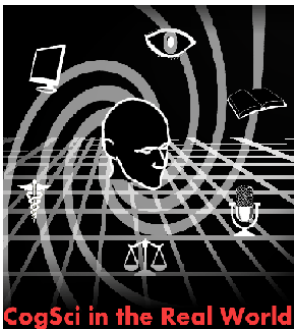
Introduction



CogSci 2007 is the 29th annual conference of the Cognitive Science Society for basic and applied cognitive science research. Scientists from across the world submit their best work and attend CogSci to hear the latest theories and data from the world's best cognitive science researchers. Each year, the Cognitive Science conference highlights a particular area of cognitive science. The theme of CogSci 2007 is **CogSci in the Real World**. This theme is intended to highlight cognitive science research in which principles supported in basic cognitive science research are further tested in real world settings or applied to questions that arise in real world settings. One central aspect of this type of research, in contrast to other realms of applied research, is that it is theoretically driven and feeds back to our theoretical understandings. As such, real world research fortifies our understanding of human cognition. To honor this theme, two researchers who exemplify this genre of research are plenary speakers at the conference, Walter Kintsch and John Laird. In addition, the 2007 Rumelhart Prize Winner, Jeffrey Elman, and the 2006 Heineken Prize Winner, John Anderson, will give plenary talks in honor of their awards.

The location of CogSci 2007 was the Gaylord Opryland Resort & Convention Center in Nashville, Tennessee (August 1 – August 4, 2007). In total, 397 paper submissions were received, of which 273 were accepted as 6-page papers in the Proceedings. Of these, 117 (29.6%) were scheduled for oral presentation, and 156 (39.5%) for poster presentation. There were also 13 symposia and 14 publication based talks accepted as oral presentations. In addition, 201 member abstract submissions were received, which are only lightly reviewed, and thus, 196 of them were accepted. There were 4 tutorials and 4 workshops offered on August 1, the day before the main conference.

Organizing the conference involves a tremendous amount of work for an extended period of time. It could not have been done without the help of many people. Primary thanks go to Kevin Gluck, the Cognitive Science Society Conference Officer. Kevin took on the responsibility of organizing the CogSci conference every year in order to have more continuity across conferences and to improve long-range planning. The large growth in our society has moved us away from the smaller, university-located conferences, and into large conference venues that need to be booked and planned several years in advance. Kevin does a large part of that organization and planning. Thanks are also due to the 19 members of the Organizing Committee, for managing various aspects of the conference; the 72 members of the Program Committee, for their work in the review process; the 593 reviewers, for providing thorough and helpful reviews; and the Local Organization Committee, for managing local arrangements. See the listings of these committees on subsequent pages. In addition, thanks are due to James Stewart, for quickly diagnosing and fixing problems arising from the submission/reviewing software; and Deborah Gruber, the Society's Business Manager, for contributing to all aspects of the conference planning and preparation. Thanks are also due to all of the sponsors (who are listed on a subsequent page) for their support of the conference, awards, workshops and tutorials, and for supporting student participation through reduced registration fees and travel support. And above all, thanks are due to all the authors, the presenters, and the attendees of CogSci07 for making it a great success.

CogSci 2007 Organizing Committee

Conference Co-Chairs: Danielle S. McNamara and Greg Trafton

CogSci 2007 Program Chairs:
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CS Society Conference Officer:
Kevin Gluck

CS Society Events Committee Chair:
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Peter Cheng

Proceedings Chair:
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Senior Scientist Prizes

The David E. Rumelhart Prize
The David E. Rumelhart Prize is awarded annually to an individual or a collaborative team making a significant contemporary contribution to the theoretical foundations of human cognition. As in the past, 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 2007 David E. Rumelhart Prize Recipient is Jeffrey L. Elman.

The 2008 prize winner will be announced at this year's conference.

The Dr. A. H. Heineken Prizes
The Heineken Prizes are awarded biennially to five outstanding international scientists and scholars, and one highly talented Dutch visual artist. The laureates receive the Heineken Prizes for their great contributions to science, Dutch art and society. The Dr. A. H. Heineken Prize for Cognitive Science is awarded to an individual person whose transdisciplinary contribution to the knowledge and insight concerning the mechanisms and processes underlying the intelligent functioning of humans and animals is judged of such exceptional importance or value by the Royal Netherlands Academy of Arts and Sciences that this person is deemed a worthy recipient of the prize. The 2006 Heineken Prize winner was John R. Anderson.

Both cognitive scientists will present their work at CogSci 2007.

