	13:00 - 14:30	When Experts Err: Using Tetris Models to Detect True Errors From Deliberate Sub-Optimal Choices	Catherine Sibert, Wayne D. Gray
Thursday	13:00 - 14:30	Impact of Explicit Failure and Success-driven Preparatory Activities on Learning	Tanmay Sinha, Manu Kapur, Robert West, Michele Catasta, Matthias Hauswirth, Dragan Trinic
Thursday	13:00 - 14:30	When Productive Failure Fails	Tanmay Sinha, Manu Kapur
Thursday	13:00 - 14:30	Flexible Strategy Use in ACT-R's Tic-Tac-Toe	Julia Mateusz Skirzynski, Piotr Wasilewski
Thursday	13:00 - 14:30	Real-time Inference of Physical Properties in Dynamic Scenes	Kevin A. Smith, Mario Belledonne, Ilker Yildirim, Jiajun Wu, Josh Tenenbaum
Thursday	13:00 - 14:30	Cognitively-Inspired Saliency Computation for Intelligent Agents	Sterling Somers, Konstantinos Mitsopoulos, Christian Lebiere, Robert Thomson
Thursday	13:00 - 14:30	Using Occam's Razor and Bayesian Modelling to Compare Discrete and Continuous Representations in Numerosity Judgements	Jake Spicer, Adam Sanborn, Ulrik Beierholm
Thursday	13:00 - 14:30	Evidence for Effort Prediction in Perceptual Decisions	Nisheeth Srivastava
Thursday	13:00 - 14:30	Decision-makers Minimize Regret When Calculating Regret Is Easy	Nisheeth Srivastava
Thursday	13:00 - 14:30	To Teach Better, Learn First	Oana Stanciu, Mate Lengyel, Jozsef Fiser
Thursday	13:00 - 14:30	An Attractor Neural-Network Simulation of Decision Making	Ashley Stendel, Thomas Shultz
Thursday	13:00 - 14:30	Correction of Manipulated Responses in the Choice Blindness Paradigm: What are the Predictors?	Thomas Strandberg, Fredrik Björklund, Lars Hall, Petter Johansson, Philip Parnaments
Thursday	13:00 - 14:30	Aha! under Pressure: Is the Aha! Experience Constrained by Cognitive Load?	Hans Stuyck, Axel Cleeremans, Eva Van den Bussche
Thursday	13:00 - 14:30	The Development of Compound Word Processing in Young Children	Takayo Sugimoto
Thursday	13:00 - 14:30	Shame on You! A Computational Linguistic Analysis of Shame Expressions	Jeremiah Sullins, Jeannine Turner, James L. Huff, Ronald Clements
Thursday	13:00 - 14:30	Slang Generation as Categorization	Zhewei Sun, Richard Zemel, Yang Xu
Thursday	13:00 - 14:30	A Case Study of formation of An Art Concept By A Contemporary Artist: Analysis of the Utilization of Drawing in the Early Phase	Kikuko Takagi, Takeshi Okada, Sawako Yokochi
Thursday	13:00 - 14:30	What Factors of Background Music Disrupt Task Performance? Influence of Types of Sound, Tasks, and Working Memory Capacity on Irrelevant Sound/Speech Effect	Maiko Takahashi, Mika Ishikawa, Sachiko Kiyokawa
Thursday	13:00 - 14:30	Redundant Morphological Marking Facilitates Children's Learning of A Novel Construction	Shira Tal, Inbal Arnon
Thursday	13:00 - 14:30	Speaking but Not Gesturing Predicts Motion Event Memory within and across Languages	Marlijn ter Bekke, Asli Özyürek, Ercenur Ünal
Thursday	13:00 - 14:30	Individual Differences in Second Language Age of Acquisition and Language Entropy Predict Non-Verbal Reinforcement Learning Among Bilingual Adults	Mehrgol Tiv, Jason Gullifer, A. Ross Otto, Debra Titone
Thursday	13:00 - 14:30	Estimating Average Body Size of Sets of Bodies	Michelle P. S. To, James Brand, Georgia Hampton, Martin J. Tovee
Thursday	13:00 - 14:30	Agent-based Modeling of How National Identity Affects Party Preferences in Voting	Taiji Ueno, Ryu Hakche, Nobuko Asai, Minoru Karasawa
Thursday	13:00 - 14:30	Group Discussion Clarifies the Difference Between Maximin and Equality Principles in Social Distribution for Others	Atsushi Ueshima, Tatsuya Kameda
Thursday	13:00 - 14:30	RunTheLine: An Infinite Runner Serious Game to Train Comprehension of Societally Relevant Large Numbers	Thijs van Den Hout, Hanna Schraffenberger, Florian Krauze, Tibor Bosse, Frank Leone
Thursday	13:00 - 14:30	Exploring the Role of Visuospatial Processes in Surgical Skill Acquisition: A Longitudinal Study	Tina Vajsbaher, Holger Schultheis, Verena Nicole Uslar, Dirk Weyhe, Hüseyin Bektas, Nader Francis
Thursday	13:00 - 14:30	Automatic Model Generation with Symbolic Deep Learning	Vladislav Daniel Veksler, Norbou Buchler
Thursday	13:00 - 14:30	Understanding the Design Neurocognition of Industrial Designers When Designing and Problem-solving.	Sonia Liliana da Silva Vieira, John Gero, Jessica Delmoral, Valentin Gattol, Carlos Fernandes, Marco Parente, Antonio Fernandes
Thursday	13:00 - 14:30	Social Learning and Decisional Constraints in Uncertain Environments	Marius C. Vollberg, Matthias Hofer, Mina Cikara
Thursday	13:00 - 14:30	Thinking Locally or Globally? Trying to Overcome the Tragedy of Personnel Evaluation with Stories or Selective Information Presentation	Momme von Sydow, Niels Braus, Ulrike Hahn
Thursday	13:00 - 14:30	Integrating Stereotypes and Individuating Information Based on Informativeness Under Cognitive Load	Thalia Vrantidis, William Cunningham

Thursday	13:00 - 14:30	Foundations of Search Behavior: Beyond the Exploration-exploitation Trade-off	Oana Vuculescu, Carsten Bergenholtz, Ali Amidi
Thursday	13:00 - 14:30	Successes of the Intuitive Psychologist: Observers Make Reasonable Judgments in the 'Role Conferred Advantage' Paradigm	Drew Walker, Nicholas Christenfeld, Ed Vul
Thursday	13:00 - 14:30	Visual Statistical Learning Contributes to Word Segmentation during Reading of Unspaced Chinese Sentences	Tsanyu Wang, Jenn-Yeu Chen
Thursday	13:00 - 14:30	Identifying the Evolutionary Progression of Color from Crosslinguistic Data	Julia Watson, Barend Beekhuizen, Suzanne Stevenson
Thursday	13:00 - 14:30	A Tradeoff Between Generalization and Perceptual Capacity in Recurrent Neural Networks	Taylor Webb, Steven Frankland, Simon Segert, Alexander Alexandrov Petrov, Randall C. O'Reilly, Jonathan Cohen
Thursday	13:00 - 14:30	Word-Learning Biases Contribute Differently to Late-Talker and Typically Developing Vocabulary Trajectories	Jennifer Marie Weber, Eliana Colunga,
Thursday	13:00 - 14:30	Wriggly, Squiffy, LummoX, and Boobs: What Makes Some Words Funny?	Chris Westbury, Geoff Hollis
Thursday	13:00 - 14:30	A Trade-Off in Learning Across Levels of Abstraction in Adults and Children	Erika Wharton-Shukster, Amy Sue Finn
Thursday	13:00 - 14:30	Evidence for Constructive Influences from Simple Evaluations	Lee, C, White, Emmanuel Pothos, Michael Jarrett
Thursday	13:00 - 14:30	The Accuracy of Causal Learning Over 24 Days	Ciara L. Willett, Benjamin Rottman
Thursday	13:00 - 14:30	Modeling Expertise with Neurally-Guided Bayesian Program Induction	Catherine Wong, Kevin Ellis, Matias Sablé-Meyer, Josh Tenenbaum
Thursday	13:00 - 14:30	Semantic Structure of Infant First-person Scenes Changes with Development	Ziyu Xiang, Linda Smith, David Crandall
Thursday	13:00 - 14:30	Revealing Long-term Language Change with Subword-incorporated Word Embedding Models	Yang Xu, Jiasheng Zhang, David Reitter
Thursday	13:00 - 14:30	The Effects of Object Motion Observations on Physical Prediction	Moyuru Yamada
Thursday	13:00 - 14:30	Commonality Search Shares Processes with Alternative Categorization	Mayu Yamakawa, Sachiko, Kiyokawa
Thursday	13:00 - 14:30	Race and Gender Are Automatically Encoded in Visual Working Memory	Xin Yang, Joshua Langfus, Justijn Halberda, Yarrow Dunham
Thursday	13:00 - 14:30	Minimal but Meaningful: Probing the Limits of Randomly Assigned Social Identities	Xin Yang, Yarrow Dunham
Thursday	13:00 - 14:30	Can Paradigmatic Relations be Learned Implicitly?	Hyungwook Yim, Olivera Savic, Layla Unger, Vladimir Sloutsky, Simon Dennis
Thursday	13:00 - 14:30	Understanding Human Memory for Where: Using Experience Sampling Data	Hyungwook Yim, Bree Wan, Rong Ong, Benjamin Stone, Simon Dennis
Thursday	13:00 - 14:30	Preschool Children's Understanding of Polite Requests	Erica Yoon, Michael C. Frank
Thursday	13:00 - 14:30	Lexical Diversity and Language Development	Yawen Yu, Dan Yurovsky
Thursday	13:00 - 14:30	Chinese Children Learning Higher-Order Generalizations Through Free Play: The Influence of Parenting Style	Li Zhao, Zi L. Sim, Mingyi , Wang, Fei Xu
Thursday	13:00 - 14:30	She Helped Even Though She Wanted to Play: Children Consider Psychological Cost in Social Evaluations	Xin Zhao, Tamar Kushnir
Thursday	13:00 - 14:30	Robustness of Object Recognition Under Extreme Occlusion in Humans and Computational Models	Hongru Zhu, Peng Tang, Alan Yuille, Soojin Park, Jeongho Park
Thursday	13:00 - 14:30	Why Decisions Bias Perception: An Amortised Sequential Sampling Account	Jianqiao Zhu, Adam Sanborn, Nicholas Chater
Thursday	13:00 - 14:30	Modeling of Complex Communicative Behavior for F-2 Companion Robot	Anna Zinina, Nikita Arinkin, Liudmila Zaidelman, Artemy Kotov
<b>Friday, July 26th, 13:00 - 14:30</b>			
Friday	13:00 - 14:30	The Price of Knowledge: Children Infer Epistemic States and Desires from Exploration's Cost	Rosie Aboody, Caiqin Zhou, Julian Jara-Ettinger
Friday	13:00 - 14:30	Semantic Coordination of Speech and Gesture in Young Children	Olga Abramov, Stefan Kopp, Katharina Rohlfing, Friederike Kern, Ulrich Mertens, Anne Németh
Friday	13:00 - 14:30	Visuo-Motor Control Using Body Representation of A Robotic Arm with Gated Auto-Encoders	Roberto Aguirre, Alejandro Fojo, Mauricio Castillo, Maria Noel Macedo, Adriana de León, Maximiliano Meliande, Germán Tourón
Friday	13:00 - 14:30	Culture As Ground For Cross Modality Unidimensional Timelines	Roberto Aguirre, Alejandro Fojo, Mauricio Castillo, Maria Noel Macedo, Adriana de León, Maximiliano Meliande, Germán Tourón