2007 Paper Awards

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 are eligible for the Marr Prize for the best student paper. Authors who graduated within the last 6 months and are no longer students are also eligible if the work being reported was conducted entirely while the first author was a student. The Marr Prize includes an honorarium of $1,000 and is co-sponsored by The Cognitive Science Society and Elsevier.

The winner of the 2007 Marr Prize for Best Student Paper is:

David Landy
Robert L. Goldstone
The Alignment of Ordering and Space in Arithmetic Computation

Computational Modeling Prizes

Four prizes worth $1,000 each are awarded for the best full paper submissions to CogSci 2007 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. The Computational Modeling Prizes are generously sponsored by the National Science Foundation.

The winners of the 2007 Computational Modeling Prizes are:

Perception/Action:	Noah Goodman Vikash Mansinghka Joshua Tenenbaum *Learning Grounded Causal Models*
Language:	Xiaowei Zhao Ping Li *Bilingual Lexical Representation in a Self-Organizing Neural Network Model*
Higher-Level Cognition:	Charles Kemp Noah Goodman Joshua Tenenbaum *Learning Causal Schemata*
Applied Cognition:	Glenn Gunzelmann Kevin Gluck Jeffrey Kershner Hans Van Dongen David Dinges *Understanding Decrements in Knowledge Access Resulting from Increased Fatigue*

Student Travel Awards

Travel awards have been provided to students whose papers were accepted as oral presentations and who indicated a need for travel funding. The $10,000 in student travel awards is generously sponsored by the Robert J. Glushko and Pamela Samuelson Foundation.

The 2007 Student Travel Awards went to:

Barbey, Aron	Hwang, Alex
Barrington, Luke	Khemlani, Sangeet
Bonawitz, Elizabeth	Konkle, Talia
Borovsky, Arielle	Marinier, Robert
Chen, Marian	Meier, Anne
Ettlinger, Marc	Mutafchieva, Milena
Fausey, Caitlin	Nomura, Emi
Feldman, Naomi	Ratliff, Kristin
Fernbach, Philip	Rohde, Hannah
Frank, Michael	Stewart, Terry
Gerganov, Alexander	Twyman, Alexandra
Goldfain, Albert	Willits, Jon
Harrison, Anthony	Zapf, Jennifer
Hendersen, Deborah	

Cognition and Student Learning (CaSL) Prize

The Cognition and Student Learning (CaSL) Prize is an honorarium of $1,000 that will be awarded beginning in 2008 for research conducted on a topic directly related to cognitive science, educational practice, and subject matter learning. The Institute of Education Sciences has provided five years of funding to the Cognitive Science Society for this award - to begin in 2008.

Sponsors

We sincerely thank the sponsors of the 29th Annual Cognitive Science Society Conference for their support of the conference, awards, workshops and tutorials, and for supporting student participation through reduced registration fees and travel support.

US National Science Foundation
US Office of Naval Research
US Army Research Laboratory
US Air Force Office of Scientific Research
US Air Force Research Laboratory
Elsevier
The Robert J. Glushko and Pamela Samuelson Foundation
Vanderbilt University
- Center for Integrative & Cognitive Neuroscience
- College of Arts and Sciences
- Learning Sciences Institute
- Peabody College
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Cognitive Science Society

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Trends in Cognitive Science

Program Notes

Registration/Information Desk Hours:
Wednesday 8:00am – 2:00pm, 4:00 – 6:30pm
Thursday 8:00am – 2:00pm, 3:00 – 3:30pm, 5:00 – 5:30pm
Friday 8:00am – 10:30am, 3:00 – 3:30pm, 5:00 – 5:30pm
Saturday 8:30 – 9:30 am
Tennessee Lobby Registration Desk

Executive Committee Meeting
Wednesday 12:00 – 5:00pm
Magnolia Boardroom A

Governing Board Lunch Meetings
Thursday 12:00 – 1:30pm
Friday 12:00 – 1:30pm
Magnolia Boardroom B

Fellows Committee Meeting
Thursday 7:00 – 9:00pm
Magnolia Boardroom B

Cognitive Science Society Business Meeting
(All members are invited) Saturday 9:30 – 10:30am
Magnolia Ballroom

How to Cite Your Paper

APA formatted citation for a 6-Page Paper:

Smith, J., & Jones, M. (2007). This is the title of the paper. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Annual Cognitive Science Society* (pp. 64-70). Austin, TX: Cognitive Science Society.

APA formatted citation for a Published Abstract (note that this is not a refereed publication):

Smith, J., & Jones, M. (2007). This is the title of the abstract [Abstract]. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Annual Cognitive Science Society* (p. 201). Austin, TX: Cognitive Science Society.