Friday	13:00 - 14:30	Modulation of Mood on Eye Movement Pattern and Performance in Face Recognition	Jeehye An, Janet Hsiao
Friday	13:00 - 14:30	Learning By Doing: Supporting Experimentation in Inquiry-based Modeling	Sungeun An, Robert P. Bates, Jennifer Hammock, Spencer Rugaber, Emily Weigel, Ashok Goel
Friday	13:00 - 14:30	Distinguishing Learned Categorical Perception from Selective Attention to a Dimension: Preliminary Evidence from A New Method	Janet Andrews, Josh de Leeuw, Rebecca Andrews Cole, Landolt Chrissy Griesmer
Friday	13:00 - 14:30	Children's Unscientific Conceptions Before and After Instruction in Space Science	Florencia K. Anggoro, Benjamin Jee, Amanda McCarthy, Victoria Jackson, Demitria A. Tsitsopoulos, Ioli Karageorgiou
Friday	13:00 - 14:30	Using Eye Tracking to Examine Morphological Features and Working Memory Capacity in Agreement Processing	Erik Arnold, Deryle Lonsdale
Friday	13:00 - 14:30	A Computational Cognitive Modeling Approach to Understand Test-takers' Strategy Use in Drag-and-drop Math Questions	Burcu Arslan, Yang Jiang, Tao Gong, Madeleine Keehner, Irvin Katz
Friday	13:00 - 14:30	A Computational Model of Feature Formation, Event Prediction, and Attention Switching	Eman Awad, Fintan Costello
Friday	13:00 - 14:30	Transferability of Calibration Training Between Knowledge Domains	Christopher Babadimas, Christopher George, Boras Nicholas, Rendoulis Matthew, Brian Welsh, Steve Begg
Friday	13:00 - 14:30	Linguistic Distributional Information and Sensorimotor Similarity Both Contribute to Semantic Category Production	Briony Banks, Cai Wingfield, Louise Connell
Friday	13:00 - 14:30	Investigating the Use of Word Embeddings to Estimate Cognitive Interest in Stories	Morteza Behrooz, Justus Robertson, Arnab Jhala
Friday	13:00 - 14:30	Multimodal Event Knowledge in Online Sentence Comprehension: The Influence of Visual Context on Anticipatory Eye Movements	Valentina Benedettini, Alessandro Lenci, Ken McRae, Pier Marco Bertinetto
Friday	13:00 - 14:30	HOT: Higher Order Tetris, Experts' Subgoals and Activities	Jacquelyn H. Berry, Wayne D. Gray
Friday	13:00 - 14:30	The Effect of Graphics on Mind Wandering in Online Video Lectures	Laura Bianchi, Kristin E. Wilson, Evan Risko
Friday	13:00 - 14:30	Improving Fraction Knowledge to Open the Door to Algebra	Julie L. Booth, Kristie J. Newton, Christina Barbieri, Laura K. Young, Nicole Hallinen,
Friday	13:00 - 14:30	An Asymmetry Between Distance Estimates Made to and from a Target	David A. Bosch, Yaacov Trope
Friday	13:00 - 14:30	Neither the Time nor the Place: Omissive Causes Yield Temporal Inferences	Gordon Briggs, Hillary Harner, Christina Wasylyshyn, Paul Bello, Sangeet Khemlani
Friday	13:00 - 14:30	Elicitation of Quantified Description Under Time Constraints	Gordon Briggs, Christina Wasylyshyn, Paul Bello
Friday	13:00 - 14:30	The Effect of Multiple Repetitions on Scanning in Long-Term Memory	Ian Marcus Bright, Rebecca DiDomenica, Rui Cao, Marc Howard
Friday	13:00 - 14:30	Using Graph Theory to Understand the Structure of Event Knowledge in Memory	Kevin Brown, Nickolas Christidis, Jeffrey Elman, Ken McRae
Friday	13:00 - 14:30	Who Are You Talking to Like That? Exploring Adults' Ability to Discriminate Child- and Adult-directed Speech Across Languages	John P. Bunce, Melanie Soderstrom, Md Momin Al Aziz, Marisa Casillas
Friday	13:00 - 14:30	Memory Maintenance of Gradient Speech Representations Is Mediated By Their Expected Utility	Wednesday Bushong, T. Florian Jaeger
Friday	13:00 - 14:30	Modeling Long-Distance Cue Integration Strategies in Phonetic Categorization	Wednesday Bushong, T. Florian Jaeger
Friday	13:00 - 14:30	Motivated Reasoning in Causally Ambiguous Explore-Exploit Situations	Zachary A. Caddick, Benjamin Rottman
Friday	13:00 - 14:30	Simplicity Preferences in Young Children's Decision-making	Rebecca Canale, George Loewenstein, Celeste Kidd
Friday	13:00 - 14:30	A Dynamic Neural Field Model of the McGurk Effect and Incongruous Audiovisual Speech Stimuli	Ryan Cannistraci, Jessica Fleming Hay, Aaron Buss
Friday	13:00 - 14:30	Exploring the Role of Social Priming in Alcohol Attentional Bias	Stephen Cantarutti, Emmanuel Pothos, Eleni Ziori, Katy Tapper
Friday	13:00 - 14:30	Taxonomic and Whole Object Constraints: A Deep Architecture	Mattia Cerrato, Edoardo Arnaudo, Valentina Gliozzi, Roberto Esposito
Friday	13:00 - 14:30	Simulating Bilingual Word Learning: Monolingual and Bilingual Adults' Use of Cross-Situational Statistics	Kin Chung, Jacky Chan, Padraic Monaghan
Friday	13:00 - 14:30	Visual Spatial Attention Skills and Holistic Processing in High School Students with and without Dyslexia	Ronald Chan, Chin-wai Kwok, Duo Liu, Ricky Van-yip Tso
Friday	13:00 - 14:30	Exploring Aha! Moments During Science Learning	Christine Chesebrough, Jennifer Wiley
Friday	13:00 - 14:30	Modeling the Costly Rejection of Wrongdoers by Children Using A Bayesian Approach	Theodore C. K. Cheung, Rachel A. Eng, Daphna Buchsbaum

Friday	13:00 - 14:30	Audio-Visual Integration: Point Light Gestures Influence Listeners' Behavior	Susan Wagner Cook
Friday	13:00 - 14:30	Magnitude Comparisons of Improper Fractions	Lucy Cui, Zili Liu
Friday	13:00 - 14:30	Scrape, Rub, and Roll: Causal Inference in the Perception of Sustained Contact Sounds	Maddie Cusimano, Josh McDermott
Friday	13:00 - 14:30	Iconic Prosody Is Rooted in Sensori-Motor Properties: Fundamental Frequency and the Vertical Space	Aleksandra Cwiek, Susanne Fuchs
Friday	13:00 - 14:30	Sample-Based Variant of Expected Utility Explains Effects of Time Pressure and Individual Differences in Processing Speed on Risk Preferences	Kevin da Silva-Castanheira, Ardavan S. Nobandegani, A. Ross Otto
Friday	13:00 - 14:30	Lifting the Curse of Knowing: How Feedback Improves Readers' Perspective-Taking	Debby Damen, Marije van Amelsvoort, Per van der Wijst, Emiel Krahmer
Friday	13:00 - 14:30	Abstract Concepts and the Suppression of Arbitrary Episodic Context	Charles P. Davis, Pedro M. Paz-Alonso, Gerry T. M. Altmann, Eiling Yee
Friday	13:00 - 14:30	The Jig-saw of Part-task Training in Dynamic Task Environments	Ropafadzo Denga, Wayne D. Gray
Friday	13:00 - 14:30	A Reservoir Model for Intra-Sentential Code Switching Comprehension in French and English	Pauline Detraz, Xavier Hinaut
Friday	13:00 - 14:30	Assessment of Cognitive Load in the Context of Neurosurgery	Daniel A. Di Giovanni, Simon Drouin, Marta Kersten-Oertel, Louis Collins
Friday	13:00 - 14:30	Predicting Bias in the Evaluation of Unlabeled Political Arguments	Nicholas Diana, John Stamper, Ken Koedinger
Friday	13:00 - 14:30	Building Blocks of Computational Thinking: Young Children's Developing Capacities for Problem Decomposition	Griffin Dietz, James A. Landay, Hyowon Gweon
Friday	13:00 - 14:30	A Familiarity-dependent Retrieval Threshold in ACT-R	Cvetomir M. Dimov
Friday	13:00 - 14:30	Skill Acquisition in a Dynamic Collaborative Task	Cvetomir M. Dimov, John R. Anderson, Shawn Betts, Dan Bothell
Friday	13:00 - 14:30	Decoding Affirmative and Negated Action-Related Sentences in the Brain with Distributional Semantic Models	Vesna Djokic, Jean Maillard, Luana Bulat, Ekaterina Shutova
Friday	13:00 - 14:30	How Time Spent on Feedback Influences Learning and Gaze in Categorization Training	Katerina Dolguikh, Jordan Barnes, Tyrus Tracey, Mark Blair
Friday	13:00 - 14:30	Liar's Intent: A Multidimensional Recurrence Quantification Analysis Approach to Deception Detection	Hannah Douglas, Adriana Rossi, Rachel W. Kallen, Michael J. Richardson
Friday	13:00 - 14:30	Adaptation Aftereffects as A Result of Bayesian Categorization	Marina Dubova, Arsenii Moskvichev
Friday	13:00 - 14:30	Modeling Socioeconomic Effects on the Development of Brain and Behavior	Selma Dündar-Coecke, Michael Thomas
Friday	13:00 - 14:30	Working Memory for Object Concepts Relies on Both Linguistic and Simulation Information	Agata Dymarska, Louise Connell, Briony Banks
Friday	13:00 - 14:30	Investigating bidirectionality of Associations in Young Infants as an Approach to the Symbolic System	Milad Ekramnia, Ghislaine Dehaene
Friday	13:00 - 14:30	Moral Reasoning with Multiple Effects: Justification and Moral Responsibility for Side Effects	Neele Engelmann, Michael R. Waldmann
Friday	13:00 - 14:30	Experimental Conditions Affect How Social Cues Guide the Regularisation of Unpredictable Variation	Olga Feher, Simon Kirby, Kenny Smith
Friday	13:00 - 14:30	Improv Exercises Promote Uncertainty Tolerance and Improve Creativity Outcomes	Peter Felsman, Sanuri Gunawardena, Colleen Seifert
Friday	13:00 - 14:30	Space Matters: Investigating the Influence of Spatial Information on Subjective Time Perception	Can Fenerci, Myles LoParco, Kevin da Silva-Castanheira, Signy Sheldon
Friday	13:00 - 14:30	Individual Differences in Fluency with Idea Generation Predict Children's Beliefs in Their Own Free Will	Teresa Flanagan, Tamar Kushnir
Friday	13:00 - 14:30	Using Known Words to Learn More Words: A Distributional Analysis of Child Vocabulary Development	Andrew, Z. Flores, Jessica L. Montag, Jon Willits
Friday	13:00 - 14:30	Children Master the Cardinal Significance of One-to-one Correspondence After They Learn to Count	Madison Flowers, Lindsay Stoner, Julian Jara-Ettinger
Friday	13:00 - 14:30	The Impact of Speech Complexity on Preschooler Attention, Speaker Preference, and Learning	Ruthe Foushee, Mahesh Srinivasan, Fei Xu
Friday	13:00 - 14:30	Experimental Investigation on Top-down and Bottom-up Processing in Comprehension of Graphs to Justify Decisions	Misa, Fukuoka Kazuhisa Miwa
Friday	13:00 - 14:30	Selectivity Metrics Provide Misleading Estimates of the Selectivity of Single Units in Neural Networks	Ella Gale, Ryan Blything, Nicholas Martin, Jeff Bowers, Anh Nguyen