APA formatted citation for a talk (or poster) presentation:

Smith, J., & Jones, M. (2007, August). This is the title of the talk or poster. Paper (or Poster) presented at the 29th Annual Cognitive Science Society. Nashville, TN.

Developmental Science

Early Career Researcher Prize

In order to help recognise the emergence of new researchers with outstanding potential in the field of developmental sciences, the ***Developmental Science*** editors wish to award an annual prize for the best original scientific paper or report to appear in the journal ***Developmental Science.***

- **The prize will be awarded annually beginning in 2007;**
- **The recipient must be the first author on a paper or research report of outstanding originality and impact that has been accepted or has appeared in *Developmental Science* during the year preceding the award;**
- **He or she will be within 5 years of completing their PhD when the paper was accepted.**

The Editors and Associate Editors will select the winning paper. Nominations will be considered from co-authors and members of the full editorial board. The winning author and paper will be announced in the journal along with a brief citation highlighting the importance of the work reported. **The winner will receive a certificate, a personal annual subscription to the journal and $500, kindly donated by Blackwell Publishing.**

For further information about the Journal, including the Author Guidelines, please visit: **www.blackwellpublishing.com/desc**

Blackwell
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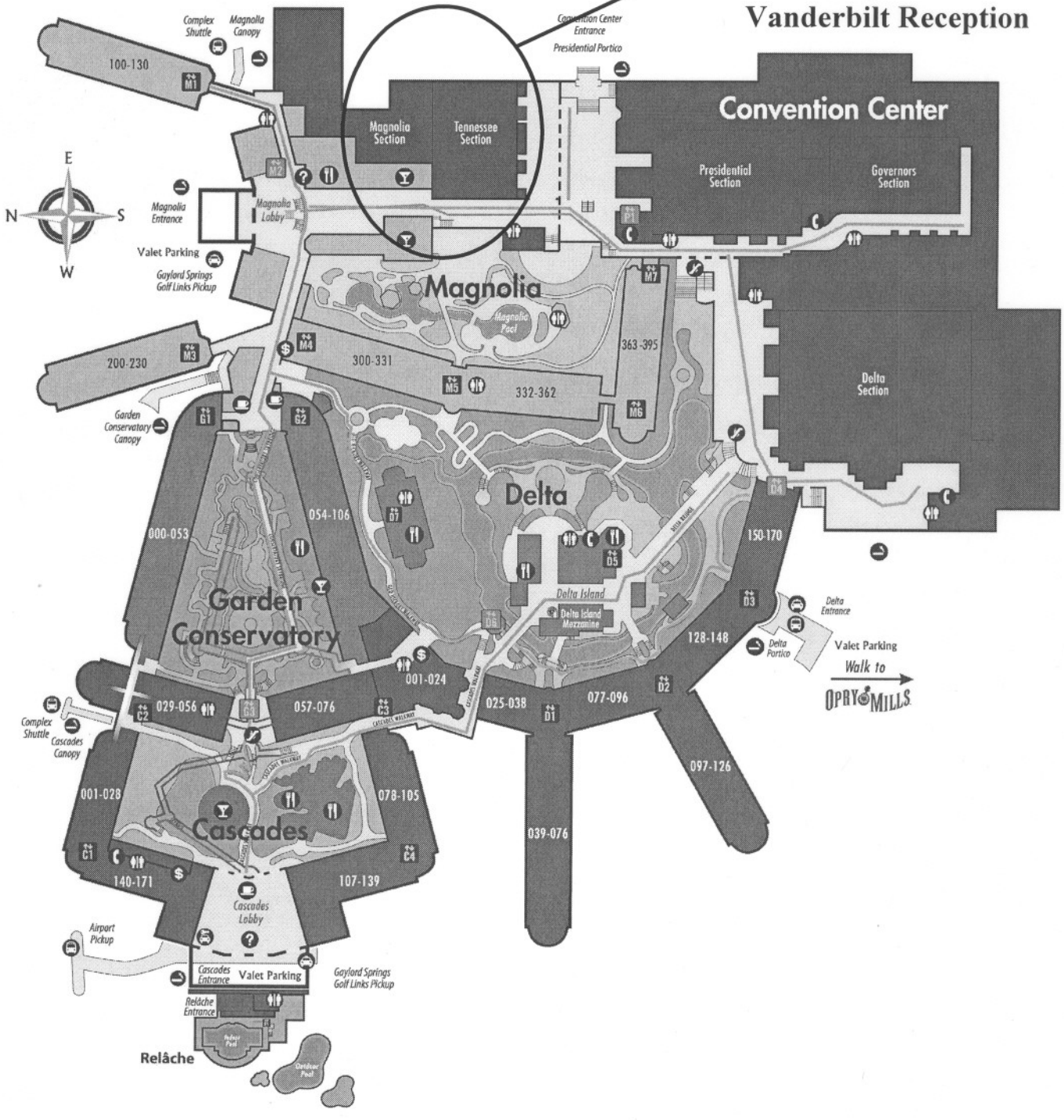
CogSci 2007