Friday	13:00 - 14:30	Human Visual Object Similarity Judgments are Viewpoint-Invariant and Part-Based as Revealed Via Metric Learning	Joseph German, Robert Jacobs
Friday	13:00 - 14:30	Privileged Computations for Closed-class Items in Language Acquisition	Heidi Getz, Elissa L. Newport
Friday	13:00 - 14:30	Cross-cultural Differences in Playing Centipede-like Games with Surprising Opponents	Sujata Ghosh, Rineke Verbrugge, Harmen de Weerd, Aviad Heifetz
Friday	13:00 - 14:30	Reinstatement of Old Memories and Integration with New Memories	Pierre G. Gianferrara, Marlieke van Kesteren, Martijn Meeter
Friday	13:00 - 14:30	Why Are Some Online Educational Programs Successful? A Cognitive Science Perspective	Marissa Gonzales, Ashok Goel
Friday	13:00 - 14:30	Evaluating Systematicity in Neural Networks with Natural Language Inference	Emily Goodwin, Koustuv Sinha, Timothy O'Donnell.
Friday	13:00 - 14:30	Experimental Study on the Decision Making Process in A Centipede Game	Dhriti Goyal, Dhiraj Jagadale, Kavita Vemuri
Friday	13:00 - 14:30	Optimal Categorisation: The Nature of Nominal Classification Systems	Alexandra Grandison, Michael Franjeh, Greville G. Corbett
Friday	13:00 - 14:30	Stopping Rules in Information Acquisition At Varying Probabilities and Consequences: An Integrated Psychophysiological Measures Approach	Roberto Guedes de Nonohay, Gustavo Gauer, Richard Gonzalez, Guilherme Lannig
Friday	13:00 - 14:30	Failing to See What You Are A Part Of: Wisdom Among Crowd Members	Ulrike Hahn, Toby D. Pilditch, Nicole Cruz
Friday	13:00 - 14:30	Resource-Rich Versus Resource-Poor Assessment in Introductory Computer Science and Its Implications on Models of Cognition: An In-Class Experimental Study	Tobias Moritz Halbherr, Hermann Lehner, Manu Kapur
Friday	13:00 - 14:30	Strategy Shifting in Navigation: Insights from Trial-level Effects in A Virtual Navigation Task	Chuanxiuyue He, Alexander Boone, Mary Hegarty
Friday	13:00 - 14:30	Rapid Unsupervised Encoding of Object Files for Visual Reasoning	Rachel Flood Heaton, John E. Hummel
Friday	13:00 - 14:30	Explaining without Information: The Role of Label Entrenchment	Babak Hemmatian, Steven Sloman
Friday	13:00 - 14:30	Consequential Consensus: A Decade of Online Discourse about Same-sex Marriage	Babak Hemmatian, Sabina Johanna Sloman, Uriel CohenPriva, Steven Sloman
Friday	13:00 - 14:30	Untangling Indices of Emotion in Music Using Neural Networks	Dorien Herremans, Kin Wai Cheuk, Yin-Jyun Luo, Kat Agres
Friday	13:00 - 14:30	Prepare to Swear: Considering Phonological Preparation of Taboo Words	Kathryn Hodges, Alyce Huot, Alexandra K. Frazer, Hazem Abdelaal, Jessica Oxer
Friday	13:00 - 14:30	The Phenomenological Mind: Foregrounding Experience Through Cognitive Anti-realism and Quantum Cognition	Pamela Hoyte, Peter Bruza, Greg Thompson
Friday	13:00 - 14:30	Understanding Individual Differences in Eye Movement Pattern during Scene Perception Through Co-Clustering of Hidden Markov Models	Janet Hsiao, Kin Yan Chan, Yuefeng Du, Antoni B. Chan
Friday	13:00 - 14:30	The Intervention of Affective and Cognitive Theory of Mind on Impacting Social Norm Violation Judgements	Nai Ching Hsiao, Jon-Fan Hu
Friday	13:00 - 14:30	A Tool to analyze Verb Phrase and Noun Phrase Relationship in Sentences	Te-En Huang, Tao-Hsing Chang, Jon-Fan Hu
Friday	13:00 - 14:30	Does Incorporating Social Media Messages Into Television Programs affect the Validation of Incorrect Arguments?	Miwa Inuzuka, Yuko Tanaka, Mio Tsubakimoto
Friday	13:00 - 14:30	Learning to Control the Other's Body facilitates the Embodied Perspective Taking	Ryota Ishikawa, Kyohei Sasaki, Saho Ayabe-Kanamura, Jun Izawa
Friday	13:00 - 14:30	The Relationship Between Inhibitory Control and Creativity	Tal Ivancovsky, Moshe Bar
Friday	13:00 - 14:30	Spatial Updating Based on Visually Signaled Self-motion in Virtual Reality	Georg Jahn, Manuel Dudczig, Philipp Klimant
Friday	13:00 - 14:30	Do Deep Neural Networks Model Nonlinear Compositionality in the Neural Representation of Human-Object Interactions?	Aditi Jha, Sumeet Agarwal
Friday	13:00 - 14:30	Pupillometry Measures of Cognitive Load in Meta-T Dynamic Task Environment	Chris Joanis, Evan Pierce, Wayne D. Gray
Friday	13:00 - 14:30	Assessing Integrative Complexity as A Measure of Morphological Learning	Tamar Johnson, Jennifer Culbertson, Hugh Rabagliati, Kenny Smith
Friday	13:00 - 14:30	Impact of Chess Training on Creativity and Intelligence	Ebenezer Joseph, Veena Easvaradoss, David Chandran, Suneera Abraham
Friday	13:00 - 14:30	Equanimity Moderates Approach/avoidance Motor-responses and Evaluative Conditioning	Catherine Juneau, Laurent Waroquier, Michael Dambrun
Friday	13:00 - 14:30	Do Children Extend Pragmatic Principles to Non-linguistic Communication?	Alyssa Kampa, Catherine, E. Richards, Anna Papafragou

Friday	13:00 - 14:30	Does Children's Shape Knowledge Contribute to Age-Related Improvements in Selective Sustained Attention Measured in A TrackIt Task?	Emily Keebler, Jaeah Kim, Erik Thiessen, Anna Fisher
Friday	13:00 - 14:30	Curious Topics: A Curiosity-Based Model of First Language Word Learning	Daan Keijser, Lieke Gelderloos, Afra Alishahi
Friday	13:00 - 14:30	High-Dimensional Vector Spaces as the Architecture of Cognition	Matthew A. Kelly, Nipun Arora, Robert West, David Reitter
Friday	13:00 - 14:30	The Reassurance of the Complex Trial Protocol Against Ecologically Validated Countermeasures	Hyemin Kim
Friday	13:00 - 14:30	Downloading Culture.zip: Social Learning By Program Induction with Execution Traces	Max Kleiman-Weiner, Felix Anthony, Sosa Samuel Gershman, Fiery Cushman
Friday	13:00 - 14:30	A Bayesian Model of Memory in a Multi-context Environment	Dave Kleinschmidt, Pernille Hemmer
Friday	13:00 - 14:30	An Attempt to Visualize and Quantify Speech-Motion Coordination by Recurrence Analysis: A Case Study of Rap Performance	Kentaro Kodama, Daichi Shimizu, Kazuki Sekine
Friday	13:00 - 14:30	Exploring Monaural Auditory Displays That Convey Positional Information to Users	Takanori Komatsu, Masahiro Yamada, Seiji Yamada
Friday	13:00 - 14:30	The Trajectory of Counterfactual Simulation in Development	Jonathan F. Kominsky, Tobias Gerstenberg, Madeline Pelz, Henrik Singmann, Mark Sheskin, Frank Keil
Friday	13:00 - 14:30	Curiouser and Curiouser: Children's Intrinsic Exploration of Mazes and Its Effects on Reaching A Goal.	Eliza Kosoy, Deepak Pathak, Pulkit Agrawal, Alison Gopnik
Friday	13:00 - 14:30	Emotional Speech Processing with the Help of F2 Syntactic Parser	Artemy Kotov, Nikita Arinkin, Liudmila Zaidelman, Anna Zinina
Friday	13:00 - 14:30	Sizing Up Relations: Dimensions on Which Stimuli Vary Affect Likelihood of Adults' Relational Processing	Ivan Kroupin
Friday	13:00 - 14:30	Look Out, It's Going to Fall!: Does Physical Instability Capture Attention and Lead to Distraction?	Marta Kryven, Sholei Croom, Brian Scholl, Josh Tenenbaum
Friday	13:00 - 14:30	Various Sources of Distraction in Analogical Reasoning	Hanna Kucwaj, Jan Jastrzebski, Michaela Ociepa, Adam Chuderski
Friday	13:00 - 14:30	Verbal Insight Revisited: fMRI Evidence for Subliminal Processing in Bilateral Insulae for Solutions with AHA! Experience Shortly After Trial Onset	Simone Kühn, Tobias Sommer, Maxi Becker
Friday	13:00 - 14:30	Orthogonal Multi-view Three-dimensional Object Representations in Memory Revealed by Serial Reproduction	Thomas, A, Langlois, Nori, Jacoby, Jordan Suchow, Tom Griffiths
Friday	13:00 - 14:30	What's in A Name, and When Can A [Beep] be the Same?	Jill Lany, Abbie Thompson, Ariel Alejandro Agüero
Friday	13:00 - 14:30	The Inductive Benefit of Being Far Out: How Spatial Location of Evidence Impacts Diversity-based Reasoning	Chris Lawson, Noah Wolfe
Friday	13:00 - 14:30	Exploring the Representation of Linear Functions	Pablo Leon Villagra, Verena Svenja Klar, Adam Sanborn, Chris Lucas
Friday	13:00 - 14:30	What If Everybody Did That?: Universalization As a Mechanism of Moral Decision-making	Sydney Levine, Max Kleiman-Weiner, Laura Schulz, Josh Tenenbaum, Fiery Cushman
Friday	13:00 - 14:30	Approximate Inference through Sequential Measurements of Likelihoods Accounts for Hick's Law	Xiang Li, Luigi Acerbi, Wei Ji Ma
Friday	13:00 - 14:30	Do Children Really Have A Trust Bias? Preschoolers Reject Labels from Previously Inaccurate Robots But Not Inaccurate Humans	Xiaoqian Li, Wei Quin Yow
Friday	13:00 - 14:30	Individual Differences, Expertise and Outcome Bias in Medical Decision Making	Aron Liaw, Matthew Brian Welsh, Hillary Copp, Benjamin Breyer
Friday	13:00 - 14:30	Novel Categories Are Distinct from "Not"-categories	Shi Xian, Liew Joseph, Larry Austerweil
Friday	13:00 - 14:30	Exploration and Exploitation Reflect System-Switching in Learning	Li Xin Lim, Sebastien Helie
Friday	13:00 - 14:30	Comparison of Chinese and Western Categorization: Based on Bayesian Model	Junyao Liu, Yifei Wang, Yingying Yin, Wenxuan Hao, Mingyi Wang, Fei Xu
Friday	13:00 - 14:30	Why Some Verbs Are Harder to Learn than Others: A Micro-Level Analysis of Everyday Learning Contexts for Early Verb Learning	Siyun Liu, Yayun Zhang, Chen Yu
Friday	13:00 - 14:30	Gestures for Self Help Learning By Creating Models	Yang Liu, Melissa Zrada, Barbara Tversky
Friday	13:00 - 14:30	The Development of Children's Understanding of Arguments by Analogy	Nicole Simone Lobo, Zachary Horne
Friday	13:00 - 14:30	Is It Easier to Segment Words from Infant- than Adult-directed Speech? Modeling Evidence from An Ecological French Corpus	Georgia Loukatou, Marie-Thérèse Le Normand, Alejandrina Cristia
Friday	13:00 - 14:30	Attentional Capture: Modeling Automatic Mechanisms and Top-Down Control	Andrew Lovett, Will Bridewell, Paul Bello