Wednesday
August 1

Tutorials
Workshops
Vanderbilt Reception



CogSci 2007

Wednesday
August 1

Convention Center

M
2
0

Level M

MEZZANINE

Tutorial 2 (Quantum)

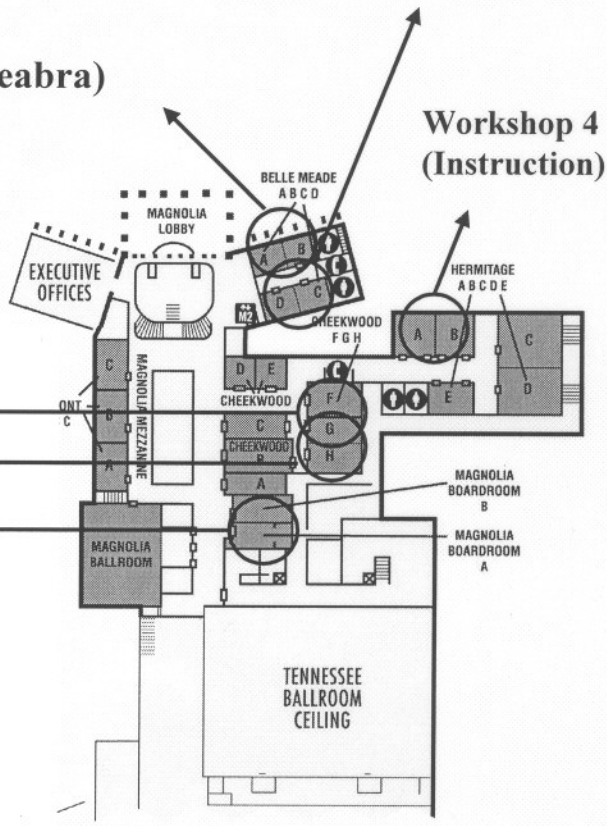
Tutorial 1 (Leabra)

Workshop 4 (Instruction)

Tutorial 3 (Soar)

Tutorial 4 (ACT-R)

Executive Board Meeting (Boardroom A)



Convention Center

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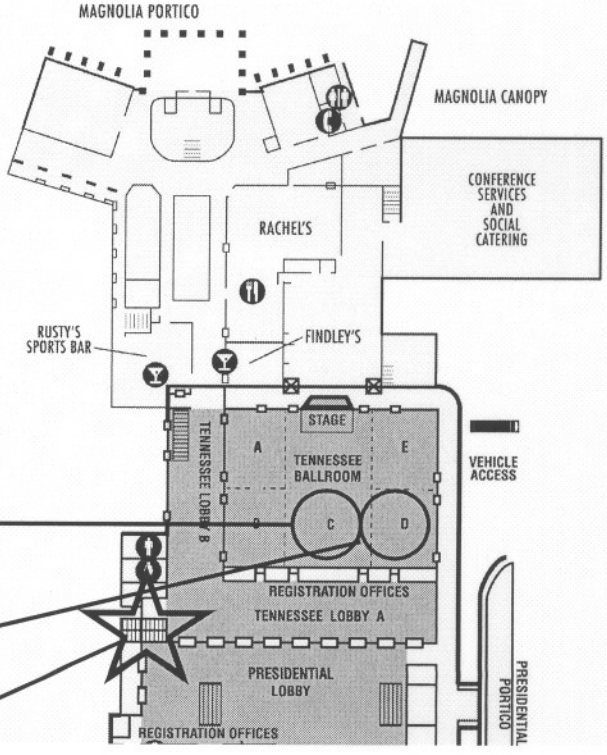
Level 2

Workshop 1 (Language)

Workshop 3 (Culture)

Stairs down to Workshop 2 (Analogies)