Friday	13:00 - 14:30	Seeing the Meaning: Vision Meets Semantics in Solving Pictorial Analogy Problems	Hongjing Lu, Qing Liu, Nicholas Ichien, Alan Yuille, Keith Holyoak
Friday	13:00 - 14:30	The Effects of Contextual Cues on the Learning of Prepositions	Michelle Lynn Luna, Catherine Sandhofer
Friday	13:00 - 14:30	Statistical Learning Creates Implicit Subadditive Predictions	Yu Luo, Jiaying Zhao
Friday	13:00 - 14:30	Deconvolving A Complex, Real-Life Task: Do Standard Lab Tasks Predict CPR Learning and Retention?	Sarah C. Maaß, Florian Sense, Michael Krusmark, Kevin Gluck, Hedderik van Rijn
Friday	13:00 - 14:30	Comparing Cognitive Models in Dynamic Agent-based Models: A Methodological Case Study	Jens Koed Madsen, Richard Bailey, Ernesto Carrella, Nicolas Payette
Friday	13:00 - 14:30	EARSHOT: A Minimal Network Model of Human Speech Recognition That Operates on Real Speech	James Magnuson, Heejo You, Jay Rueckl, Paul Allopenna, Monica Li, Sahil Luthra, Rachael J. Steiner, Monty Escabi, Kevin Brown, Rachel Theodore, Nicholas R. Monto
Friday	13:00 - 14:30	The Contrasting Roles of Shape in Human Vision and Convolutional Neural Networks	Gaurav Malhotra, Jeff Bowers
Friday	13:00 - 14:30	The Cognitive Underpinnings of Inductive Grammar Learning	David Martinez, Alison Tseng, Valerie Karuzis, Meredith Mislevy-Hughes, Nick Balint, Gregory J. H. Colflesh, Polly O'Rourke
Friday	13:00 - 14:30	Decisions Against Preferences	Michael Messerli, Kevin Reuter
Friday	13:00 - 14:30	The Synergy of Passive and Active Learning Modes in Adaptive Perceptual Learning	Everett Mettler, Philip J. Kellman, Austin Phillips, Timothy Burke, Christine M. Massey, Patrick Garrigan
Friday	13:00 - 14:30	The Role of Sketch Quality and Visuo-Spatial Working Memory in Science Accuracy	Dana Miller-Cotto, Nicole Hallinen, Julie, L., Booth
Friday	13:00 - 14:30	The Development of Reasoning About Abductive, Inductive and Deductive Conditionals	Patricia L. Mirabile, Zachary Horne
Friday	13:00 - 14:30	Planning failures Induced By Budgetary Overruns Cause Intertemporal Impulsivity	Arjun Mitra, Narayanan Srinivasan, Nisheeth Srivastava
Friday	13:00 - 14:30	Statistical Learning of Conjunctive Probabilities	Di Mo, Blair Armstrong
Friday	13:00 - 14:30	Reward Function Complexity and Goals in Exploration-Exploitation Tasks	Brian Montambault, Chris Lucas,
Friday	13:00 - 14:30	Outgroup Homogeneity Bias Causes Ingroup Favoritism	Marcel Montrey, Thomas Shultz
Friday	13:00 - 14:30	Interactive Cognitive Modeling: Understanding and Supporting Individual Human Cognition	Junya Morita
Friday	13:00 - 14:30	A Picture Is Worth 7.17 Words: Learning Categories from Examples and Definitions	Arsenii Moskvichev, Roman Tikhonov, Mark Steyvers
Friday	13:00 - 14:30	"Give Me A Break": Can Brief Bouts of Physical Activity Reduce Elementary Children's Attentional failures and Improve Learning?	Grace Murray, Karrie Godwin
Friday	13:00 - 14:30	Gradations in Task Engagement Emerge from Metacognitive Priority Control	Dominic Mussack, Paul Schrater
Friday	13:00 - 14:30	Stability-Flexibility Dilemma in Cognitive Control: A Dynamical System Perspective	Sebastian Musslick, Anastasia S. Bizyaeva, Shamay Agaron, Naomi E. Leonard, Jonathan Cohen
Friday	13:00 - 14:30	The Effect of Alternative Outcomes on Perceived Counterfactual Closeness	Matthew Ross Myers, Lance Rips
Friday	13:00 - 14:30	Do Round Numbers Always Become Reference Points?: An Examination of Japanese and Major League Baseball Data	Kuninori Nakamura
Friday	13:00 - 14:30	Effects of Implicit Processes on Conversion from a Sub-optimal to an Optimal Solution	Yuki Ninomiya, Hitoshi Terai, Kazuhisa Miwa
Friday	13:00 - 14:30	The Influence of Mental fatigue on Delay Discounting	Samuel A. Nordli, Peter M. Todd
Friday	13:00 - 14:30	To Be or Not to Be: Examining the Role of Language in a Concept of Negation	Ann E. Nordmeyer, Jill de Villiers
Friday	13:00 - 14:30	Thinking Counterfactually Supports Children's Ability to Conduct a Controlled Test of an Hypothesis	Angela Nyhout, Alana Iannuzziello, Caren M. Walker, Patricia Ganea
Friday	13:00 - 14:30	Learning Preferences as an Index of Individual Differences in Cognitive Flexibility	Hayley O'Donnell, Evangelia G. Chrysikou
Friday	13:00 - 14:30	Learning the Proportional Nature of Probability from Feedback	Shaun O'Grady, Geoffrey Saxe, Fei Xu
Friday	13:00 - 14:30	Shift of Probability Weighting By Joint and Separate Evaluations: Analyses of Cognitive Processes Based on Behavioral Experiment and Cognitive Modeling	Yutaro Onuki, Hidehito Honda, Toshihiko Matsuka, Kazuhiro Ueda
Friday	13:00 - 14:30	Modeling Intuitive Teaching as Sequential Decision Making Under Uncertainty	Pamela Joy, Osborn Popp, Todd M. Gureckis

Friday	13:00 - 14:30	How Different Metaphor Styles Impact on Creativity of the Poetry Receivers?	Małgorzata Osowiecka, Alina Kolańczyk
Friday	13:00 - 14:30	Does Expressive Writing About Negative Emotions Influence Divergent Thinking?	Małgorzata Osowiecka, Radosław Sterczyński
Friday	13:00 - 14:30	Interference in Language Processing Reflects Direct-Access Memory Retrieval: Evidence from Drift-Diffusion Modeling	Dan Parker, Adam An
Friday	13:00 - 14:30	Interpreting Metaphors in Real-time: Cross-modal Evidence for Exhaustive Access	Iola Kay Patalas, Roberto G. de Almeida
Friday	13:00 - 14:30	Five Aspects of Compositionality and A Universal Principle	Steven Phillips
Friday	13:00 - 14:30	Scheduling an Information Search: Heuristics and Meaningful Metrics	Toby D. Pilditch, Alice Liefgreen
Friday	13:00 - 14:30	Mental Simulation: A Cognitive Linguistic Approach to Language Teaching	Laura Pissani
Friday	13:00 - 14:30	Egocentric Tendencies in Theory of Mind Reasoning: An Empirical and Computational Analysis	Jan Poeppel, Stefan Kopp
Friday	13:00 - 14:30	A Round Bouba Is Easier to Remember than A Curved Kiki: Sound-symbolism Can Support Associative Memory	Marie Poirier, René-Pierre Sonier, Dominic Guitard, Jean Saint-Aubin
Friday	13:00 - 14:30	Visual Exploration of Emotional Scenes in Aging during A free Visualization Task Depending on Arousal Level of Scenes	Elie Poncet, Nicolas Gaëlle, Nathalie Guyader, Elena Moro, Aurélie Campagne
Friday	13:00 - 14:30	How Much Harder Are Hard Garden-path Sentences than Easy Ones?	Grusha Prasad, Tal Linzen
Friday	13:00 - 14:30	Proposing a Cognitive System for Universal Mental Spatial Transformations	Kai Preuss, Nele Russwinkel,
Friday	13:00 - 14:30	Crowdsourcing Effective Educational Interventions	John Hunter Priniski, Zachary Horne
Friday	13:00 - 14:30	A Piecemeal Processing Strategy Model for Causal-Based Categorization	Guillermo Puebla, Sergio E. Chaigneau
Friday	13:00 - 14:30	Inferring Structured Visual Concepts from Minimal Data	Peng Qian, Luke Hewitt, Josh Tenenbaum, Roger Levy
Friday	13:00 - 14:30	Children's Sentential Complement Use Leads the Theory of Mind Development Period: Evidence from the CHILDES Corpus	Irina Rabkina, Constantine Nakos, Ken Forbus
Friday	13:00 - 14:30	Cue Validity, Feature Salience, and the Development of Inductive Inference	Robert Ralston, Vladimir Sloutsky
Friday	13:00 - 14:30	The Design of the Learning Environment Shapes Preschoolers' Causal Inference	Alexandra Rett, Elizabeth Bonawitz, Caren M. Walker
Friday	13:00 - 14:30	Geometric Significance of Topological Neighborhood in Standard and Oscillating SOM Models	Spyridon Revithis
Friday	13:00 - 14:30	Socio-economic Related Differences in the Use of Variation Sets in Naturalistic Child Directed Speech: A Study with Argentinian Population	Celia R. Rosemberg, Florencia Alam, Leandro Garber, Alejandra Stein, Maia Julieta Migdalek
Friday	13:00 - 14:30	Assessing the Role of Matching Bias in Reasoning with Disjunctions	Matias Sablé-Meyer, Salvador Mascarenhas
Friday	13:00 - 14:30	Priming Effects on the Interpretation of Ambiguous Discourse Relations	Eyal Sagi
Friday	13:00 - 14:30	Reducing Smartphone Overuse Through Behavioural Nudges	Dasha A. Sandra, Jay A. Olson, Denis Chmoulevitch, Signy Sheldon, Amir Raz, Samuel Veissière
Friday	13:00 - 14:30	Are Cross-Linguistically Frequent Semantic Systems Easier to Learn? The Case of Evidentiality	Dionysia Saratsli, Stefan Bartell, Anna Papafragou
Friday	13:00 - 14:30	Not All Exceptions Are the Same: Different Memory Demands for Differentiation, Isolation and Odd-ball Exceptions	Olivera Savic, Nathaniel J. Blanco, Vladimir Sloutsky
Friday	13:00 - 14:30	The Posterior Probability of A Null Hypothesis Given A Statistically Significant Result	Daniel J. Schad, Shravan Vasishth,
Friday	13:00 - 14:30	Spatial Preferences in Everyday Activities	Holger Schultheis
Friday	13:00 - 14:30	Using Eye-tracking to Examine the Role of Fluency in the Number Line Placement Task	Samantha Schwarz, Jennifer Asmuth
Friday	13:00 - 14:30	The Visual Representation of Abstract Verbs: Merging Verb Classification with Iconicity in Sign Language	Simone Scicluna, Carlo Strapparava,
Friday	13:00 - 14:30	How Does A Doll Play Affect Socio-emotional Development in Children?: Evidence from Behavioral and Neuroimaging Measures	Kazuki Sekine, Eriko Yamamoto, Saeka Miyahara, Yasuyo Minagawa
Friday	13:00 - 14:30	Learning and Production in the Explanation of Regularization Behaviour: A Computational Model	Chiara Semenzin, Vanessa Ferdinand, Simon Kirby