CogSci 2007
Wednesday
August 1

CONVENTION CENTER

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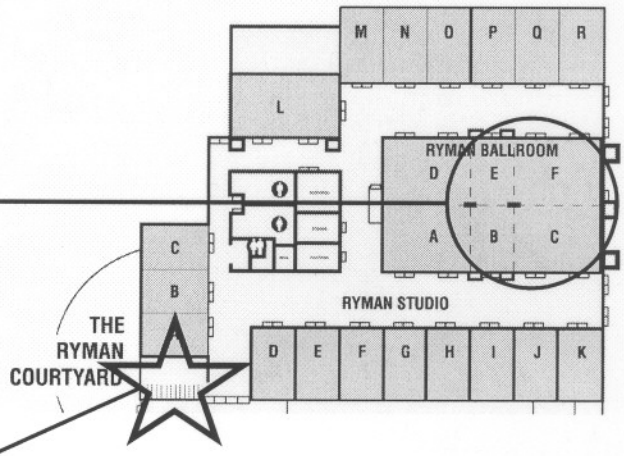
LEVEL 0

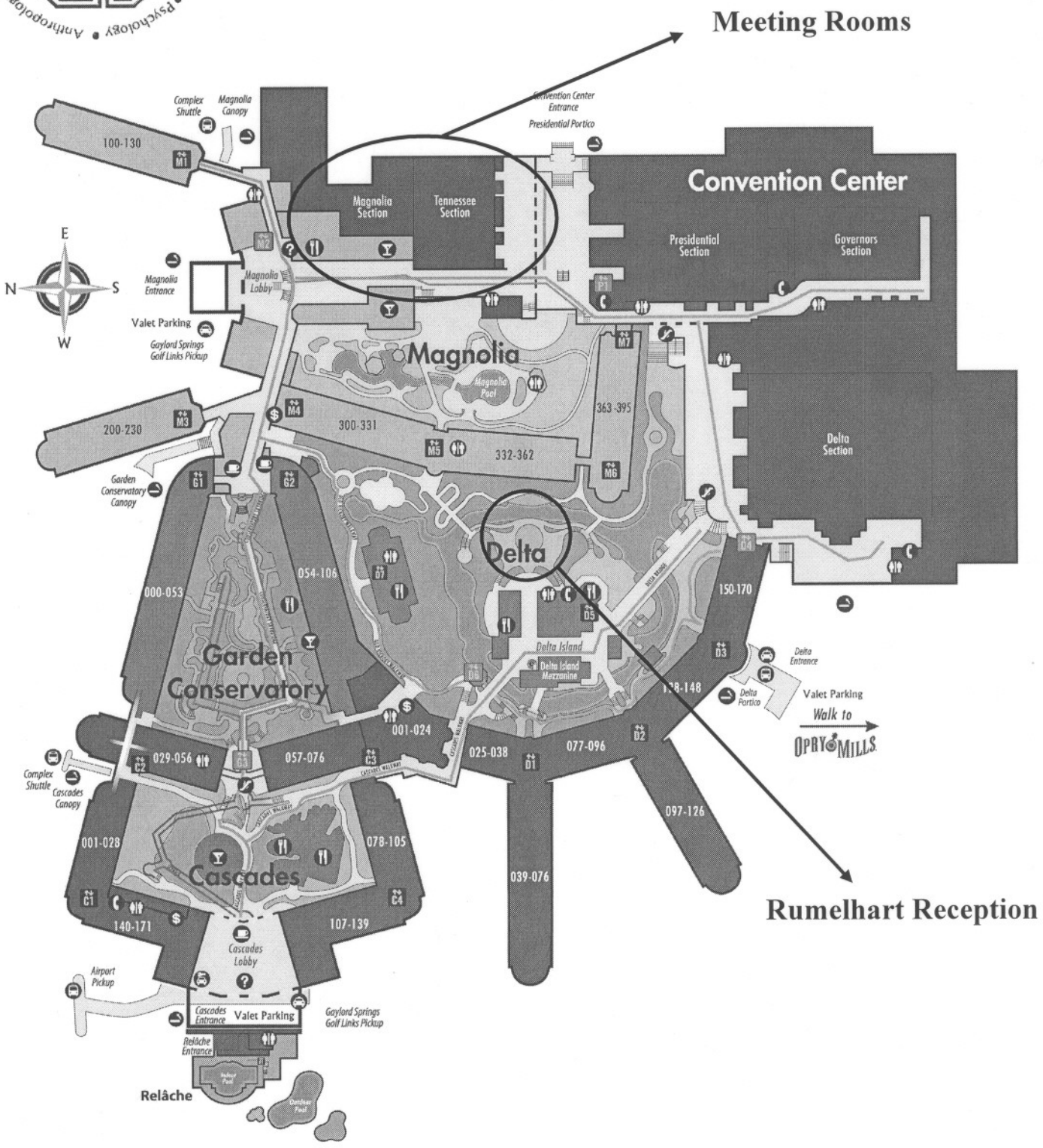
Workshop 2 (Analogies)



Stairs up to Tennessee Ballroom

CogSci 2007

Thursday-Saturday
August 2-4



CogSci 2007

Thursday-Saturday
August 2-4

Convention Center

M 2 0

Level M

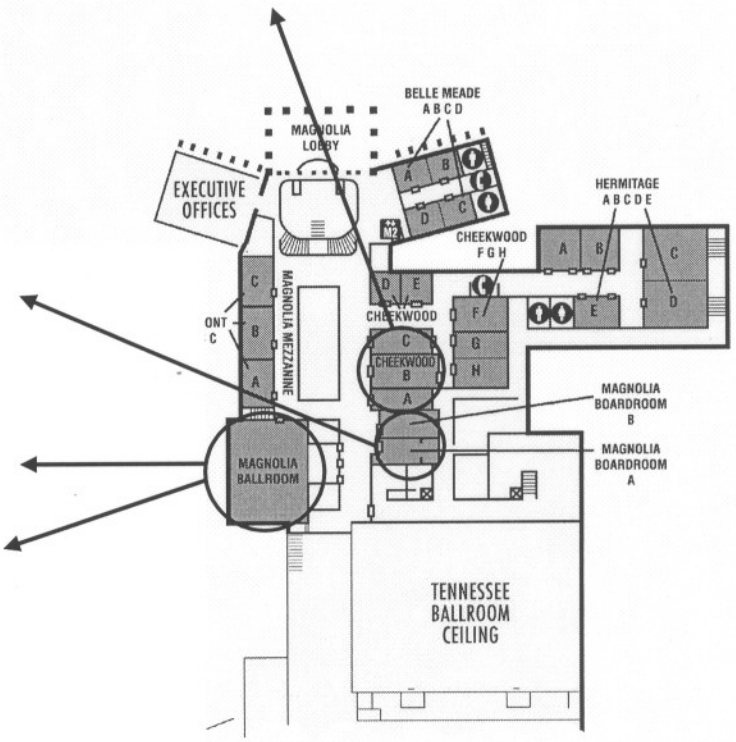
MEZZANINE

Governing Board Lunch Meetings and Fellows Committee Meeting (Boardroom B)

Symposium Track

Business Meeting (Saturday morning)