Friday	13:00 - 14:30	Introducing Quantitative Cognitive Analysis: Ubiquitous Reproduction, Cognitive Diversity and Creativity	Cameron Shackell, Peter Bruza
Friday	13:00 - 14:30	Symmetry: Low-level Visual Feature or Abstract Relation?	Ruxue Shao, Dedre, Gentner
Friday	13:00 - 14:30	Mathematical Creativity: Incubation, Serial Order Effect, and Relation to Divergent Thinking	Stacy Shaw, Gerardo Ramirez
Friday	13:00 - 14:30	Is An Over-polite Compliment Worse than An Impolite Insult?: Pragmatic Effects of Non-normative Politeness in Korean	Hagyeong Shin, Gabriel Doyle
Friday	13:00 - 14:30	Contextual Determinants of Adjective Order: Beyond "Itsy Bitsy Teeny Weeny Yellow Polka Dot Bikini"	Anastasia Smirnova, Alexander Lenarsky, Ricardo Romero Sanchez
Friday	13:00 - 14:30	Introducing Recursive Linear Classification (RELIC) for Machine Learning	Sean Snoddy, Kenneth Kurtz
Friday	13:00 - 14:30	Creativity and Machine Learning: Divergent Thinking EEG Analysis and Classification	Carl Stevens, Darya L. Zabelina
Friday	13:00 - 14:30	A Cognitive Modeling Approach for Predicting Behavioral and Physiological Workload Indicators	Christopher Stevens, Megan B. Morris, Christopher Fisher, Christopher Myers
Friday	13:00 - 14:30	Using Eye Gaze Data to Examine the Flexibility of Resource Allocation in Visual Working Memory	Edmond Stewart, Chris Donkin, Mike Le Pelley
Friday	13:00 - 14:30	Effects of Instructor Presence in Video Lectures: Rapport, Attention, and Learning	Andrew T. Stull, Logan Fiorella, Rebecca Similuk, Stevi G. Ibonie, Richard Mayer
Friday	13:00 - 14:30	Eye Movement Assessment in High and Low Social Anxiety Individuals: An Eye-Tracker Study	Wei-Ling Su, Min-Hsien Wu, Po-Yi Chi, Hua Feng, Tse-Ming Chen, Chia-Hua, Chang Ting-Hsuan Chang, Jon-Fan Hu
Friday	13:00 - 14:30	Event Perception Differs Across Cultures	Khena Swallow, Qi Wang
Friday	13:00 - 14:30	A Re-examination of the Interrelationships Between Attention, Eye Behavior, and Creative Thought	Shadab Tabatabaieian, Colin Holbrook, Carolyn Dicey Jennings
Friday	13:00 - 14:30	A Generalization Becomes Suppressed Over Time in the Context of Exceptions	Karina Tachihara, Kenneth Norman, Nicholas Turk-Browne, Adele Goldberg
Friday	13:00 - 14:30	What Strategies Do Adults Use to Solve Fraction Arithmetic Problems?	Shawn Tan, Jo-Anne LeFevre
Friday	13:00 - 14:30	Utilizing Eye-tracking to Explain Variation in Response to Inconsistent Message on Belief Change in False Rumor	Yuko Tanaka, Miwa Inuzuka, Rumi Hirayama
Friday	13:00 - 14:30	Predicting the Appreciation of Multimodal Advertisements	Serra Sinem Tekiroglu, Carlo Strapparava, Gözde Özbal
Friday	13:00 - 14:30	Children's Causal Inferences About Past Vs. Future Events	Katharine A. Tillman, Caren M. Walker
Friday	13:00 - 14:30	Explanation Versus Prediction: Statistical Differences in Detecting Fraudulent Events Do Not Necessarily Have Predictive Power	Angelica M. Tinga, Welmoed Kuperus, Maira B. Carvalho, Max M. Louwerse
Friday	13:00 - 14:30	Applying the Visual World Paradigm in the Investigation of Preschoolers' Online Reference Processing in A Naturalistic Discourse	Abigail Toth, Monique Charest, Jacolien van Rij, Juhani Järviö
Friday	13:00 - 14:30	Top-down Information Is More Important in Noisy Situations: Exploring the Role of Pragmatic, Semantic, and Syntactic Information in Language Processing	Fabio Trecca, Kristian Tylen, Riccardo Fusaroli, Christer Johansson, Morten H. Christiansen
Friday	13:00 - 14:30	Sub-morphemic form-meaning Systematicity: The Impact of Onset Phones on Word Concreteness	Sean Trott, Arturs Semenuks, Benjamin Bergen
Friday	13:00 - 14:30	When Is a Visual Perceptual Deficit More Holistic but Less Right-lateralized? The Case of High-school Students with Dyslexia in Chinese	Ricky Van-yip Tso, Ronald Chan, Janet Hsiao
Friday	13:00 - 14:30	The Role of Sensorimotor and Linguistic Information in the Basic-Level advantage	Rens van Hoef, Louise Connell, Dermot Lynott
Friday	13:00 - 14:30	Analyzing Performance Differences in Artists and Engineers: An RPM Study	Sravya Vatsavayi, Priyanka Srivastava, Kavita Vemuri
Friday	13:00 - 14:30	The Importance of Explanations in Guided Science Activities	Vaunam Venkadasalam, Nicole Larsen, Patricia Ganea
Friday	13:00 - 14:30	Both Thematic Role and Next-mention Biases Affect Pronoun Use in Dutch	Jorrig Vogels
Friday	13:00 - 14:30	Cognitive Abilities to Explain Individual Variation in the Interpretation of Complex Sentences by Older Adults	Margreet Vogelzang, Christiane M. Thiel, Stephanie Rosemann, Jochem, Rieger, Esther Ruigendijk
Friday	13:00 - 14:30	Achievement Goals and Mental Arithmetic: The Role of Distributed Cognition	Anna-Stiina Wallinheimo, Adrian Banks, Harriet Tenenbaum
Friday	13:00 - 14:30	Children with Immature Intuitive Theories Seek Domain-relevant Information	Jinjing (Jenny) Wang, Yang Yang, Carla Macias, Elizabeth Bonawitz
Friday	13:00 - 14:30	Language in Math Problem Solving	Renee E. Whittaker, Chang Xu, Jo-Anne LeFevre, Helena P. Osana, Jill Turner, Heather Douglas, Anne Lafay

Friday	13:00 - 14:30	Detecting Presupposition Failure with EEG	Alice Xia, Roxana-Maria Barbu, Kathleen Van Benthem, Daniel A. Di Giovanni, Ida Toivonen, Raj Singh
Friday	13:00 - 14:30	Evaluating Levels of Emotional Contagion with an Embodied Conversational Agent	Ozge Nilay Yalcin, Steve DiPaola
Friday	13:00 - 14:30	A Perspective-change Based Account of Creativity Evaluation: An Investigation in Simile Assessments	Shiyu Yang, Jeffrey Loewenstein
Friday	13:00 - 14:30	Demonstrative "This" and Hand Pointing Can Promote Socio-Centric Interpretations About Invisible Objects	Tetsuya Yasuda, Kei Kashiwade, Harumi Kobayashi
Friday	13:00 - 14:30	The Effect for Category Learning on Recognition Memory: A Signal Detection Theory Analysis	Siyuan Yin, Kevin O'Neill, Timothy F. Brady, Felipe DeBrigard
Friday	13:00 - 14:30	The Process of Art-making: An Analysis of Artist's Modification of Conditions in the Art-making Process	Sawako Yokochi, Takeshi Okada
Friday	13:00 - 14:30	Modeling Number Sense Acquisition in A Number Board Game by Coordinating Verbal, Visual, and Grounded Action Components	Arianna Xuefei Yuan, Jay McClelland
Friday	13:00 - 14:30	Corpus-based Topic Modeling for the Cognitive Study of the 21st Century Sociocultural Challenges	Vera Ivanovna Zabolotkina, Boris M. Velichkovsky, Artemy Kotov, Dmitry Orlov, Alexander Piperski, Elena M. Pozdnyakova
Friday	13:00 - 14:30	Crossmodal Spatial Mappings as a Function of Online Relational Analyses?	Yordanka Zafirova, Yolina Petrova, Georgi Petkov
Friday	13:00 - 14:30	Constructing a Category Prototype from Statistical Regularities Under Uncertainty	Haiyun Tima Zeng, John Trueswell, Sharon L. Thompson-Schill
Friday	13:00 - 14:30	Deep Learning of Chinese Characters	Xiaowei Zhao
Friday	13:00 - 14:30	The Role of Causal Information and Perceived Knowledge in Decision-Making	Min Zheng, Jesseca Marsh, Samantha Kleinberg
Friday	13:00 - 14:30	A Resource-rational Model of Physical Abstraction for Efficient Mental Simulation	Tina Zhu, Jessica Hamrick, Kevin McKee, Raphael Koster, Jan Balaguer, Peter Battaglia, Matthew Botvinick
Friday	13:00 - 14:30	Modeling Judgment Errors in Naturalistic Numerical Estimation	Wanling Zou, Sudeep Bhatia

**Saturday, July 27th, 13:00 - 14:30**

Saturday	13:00 - 14:30	Ignorance = Doing What Is Reasonable: Children Expect Ignorant Agents to Act Based on Prior Knowledge	Rosie Aboody, Caiqin Zhou, Madison Flowers, Julian Jara-Ettinger
Saturday	13:00 - 14:30	Change and Social Distribution of Figurative Language on Uruguayan Female Population	Roberto Aguirre, Manuel García-Ruiz, Yliana V. Rodríguez, María Noel Macedo, Mauricio Castillo
Saturday	13:00 - 14:30	Information Theory Meets Expected Utility: The Entropic Roots of Probability Weighting Functions	Mikaela Akrenius
Saturday	13:00 - 14:30	Modeling Gaze Distribution in Cross-situational Learning	Andrei Amatuni, Chen Yu
Saturday	13:00 - 14:30	Role of Variety in Cognitive Improvement From Action Video Games	Katie Bainbridge, Richard Mayer
Saturday	13:00 - 14:30	Embodied Measurements of Ideological Positioning	Brandon Batzloff, Michael Spivey
Saturday	13:00 - 14:30	Representing Lexical Ambiguity in Prototype Models of Lexical Semantics	Barend Beekhuizen, Chen Xuan Cui, Suzanne Stevenson
Saturday	13:00 - 14:30	Are All Remote Associates Test Equal? An Overview and Comparison of the Remote Associates Test in Different Languages	Jan Philipp Behrens, Ana-Maria Olteteanu
Saturday	13:00 - 14:30	Systematic Ambiguity: The Effect of Creativity and fractal Dimension on Pareidolia	Antoine Bellemare, Yann Harel, Julien Besle, Arne Dietrich, Karim Jerbi
Saturday	13:00 - 14:30	Listeners Use Descriptive Contrast to Disambiguate Novel Referents	Claire Augusta Bergey, Dan Yurovsky
Saturday	13:00 - 14:30	Masterminding in Education: Bringing Cognition, Emotion and Motivation Together in A Unified Mathematical framework	Lara Bertram, Eric Schulz, Elif Özel, Matthias Hofer, Laura Martignon, Jonathan D. Nelson
Saturday	13:00 - 14:30	Cognitive Complexity of Logical Reasoning in Games: Automated Theorem Proving Perspective	Katrine Bjørn, Pedersen Thoft, Nina Gierasimczuk
Saturday	13:00 - 14:30	Predicting Learned Inattention from Attentional Selectivity and Optimization	Nathaniel J. Blanco, Vladimir Sloutsky
Saturday	13:00 - 14:30	It's About Time: Temporal Problem Solving with Static Drawings in Animation Design	Janet Blatter
Saturday	13:00 - 14:30	Is It Better to Be in Shape or on Top of It? The Impact of Control, Valence, and Expectedness on Non-Spatial Uses of In and On	Brooke O. Breaux, Jessi Lynne LaSalle, Peyton Lute, Catherine Brousse, Claudia Mijares
Saturday	13:00 - 14:30	Children's Exploration as a Window Into Their Causal Learning	Sophie Bridgers, Yvonne Wang, Daphna Buchsbaum

Saturday	13:00 - 14:30	A Formalization of Cognitive Continuity/Discontinuity, to Settle the Darwin's-Mistake Debate	Selmer Bringsjord, Naveen Sundar, Govindarajulu Atriya Sen, Christina Elmore
Saturday	13:00 - 14:30	When Do People Use Containment Heuristics for Physical Predictions?	Erik Brockbank, Ed Vul, Kevin A. Smith
Saturday	13:00 - 14:30	Simplicity and Probability in Human Judgment	Tyler Brooke-Wilson, Jonathan S. Rosenfeld, Matthias Hofer, Junyi Chu, Josh Tenenbaum
Saturday	13:00 - 14:30	Task Characteristics and Individual Differences in Judgments of Relative Direction	Heather Burte
Saturday	13:00 - 14:30	Origins of Cross-domain Asymmetries	Daniel Casasanto, Yağmur Deniz Kisa
Saturday	13:00 - 14:30	Executive Functions in Aging: An Experimental and Computational Study of the Wisconsin Card Sorting Task	Andrea Caso, Richard P. Cooper
Saturday	13:00 - 14:30	Math Ability Varies Independently of Number Estimation in the Tsimané	Samuel J. Cheyette, Benjamin Pitt, Steven Piantadosi, Edward Gibson
Saturday	13:00 - 14:30	The Goal-Dependent Nature of Automatic Semantic Priming	Lin Khern A. Chia, Jon Willits
Saturday	13:00 - 14:30	L2 Learners' Phonemic Sensitivity: MMN & L2 Proficiency	Jeongwha Cho, Sun-Young Lee, Mijung Sung, Ki-Chun Nam, Hyeon-Ae Jeon, Youngjoo Kim
Saturday	13:00 - 14:30	Problem Difficulty in Arithmetic Cognition: Humans and Connectionist Models	Sungjae Cho, Jaeseo Lim, Chris Hickey, Byoung-Tak Zhang
Saturday	13:00 - 14:30	Observing Child-led Exploration Improves Parents' Causal Inferences	Koeun Choi, Milagros Grados, Elizabeth Bonawitz
Saturday	13:00 - 14:30	Query-guided Visual Search	Junyi Chu, Jon Gauthier, Roger Levy, Josh Tenenbaum, Laura Schulz
Saturday	13:00 - 14:30	Epistemic Drive and Memory Manipulations in Explore-exploit Problems	Nicolas Collignon, Chris Lucas
Saturday	13:00 - 14:30	Integrating Methods to Improve Model-based Performance Prediction	Michael Gordon Collins, Kevin Gluck
Saturday	13:00 - 14:30	Go Big and Go Grounded: Categorical Structure Emerges Spontaneously From the Latent Structure of Sensorimotor Experience	Louise Connell, James Brand, James Carney, Marc Brysbaert, Dermot Lynott
Saturday	13:00 - 14:30	Kinematic Specification of Intention in Full-body Motion	Sierra F. Corbin, Charles H. Moore, Gaurav Patil, Lillian Rigoli, Kevin Shockley, Tehran Davis, Tamara Lorenz
Saturday	13:00 - 14:30	Compositional Subgoal Representations	Carlos Giovanni Correa, Frederick Callaway, Mark K Ho, Tom Griffiths
Saturday	13:00 - 14:30	Working Memory and Co-Speech Iconic Gestures	Seana Coulson, Ying Choon Wu
Saturday	13:00 - 14:30	Efficiency of Learning in Experience-Limited Domains: Generalization Beyond the Wug Test	Christopher R. Cox, Matthew Cooper Borkenhagen, Mark Seidenberg
Saturday	13:00 - 14:30	The Influence of Implicit Normative Commitments in Decision-Making	Alexia Martinez, Eugenia Gorlin, Tania Lombrozo
Saturday	13:00 - 14:30	Magnitude Comparisons of Discounted Prices: Are They Similar to Fractions?	Lucy Cui, Zili Liu
Saturday	13:00 - 14:30	Magnitude Processing of Improper Fractions When Comparing Bundle Deals	Lucy Cui, Zili Liu
Saturday	13:00 - 14:30	Pupillometry as A Measure of Effort Exertion in Cognitive Control Tasks	Kevin da Silva-Castanheira, Myles LoParco, A. Ross Otto
Saturday	13:00 - 14:30	Contextual Effects in Value-Based Decision Making: A Resource-Rational Mechanistic Account	Kevin da Silva-Castanheira, Ardavan S. Nobandegani, Thomas Shultz, A. Ross Otto
Saturday	13:00 - 14:30	Towards building AI Life-coach Agent for Honing Creativity	Amarnath Dasaka, Preeti S. Bapiraju Surampudi
Saturday	13:00 - 14:30	Category-Specific Verb-Semantic Naming Deficit in Alzheimer's Disease: Evidence from A Dynamic Action Naming Task	Roberto G. de Almeida, Forouzan Mobayyen, Eva Kehayia, Caitlyn Antal, Vasavan Nair, George Schwartz
Saturday	13:00 - 14:30	Rapid Learning of Word Meanings from Distributional and Morpho-syntactic Cues	Margherita De Luca, Gary Lupyan,
Saturday	13:00 - 14:30	What Is "A Good Question Asker" Better At? From No Generalization, to Overgeneralization, to Adult-like Selectivity Across Childhood	Costanza De Simone, Azzurra Ruggeri
Saturday	13:00 - 14:30	Distinguishing Two Types of Prior Knowledge That Support Novice Learners	Anita Delahay, Marsha Lovett
Saturday	13:00 - 14:30	Parents' Linguistic Alignment Predicts Children's Language Development	Joseph Denby, Dan Yurovsky
Saturday	13:00 - 14:30	Nested Sets and Natural Frequencies	Stephen H. Dewitt, Anne Hsu, David Lagnado, Saoirse Connor Desai, Norman Fenton

Saturday	13:00 - 14:30	Linguistic Descriptions of Action Influence Object Perception: The Role of Action Readiness	Victoria DiRubba, Tommy Anderson, Alexia Toskos Dils
Saturday	13:00 - 14:30	Human-level But Not Human-like: Deep Reinforcement Learning in the Dark	Rachit Dubey, Pulkit Agrawal, Deepak Pathak, Alyosha Efros, Tom Griffiths
Saturday	13:00 - 14:30	Lying in Public: Revealing the Microstructure of Real-time False Responding Through Action Dynamics	Nicholas D. Duran, Denis O'Hora, Sam Redfern, Arkady Zgonnikov
Saturday	13:00 - 14:30	The Dark Side of Conceptual Metaphor	Frank Durgin, Jessica Lewis
Saturday	13:00 - 14:30	The Role of Affect in Sentence Perception	Veena Dhar Dwivedi
Saturday	13:00 - 14:30	How Can I Help? Developmental Change in the Selectivity of Two to four-year-olds' Attempts to Alleviate Others' Distress	Regina N. Ebo, Laura Schulz
Saturday	13:00 - 14:30	Do Humans Look Where Deep Convolutional Neural Networks "Attend"?	Mohammad K. Ebrahimpour, James Benjamin Falandays, Samuel Spevack, David C. Noelle
Saturday	13:00 - 14:30	Domestic Dog Understanding of Containment and Occlusion Events	Julia Espinosa, Daphna Buchsbaum
Saturday	13:00 - 14:30	Beyond Divergent Thinking: Measuring Creative Process and Achievement in Young Children	Natalie Evans
Saturday	13:00 - 14:30	An Experimental Protocol to Derive and Validate A Quantum Model of Decision-Making	Lauren E. Fell, Shahram Dehdashti, Peter Bruza, Catarina Moreira
Saturday	13:00 - 14:30	Exploring the Use of Overhypotheses By Children and Capuchin Monkeys	Elisa Felsche, Patience Stevens, Christoph Voelter, Daphna Buchsbaum, Amanda Seed
Saturday	13:00 - 14:30	Toddlers Recognize Multiple Polysemous Meanings and Use Them to Infer additional Meanings	Sammy Floyd, Adele Goldberg, Casey Lew-Williams
Saturday	13:00 - 14:30	Continuous Developmental Change Can Explain Discontinuities in Word Learning	Abdellah Fourtassi, Sophie Regan, Michael C. Frank
Saturday	13:00 - 14:30	Language Stability and Change in Age-dependent Networks	Stella Frank, Kenny Smith
Saturday	13:00 - 14:30	Extracting and Utilizing Abstract, Structured Representations for Analogy	Steven Frankland, Taylor Webb, Alexander Alexandrov Petrov, Randall C. O'Reilly, Jonathan Cohen
Saturday	13:00 - 14:30	The Stream of Spatial Information: Spanning the Space of Spatial Relational Models	Paulina Friemann, Jelica Nejasmic, Marco Ragni
Saturday	13:00 - 14:30	Investigating the Factorial Structure of Widespread False Beliefs	Vincent Frigo, Timothy T. Rogers
Saturday	13:00 - 14:30	A Rational Model of Syntactic Bootstrapping	Jon Gauthier, Roger Levy, Josh Tenenbaum
Saturday	13:00 - 14:30	Inflated Inflation and Superseded Supersession: Testing Counterfactual Sampling Accounts of Causal Strength Judgments	Maureen Gill, Jonathan F. Kominsky, Joshua Knobe, Thomas Icard
Saturday	13:00 - 14:30	Social Consequences of Information Search: Seeking Evidence and Explanation Signals Religious and Scientific Commitments	Maureen Gill, Tania Lombrozo
Saturday	13:00 - 14:30	Book Design, Attention, and Reading Performance: Current Practices and Opportunities for Optimization	Karrie Godwin, Cassandra M. Eng, Grace Murray, Anna Fisher
Saturday	13:00 - 14:30	Spatial-Numeric Associations Distort Estimates of Causal Strength	Kelly Goedert, Daniel W. Czarowski
Saturday	13:00 - 14:30	Can Children Develop Novel Tools to Solve Problems Via Analogical Generalization? Kind Of!	Micah Goldwater
Saturday	13:00 - 14:30	Effects of Induced Affective States on Decisions Under Risk with Mixed Domain Problems	Rui Gong, James E. Corter
Saturday	13:00 - 14:30	Language Facilitates 2.5-year-olds' Reasoning by the Disjunctive Syllogism	Myrto Grigoroglou, Sharon Chan, Patricia Ganea
Saturday	13:00 - 14:30	Demonstrating the Impact of Prior Knowledge in Risky Choice	Mathew Hardy, Tom Griffiths
Saturday	13:00 - 14:30	Investigating Sound and Structure in Concert: A Pupillometry Study of Relative Clause Attachment	Jesse Harris, Alexandra Lawn, Marju Kaps
Saturday	13:00 - 14:30	What Are You Talking About? A Cognitive Task Analysis of How Specificity in Communication Facilitates Shared Perspective in A Confusing Collaboration Task	Yugo Hayashi, Ken Koedinger
Saturday	13:00 - 14:30	Norms and the Meaning of Omissive Enabling Conditions	Paul Henne, Paul Bello, Sangeet Khemlani, Felipe DeBrigard
Saturday	13:00 - 14:30	Grammatical Generalisation in Statistical Learning: Is It Implicit and Invariant Across Development?	Amanda Jayne Hickey, Emma Hayiou-Thomas, Jelena Mirković
Saturday	13:00 - 14:30	The Computational Structure of Unintentional Meaning	Mark K. Ho, Joanna Korman, Tom Griffiths