Track 2



Convention Center

M 2 0

Level 2

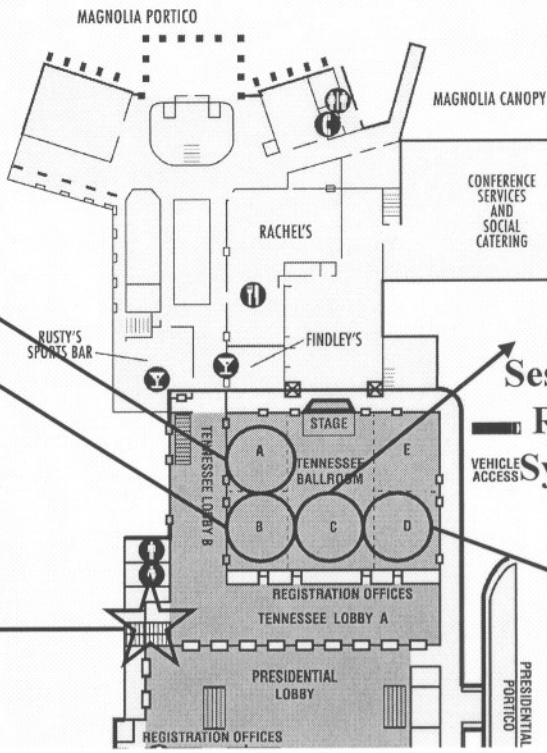
Track 3

Track 4

Stairs to Poster Sessions

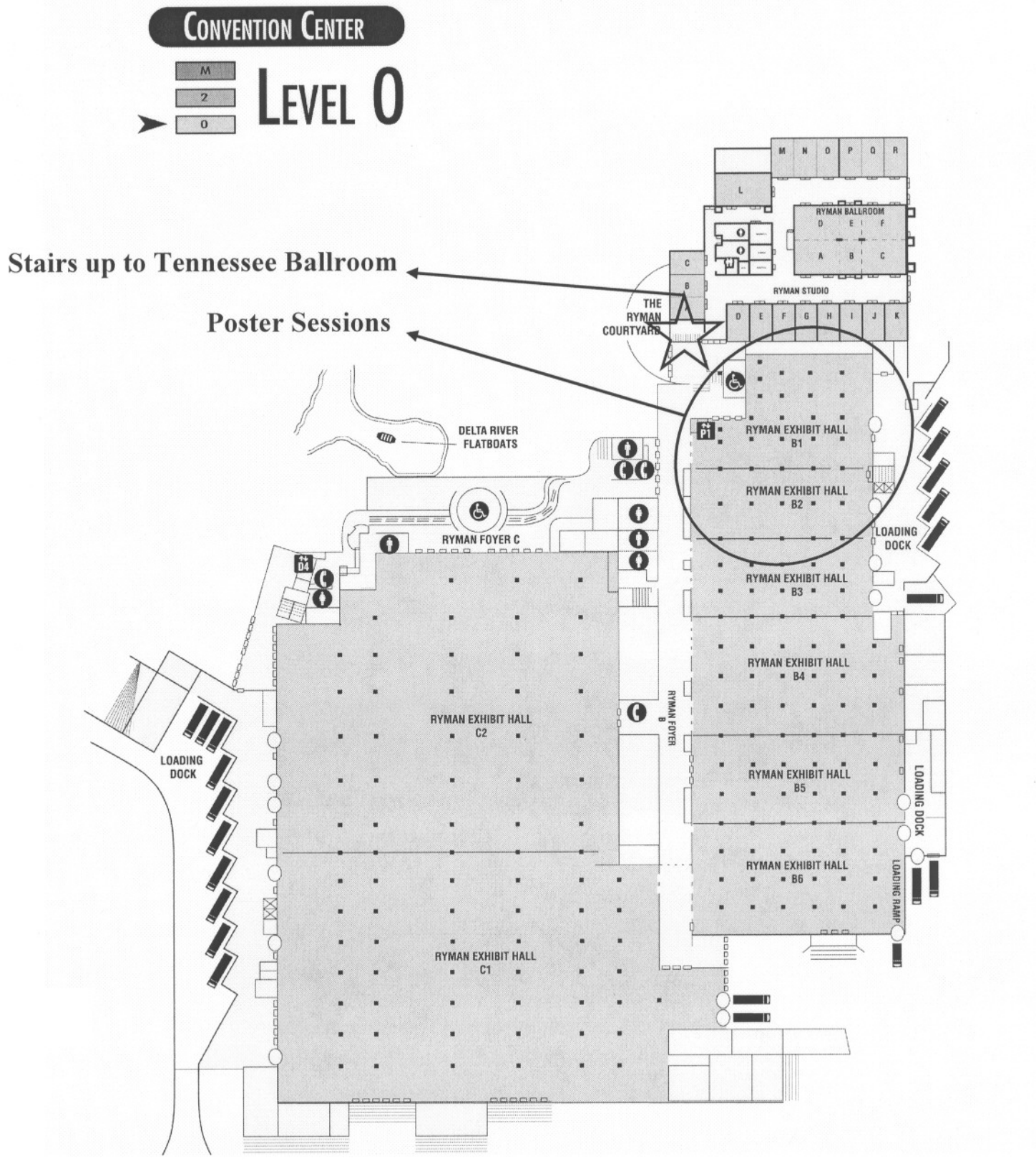
Plenary Sessions and Rumelhart Symposium