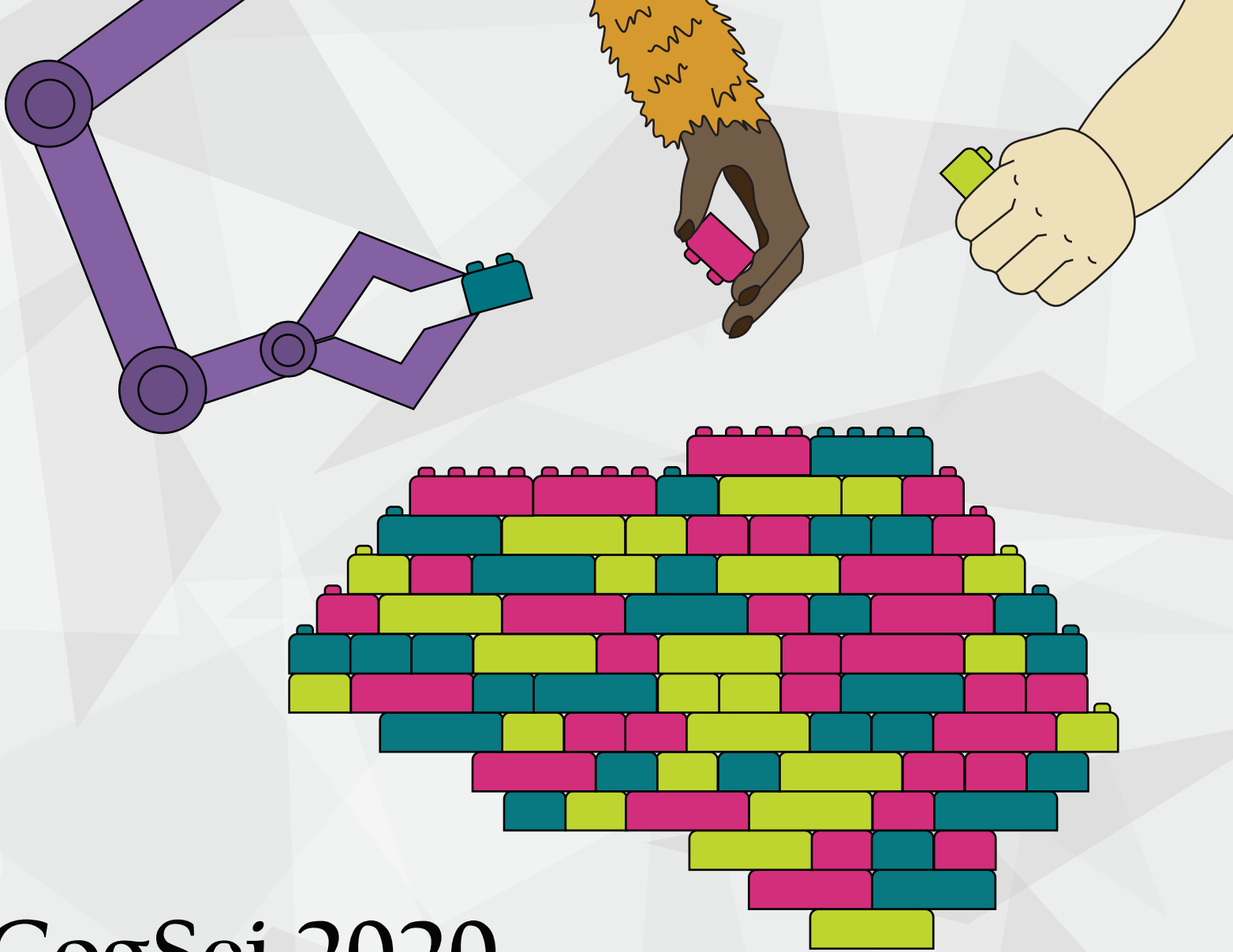
Saturday	13:00 - 14:30	Emotion Attributions Echo the Structure of People's Intuitive Theory of Psychology	Sean Dae Houlihan, Max Kleiman-Weiner, Josh Tenenbaum, Rebecca Saxe
Saturday	13:00 - 14:30	A Model-Based Investigating of the Biological Origin of Human Social Perception of Faces	Jingya Huang, Jianling Liu, Dalin Guo, Chaitanya K. Ryali, Jinyan Guan, Angela Yu
Saturday	13:00 - 14:30	Examining Prefrontal Cortex Contributions to Creative Problem Solving with Noninvasive Electric Brain Stimulation	Kent F. Hubert, Evangelia G. Chrysikou
Saturday	13:00 - 14:30	Examining the Association Between Elementary Students' Lexico-syntactic Writing Features and Cognitive-motivational Profiles Using Natural Language Processing	Melissa, R. Hunte, Christine Barron, Jeanne Sinclair, Hyunah Kim, Samantha McCormick, Megan Vincett, Eunhee Eunice, Jang Ji Soo Lim
Saturday	13:00 - 14:30	Does Motor Engagement Influence Memory for STEM Abstract Concepts?	Constanza Jacial, Evangelia G. Chrysikou
Saturday	13:00 - 14:30	Measuring How People Learn How to Plan.	Yash Raj Jain, Frederick Callaway, Falk Lieder
Saturday	13:00 - 14:30	Symbol Grounding Boosts Transfer in Addition Learning	Clint A. Jensen, April D. Murphy, Andrew G. Young, Martha W. Alibali, Timothy T. Rogers, Chuck Kalish
Saturday	13:00 - 14:30	When Is Science Considered Interesting and Important?	Samuel Johnson, Amanda, L. Royka, Peter McNally, Frank Keil
Saturday	13:00 - 14:30	Exploring Informal Science Interventions to Promote Children's Understanding of Natural Categories	George Kachergis, Todd M. Gureckis, Marjorie Rhodes
Saturday	13:00 - 14:30	Confirmation Bias Trumps Performance Optimization in Overt Active Learning	Yul HR Kang, Daniel Wolpert, Mate Lengyel
Saturday	13:00 - 14:30	The Consistency of Durative Relations	Laura J. Kelly, Sangeet Khemlani
Saturday	13:00 - 14:30	Learning to Recognize Uncertainty: Effects of Disconfirming Evidence on Confidence Scale Use in Preschoolers	Isabella Mackenzie Killeen, Caren M. Walker,
Saturday	13:00 - 14:30	Measuring Selective Sustained Attention in Children with TrackIt and Eyetracking	Jaeah Kim, Shashank Singh, Emily Keebler, Erik Thiessen, Anna Fisher
Saturday	13:00 - 14:30	Information Distribution Depends on Language-Specific Features	Josef Klafka, Dan Yurovsky
Saturday	13:00 - 14:30	A Neural Representation of Continuous Space Using Fractional Binding	Brent Komer, Terrence C. Stewart, Aaron R. Voelker, Chris Eliasmith
Saturday	13:00 - 14:30	Uncertain Evidence Statements and Guilt Perception in Iterative Reproductions of Crime Stories	Elisa Kreiss, Michael Franke, Judith Degen
Saturday	13:00 - 14:30	Visual, Auditory, and Temporal Sensorimotor Discrimination Abilities and Their Relationships with Complex Cognition	Bartłomiej Krocze, Jan Jastrzebski, Michał Ociepa, Hanna Kucwaj, Adam Chuderski
Saturday	13:00 - 14:30	Belief Dynamics Extraction	Arun Kumar, Zhengwei Wu, Xaq Pitkow, Paul Schrater
Saturday	13:00 - 14:30	AI and Cognitive Testing: A New Conceptual Framework and Roadmap	Maithilee Kunda
Saturday	13:00 - 14:30	Automated Cognitive Modeling with Bayesian Active Model Selection	Vishal Lall, Jordan Suchow, Gustavo Malkomes, Tom Griffiths
Saturday	13:00 - 14:30	Using Interpersonal Movement Coordination to Investigate Gender Differences in Adults with Autism	Nida Latif, Cynthia Di Francesco, Aparna Nadig
Saturday	13:00 - 14:30	Modal Concepts: Developing Thoughts of the Possible and the Impossible	Brian Leahy, Susan Carey
Saturday	13:00 - 14:30	Drawing Conclusions from Spatial Coincidences: A Cumulative Clustering Account	Jennifer Lee, Wei Ji Ma
Saturday	13:00 - 14:30	Brain Responses to Verbal Mismatches and Case Marking Mismatches: Adolescents Vs. Adults	Sun-Young Lee, Jinhee Jeong, Eun Kyoung Lee, Ha-A-Yan Jang, Sook Whan Cho
Saturday	13:00 - 14:30	Evidence For A 30-million-word Gap Across Language Environments of Children with Cochlear Implants	Matthew I. Lehet, Meisam K. Arjmandi, Laura Dilley
Saturday	13:00 - 14:30	Generalizing Functions in Sparse Domains	Pablo Leon Villagra, Chris Lucas
Saturday	13:00 - 14:30	The Critical Moment Is Coming: Modeling the Dynamics of Suspense	Zhiwei Li, Neil R. Bramley, Todd M. Gureckis
Saturday	13:00 - 14:30	Scientific Knowledge Organized Through Question Network	Zhiwei Li, Kai Ren
Saturday	13:00 - 14:30	Different Frames of Players and Their Empathy as Motive of Prosocial Behavior in Digital Games	Ji Soo Lim
Saturday	13:00 - 14:30	Causal Structure and Probability Information Modulate the Preference for Simple Explanations	Emily G. Liquin, Tania Lombrozo
Saturday	13:00 - 14:30	Inferring the Social Meaning of Objects with Intuitive Physics and Theory of Mind	Michael Lopez-Brau, Julian Jara-Ettinger

Saturday	13:00 - 14:30	Discovering A Symbolic Planning Language from Continuous Experience	João Loula, Tom Silver, Kelsey R. Allen, Josh Tenenbaum
Saturday	13:00 - 14:30	Modeling Practice-related Reaction Time Speedup Using Hierarchical Bayesian Methods: Evidence for A Process-shift Account	Jarrett Lovelett, Ed Vul, Tim C. Rickard
Saturday	13:00 - 14:30	The Role of Effector Physicality and Risk Perception in Virtual Environments	Shulan Lu, Derek Harter, Gang Wu, Pratyush Kotturu
Saturday	13:00 - 14:30	Representing Spatial Relations with Fractional Binding	Thomas Lu, Aaron R. Voelker, Brent Komer, Chris Eliasmith
Saturday	13:00 - 14:30	Source Reliability and the Continued Influence Effect of Misinformation: A Bayesian Network Approach	Jens Koed Madsen, Saoirse Connor Desai, Toby D. Pilditch
Saturday	13:00 - 14:30	Controlling Automobiles during Unconsciousness of the Driver Using Brainwaves	Nilakshi Mahanta
Saturday	13:00 - 14:30	Emergence of Collective Cooperation and Networks from Selfish-Trust and Selfish-Connections	Korosh Mahmoodi, Cleotilde Gonzalez
Saturday	13:00 - 14:30	Testing Human Use of Probability in A Visuo-motor Conjunction Task	Laurence T. Maloney, Jinsoo Kim, Keiji Ota
Saturday	13:00 - 14:30	Effects of Blindfolding on Verbal and Gestural Expression of Path in Auditory Motion Events	Ezgi Mamus, Lilia Rissman, Asifa Majid, Asli Özyürek
Saturday	13:00 - 14:30	Spatial Representations of Symbolic Fractions and Nonsymbolic Ratios: SNARC Effect and Number Line Estimation	Rui Meng, Percival Matthews
Saturday	13:00 - 14:30	Leveraging Thinking to Facilitate Causal Learning from Intervention	Yuan Meng, Fei Xu
Saturday	13:00 - 14:30	Interlocutors Preserve Complexity in Language	Madeline Meyers, Dan Yurovsky
Saturday	13:00 - 14:30	Quality of STEM Learning from Children's Books	Hilary Miller, Lucy Cronin-Golomb, Patricia J. Bauer
Saturday	13:00 - 14:30	Comparing Unsupervised Speech Learning Directly to Human Performance in Speech Perception	Juliette Millet, Nika Jurov, Ewan Dunbar
Saturday	13:00 - 14:30	What's in the Adaptive Toolbox and How Do People Choose From It? Rational Models of Strategy Selection in Risky Choice	Florian Mohnert, Thorsten Pachur, Falk Lieder
Saturday	13:00 - 14:30	Pressure to Communicate Across Knowledge Asymmetries Leads to Pedagogically Supportive Language Input	Benjamin C. Morris, Dan Yurovsky
Saturday	13:00 - 14:30	Lexical Iconicity facilitates Word Learning in Situated and Displaced Learning Contexts	Yasamin Motamedi, Elizabeth Wonnacott, Chloe Marshall, Pamela Perniss, Gabriella Vigliocco
Saturday	13:00 - 14:30	Learning with An Algebra Computer Tutor: What Type of Hint Is Best?	Kyle Sale, Kasia Muldner
Saturday	13:00 - 14:30	Decomposing Individual Differences in Cognitive Control: A Model-Based Approach	Sebastian Musslick, Jonathan Cohen, Amitai Shenhav
Saturday	13:00 - 14:30	Neighborhood in Decay: Working Memory Modulates Effect of Phonological Similarity on Lexical Access	Karl David Neergaard, James Britton, Chu-Ren Huang
Saturday	13:00 - 14:30	On Falsification and Optimal Experimental Design Approaches to the Value of Information	Jonathan D. Nelson, Vincenzo Crupi, Flavia Filimon, Garrison W. Cottrell
Saturday	13:00 - 14:30	Why Do You Take That Route?	Alimire Nibijiang, Supratik Mukhopadhyay, Sanaz Saeidi, Yimin Zhu, Ravindra Gudishala, Qun Liu
Saturday	13:00 - 14:30	Investigating the Intrinsic Integration Hypothesis for the Design of Game-Based Learning Activities	Graeme Nidd, Kasia Muldner
Saturday	13:00 - 14:30	Bringing Order to the Cognitive Fallacy Zoo	Ardavan S. Nobandegani, William Campoli, Thomas Shultz
Saturday	13:00 - 14:30	On Robustness: An Undervalued Dimension of Human Rationality	Ardavan S. Nobandegani, Kevin da Silva-Castanheira, Timothy O'Donnell, Thomas Shultz
Saturday	13:00 - 14:30	Decoy Effect and Violation of Betweenness in Risky Decision Making: A Resource-Rational Mechanistic Account	Ardavan S. Nobandegani, Kevin da Silva-Castanheira, Thomas Shultz, A. Ross Otto
Saturday	13:00 - 14:30	Neural Network Modeling of Learning to Actively Learn	Lie Yu, Ardavan S. Nobandegani, Thomas Shultz
Saturday	13:00 - 14:30	Neural Substrates Mediating the Utility of Instrumental Divergence	Kaitlyn G. Norton, Mimi Liljeholm
Saturday	13:00 - 14:30	1.9 Million Hits and Counting: An Investigation of the Cognitive Alignment of Hundred Boards for Subtraction Thinking	Julie Numberger-Haag, Karrie Godwin, Rachael D. Todaro
Saturday	13:00 - 14:30	An Engineered Approach: Examining the Role of Child-directed Speech with Automatic Speech Recognition and Network Science	Erick Oduniyi, Rebekah M. Manweiler, Jonathan Brumberg
Saturday	13:00 - 14:30	Testing Accuracy, Additivity, and Sufficiency of Human Use of Probability Density Information in A Visuo-Cognitive Task	Keiji Ota, Jakob Phillips, Laurence T. Maloney

Saturday	13:00 - 14:30	Is Font Type and General Recommendation Really Playing Role in Dyslexic Comfortable Reading?	Tereza Pařilová, Bruno Miřík
Saturday	13:00 - 14:30	Family Resemblance in Unsupervised Categorization: A Dissociation Between Production and Evaluation	John Patterson, Sean Snoddy, Kenneth Kurtz
Saturday	13:00 - 14:30	Semi-supervised Learning with 2D Categories	John Patterson, Kenneth Kurtz
Saturday	13:00 - 14:30	Subjective Randomness in A Non-cooperative Game	Michael Payton, Jeffrey Zemla Joseph, Larry Austerweil
Saturday	13:00 - 14:30	Modelling Mental Imagery in the ACT-R Cognitive Architecture	David Peebles
Saturday	13:00 - 14:30	Age-Related Differences in the Influence of Category Expectations on Episodic Memory in Early Childhood	Kimele Persaud, Carla Macias, Pernille Hemmer, Elizabeth Bonawitz
Saturday	13:00 - 14:30	Ordinality Trumps Cardinality: What We Spatialize When We Spatialize Numbers	Benjamin Pitt, Daniel Casasanto
Saturday	13:00 - 14:30	The Diagram Disconnect: An Examination of Note-Taking Behaviors in College Students	Blaire Morgan Porter, Julia Wilson, Hilary Miller, Patricia J. Bauer
Saturday	13:00 - 14:30	Working Memory, Strategy, and Distraction on GF Tasks	Megan Raden, Andrew F.Jarosz
Saturday	13:00 - 14:30	When Does A Reasoner Respond: Nothing Follows?	Marco Ragni, Hannah Dames, Daniel Brand, Nicolas Oliver Riesterer
Saturday	13:00 - 14:30	Individual Spatial Reasoning Skills Support Different Kinds of Physics Tasks	Ilyse Resnick, Daniel Jackson
Saturday	13:00 - 14:30	"I Never Even Considered That!": Investigating Explanations for Adults' Failures to Learn Conjunctive Causal Rules	Alexandra Rett, Elizabeth Bonawitz, Koeun Choi, Caren M. Walker
Saturday	13:00 - 14:30	Distinguishing the Phenomenal from the Cognitive: An Empirical Investigation Into the Folk Concepts of Emotions	Kevin Reuter, Rodrigo Díaz
Saturday	13:00 - 14:30	You Must Know Something I Don't: Risky Behavior Implies Privileged Information	Emory Richardson, Julian Jara-Ettinger
Saturday	13:00 - 14:30	Agency Drives Category Structure in Instrumental Events	Lilia Rissman, Asifa Majid
Saturday	13:00 - 14:30	Auditory Stimuli Disrupt Visual Detection in A Visuospatial Task	Chris Robinson, Dylan Scott Laughery
Saturday	13:00 - 14:30	Modelling Semantics by Integrating Linguistic, Visual and Affective Information	Armand Rotaru, Gabriella Vigliocco
Saturday	13:00 - 14:30	Learning A Novel Rule-based Conceptual System	Joshua S. Rule, Josh Tenenbaum, Steven Piantadosi
Saturday	13:00 - 14:30	The Price of Good Intentions	Arunima Sarin, Fiery Cushman
Saturday	13:00 - 14:30	Rapid Semantic Integration of Novel Words Following Exposure to Distributional Regularities	Olivera Savic, Layla Unger, Vladimir Sloutsky
Saturday	13:00 - 14:30	Technology-Based Cognitive Enrichment for Animals in Zoos: A Case Study and Lessons Learned	Benjamin J. Scheer, Fidel Cano Renteria, Maithilee Kunda
Saturday	13:00 - 14:30	How to find Axioms for finite Domains: A Computational Exploration of Mathematical Discovery	Gordon Krieger, Dirk Schlimm
Saturday	13:00 - 14:30	Exploring the Space of Human Exploration Using Entropy Mastermind	Lara Bertram, Matthias Hofer, Jonathan D. Nelson
Saturday	13:00 - 14:30	On the Purpose of Ambiguous Utterances	Gregory Scontras, Asya Achimova, Christian Stegemann, Martin V. Butz
Saturday	13:00 - 14:30	A Smile Goes A Long Way: Exploring the Effect of Culture, Weather, and Connectedness on Smile Diffusion with an Agent-based Modell	Victoria Scotney, Fabian Cid Yanez, Joshua Cooper, Liane Gabora
Saturday	13:00 - 14:30	Associations Versus Propositions in Memory for Sentences	Kevin D. Shabahang Hyungwook Yim, Simon J. Dennis
Saturday	13:00 - 14:30	Instructions to Incorporate Music Themes Into A Haiku Increases Perceived Creativity of the Haiku	Cynthia Sifonis, Paul S. Sullivan
Saturday	13:00 - 14:30	Complex Exploration Dynamics from Simple Heuristics in A Collective Learning Environment	Sabina Johanna Sloman, Robert Goldstone, Cleotilde Gonzalez
Saturday	13:00 - 14:30	Adult Prediction Error Processing Is Associated with Vocabulary Size	Katherine D. Snelling, Stanka A. Fitneva
Saturday	13:00 - 14:30	It's Alive! Animate Sources Produce Mnemonic Benefits	Sean Snoddy, Joseph Clarence Wilson, Daniel Silliman, Kenneth J. Houghton, Deanne Westerman
Saturday	13:00 - 14:30	The Director Task Fails to Differentiate Young Adult Theory of Mind Abilities: An IRT Analysis	Mikhail Sokolov, John Logan

Saturday	13:00 - 14:30	Compositionality in Emerging Multi-agent Languages: Marrying Language Evolution and Natural Language Processing	Kees Sommer, Jae Perris, Arianna Bisazza, Tessa Verhoef
Saturday	13:00 - 14:30	Processing of Affirmation and Negation in Contexts with Unique and Multiple Alternatives: Evidence from Event-related Potentials	Maria Spychalska, Viviana Haase, Jarmo Kontinen, Markus Werning
Saturday	13:00 - 14:30	Children's Generalization of Novel Object Names in Comparison Contexts: An Eye Tracking Analysis	Ella Stansbury, Arnaud Witt, Jean-Pierre Thibaut
Saturday	13:00 - 14:30	A Geometric Interpretation of Feedback Alignment	Andreas Stöckel, Terrence C. Stewart, Chris Eliasmith
Saturday	13:00 - 14:30	Learning to Calibrate Age Estimates	Jordan Suchow
Saturday	13:00 - 14:30	It's Not the Treasure, It's the Hunt: Children Are More Explorative on An Explore/exploit Task than Adults	Emily Sumner, Mark Steyvers, Barbara W. Sarnecka
Saturday	13:00 - 14:30	Bayesian Inference of Social Norms as Shared Constraints on Behavior	Zhi-Xuan Tan, Desmond Ong
Saturday	13:00 - 14:30	Incorporating Semantic Constraints Into Algorithms for Unsupervised Learning of Morphology	Abi Tenenbaum, Roger Levy
Saturday	13:00 - 14:30	Sequential Diagnostic Reasoning with Independent Causes	Marko Tesic, Ulrike Hahn
Saturday	13:00 - 14:30	Incremental Understanding of Conjunctive Generic Sentences	Michael Henry Tessler, Karen Gu, Roger Levy
Saturday	13:00 - 14:30	Using Big Data to Understand Memory and Future Thinking	Robert Thorstad, Phillip Wolff
Saturday	13:00 - 14:30	Emergent Compositionality in Signaling Games	Nicholas Tomlin, Ellie Pavlick
Saturday	13:00 - 14:30	Be Timely: When Gaps Are More than Symptoms	John Michael Tomlinson, Jr.
Saturday	13:00 - 14:30	The Scaffolding of Inferential Reasoning: Intuitive Analysis of Variance	David L. Trumppower, Nicolas Robinson
Saturday	13:00 - 14:30	Do Bilingual Infants Possess Enhanced Cognitive Skills?	Angeline Sin Mei Tsui, Christopher Fennell
Saturday	13:00 - 14:30	Draping an Elephant: Uncovering Children's Reasoning About Cloth-Covered Objects	Tomer Ullman, Eliza Kosoy, Ilker Yildirim, Amir A. Soltani, Max Siegel, Josh Tenenbaum, Elizabeth Spelke
Saturday	13:00 - 14:30	Complexity and Learnability in the Explanation of Semantic Universals of Quantifiers	Iris van de Pol, Shane Steinert-Threlkeld, Jakub Szymanik
Saturday	13:00 - 14:30	Preschoolers' Evaluations of Ignorant Agents are Situation-Specific	Alyssa R. Varhol, Tamar Kushnir, Melissa Koenig
Saturday	13:00 - 14:30	Investigating the Exploration-exploitation Trade-off in Dynamic Environments with Multiple Agents	Denis Omar Verduga Palencia, Magda Osman
Saturday	13:00 - 14:30	Exploring the Linguistic Landscape: How Individual Differences Among Bilingual Adults Modulate Eye Movements When Viewing Multilingual Artificial Signs	Naomi Vingron, Jason Gullifer, Debra Titone
Saturday	13:00 - 14:30	The Temporal Dynamics of Belief-based Updating of Epistemic Trust: Light at the End of the Tunnel?	Momme von Sydow, Christoph Merdes, Ulrike Hahn
Saturday	13:00 - 14:30	Acquiring Agglutinating and Fusional Languages Can Be Similarly Difficult: Evidence from An Adaptive Tracking Study	Svenja Wagner, Kenny Smith, Jennifer Culbertson
Saturday	13:00 - 14:30	Active Information Seeking Using the Approximate Number System	Jinjing (Jenny) Wang, Elizabeth Bonawitz
Saturday	13:00 - 14:30	Bayesian Pragmatics Provides the Best Quantitative Model of Context Effects on Word Meaning in EEG and Cloze Data	Markus Werning, Matthias Unterhuber, Gregor Wiedemann
Saturday	13:00 - 14:30	Testing Gender Markedness of Nouns with Self: A Paced Reading Study	Ethan Gotlieb Wilcox
Saturday	13:00 - 14:30	Phonological Cues to Syntactic Structure in A Large-Scale Corpus	Ethan Gotlieb Wilcox
Saturday	13:00 - 14:30	Do Typically and Atypically Developing Children Learn and Generalize Novel Names Similarly: The Role of Conceptual Distance during Learning and at Test	Arnaud Witt Annick, Comblain Jean-Pierre Thibaut
Saturday	13:00 - 14:30	Semantic and Visual Interference in Solving Pictorial Analogies	Emily Wong, Guido F. Schauer, Peter C. Gordon, Keith Holyoak
Saturday	13:00 - 14:30	Using Low-level Sensory Mechanism to bootstrap High Order Thinking in EFL Reading	Hing Yi Orieta, Wong Duo, Liu Zi Yan
Saturday	13:00 - 14:30	An Examination of Perseveration Terms in Reinforcement Learning Models	Darrell Worthy, Astin C. Cornwall, Hilary J. Don
Saturday	13:00 - 14:30	Generalization As Diffusion: Human Function Learning on Graphs	Charley Mingshuo Wu, Eric Schulz, Samuel Gershman

Saturday	13:00 - 14:30	Surprisingly Unsurprising! Infants' Looking Time at Improbable Events Is Modulated by Others' Expressions of Surprise	Yang Wu, Hyowon Gweon
Saturday	13:00 - 14:30	How Should We Incentivize Learning? An Optimal Feedback Mechanism For Educational Games and Online Courses	Lin Xu, Maria Wirzberger, Falk Lieder
Saturday	13:00 - 14:30	Abstract Syntactic Knowledge or Limited-Scope Formulae: A Computational Study of Children's Early Utterances	Qihui Xu, Martin Chodorow, Virginia Valian, Xiaomeng Ma
Saturday	13:00 - 14:30	Mouse Tracking Measures Reveal Cognitive Conflicts Better than Response Time and Accuracy Measures	Takashi Yamauchi, Anton Leontyev, Moein Razavi
Saturday	13:00 - 14:30	Exploring How People Use Star Rating Distributions	Jingqi Yu, David Landy
Saturday	13:00 - 14:30	Communicative Need and Color Naming	Noga Zaslavsky, Charles Kemp, Naftali Tishby, Terry Regier
Saturday	13:00 - 14:30	Interpretation of Generic Language Is Dependent on Listener's Background Knowledge	Xiuyuan Zhang, Dan Yurovsky
Saturday	13:00 - 14:30	Big, Little, or Both? Exploring the Impact of Granularity on Learning for Students with Different Incoming Competence	Guojing Zhou, Xi Yang, Min Chi
Saturday	13:00 - 14:30	Bayesian Inference Causes Incoherence in Human Probability Judgments	Jianqiao Zhu, Adam Sanborn, Nicholas Chater
Saturday	13:00 - 14:30	A Visual Remote Associates Test and Its Initial Validation	Faheem Hassan Zunjani, Ana-Maria Olteteanu



# CogSci 2020

Developing a Mind:  
Learning in Humans, Animals, and Machines

July 29 - August 1 | Toronto, Canada

## INVITED SPEAKERS

Cecilia Heyes  
Geoffrey Hinton  
Janet Werker

## INVITED PANELS

Deep Integration of Development and Cognitive Science  
Social, Cultural, and Linguistic Constraints on Development  
Statistical Learning and Development

Co-Chairs: Daphna Buchsbaum | Stephanie Denison | Michael Mack | Yang Xu | Blair C. Armstrong