Track 5



CogSci 2007

Thursday-Saturday
August 2-4



Day-At-A-Glance

Wednesday, August 1, 2007 Workshops				
8:00 am- 2:00 pm	Registration - **Tennessee Lobby Registration Desk**			
830 – 10:00 am	Psychocomputational Models of Human Language Acquisition **Tennessee Ballroom C**	Analogies: Integrating Multiple Cognitive Abilities **Ryman BCEF**	Cognition and Culture **Tennessee Ballroom D**	Interactive Computer-Based Activities for Undergraduate Cog Sci Instruction **Hermitage AB**
10:00 – 10:30 am	Coffee Break - **Tennessee Lobby**			
10:30 am- 12:00 pm	Psychocomputational Models of Human Language Acquisition **Tennessee Ballroom C**	Analogies: Integrating Mult. Cognitive Abilities **Ryman BCEF**	Cognition and Culture **Tennessee Ballroom D**	Interactive Computer-Based Activities for Undergraduate Cog Sci Instruction **Hermitage AB**
12:45 – 1:30 pm	Lunch on your own			
1:30 – 3:00 pm	Psychocomputational Models of Human Language Acquisition **Tennessee Ballroom C**	Analogies: Integrating Mult. Cognitive Abilities **Ryman BCEF**	Cognition and Culture **Tennessee Ballroom D**	Interactive Computer-Based Activities for Undergraduate Cog Sci Instruction **Hermitage AB**
3:00 – 3:30 pm	Coffee Break - **Tennessee Lobby**			
3:30 – 5:00 pm	Psychocomputational Models of Human Language Acquisition **Tennessee Ballroom C**	Analogies: Integrating Mult. Cognitive Abilities **Ryman BCEF**	Cognition and Culture **Tennessee Ballroom D**	Interactive Computer-Based Activities for Undergraduate Cog Sci Instruction **Hermitage AB**
Tutorials				
8:00 am- 2:00 pm	Registration - **Tennessee Lobby Registration Desk**			
8:30 – 10:00 am	Comp Cognitive Neuroscience Modeling Using Leabra In PDP++ **Belle Meade AB**	Quantum Information Processing Theory **Belle Meade CD**	Soar **Cheekwood G**	
10:00 - 10:30 am	Coffee Break - **Tennessee Lobby**			
10:30 am- 12:00 pm	Comp Cognitive Neuroscience Modeling Using Leabra In PDP++ **Belle Meade AB**	Quantum Information Processing Theory **Belle Meade CD**	Soar **Cheekwood G**	
12:45 - 1:30 pm	Lunch on your own			
1:30 – 3:00 pm	Comp Cognitive Neuroscience Modeling Using Leabra In PDP++ **Belle Meade AB**	Quantum Information Processing Theory **Belle Meade CD**	Soar **Cheekwood G**	ACT-R **Cheekwood H**
3:00 – 3:30 pm	Coffee Break - **Tennessee Lobby**			
3:30 – 5:00 pm	Comp Cognitive Neuroscience Modeling Using Leabra In PDP++ **Belle Meade AB**	Quantum Information Processing Theory **Belle Meade CD**	Soar **Cheekwood G**	ACT-R **Cheekwood H**
4:00 – 6:30 pm	Delegate packet pick up - **Tennessee Lobby Registration Desk**			
6:30 – 9:00 pm	Vanderbilt Reception - Everyone is invited!! **Tennessee Ballroom C**			

Thursday, August 2, 2007 Meeting Schedule					
8:00 am-2:00 pm	Registration - **Tennessee Lobby Registration Desk**				
8:30-9:00 am	Opening Remarks – **Tennessee Ballroom C**				
9:00-10:00 am	Session 8-02-1: Plenary Talk Statistical Semantic Representations *Walter Kintsch* **Tennessee Ballroom C**				
10:00 - 10:30 am	Coffee Break and Exhibits - **Tennessee Lobby**				
10:30 am-12:00 pm	Session 8-02-2A: Symposium - Making Extra- and Intra-Disciplinary Collaboration Work **Magnolia Ballroom**	Session 8-02-2B: Emotion **Cheekwood ABC**	Session 8-02-2C: Language Understanding I **Tennessee Ballroom A**	Session 8-02-2D: Memory and Learning **Tennessee Ballroom B**	Session 8-02-2E: Visual Perception **Tennessee Ballroom D**
12:00 - 1:30 pm	Lunch on your own				
1:30 – 3:00 pm	Session 8-02-3A: Symposium - Fostering Transfer of Knowledge in Education Settings **Magnolia Ballroom**	Session 8-02-3B: Symposium- Cognitive Science in the Design of Graphical Images and Interfaces **Cheekwood ABC**	Session 8-02-3C: Language Models **Tennessee Ballroom A**	Session 8-02-3D: Math Cognition **Tennessee Ballroom B**	Session 8-02-3E: Situated and Embodied Cognition; Robotics **Tennessee Ballroom D**
3:00 – 3:30 pm	Coffee Break and Exhibits - **Tennessee Lobby** Registration - **Tennessee Lobby Registration Desk**				
3:30 – 5:00 pm	Session8-02-4A: Symposium - Cognitive Decision Theory: Developing Models of Real-World Decision Behavior **Magnolia Ballroom**	Session 8-02-4B: Meaning Representation **Cheekwood ABC**	Session 8-02-4C: Language Acquisition **Tennessee Ballroom A**	Session 8-02-4D: Learning and Instruction **Tennessee Ballroom B**	Session 8-02-4E: Visual Perception and Learning **Tennessee Ballroom D**
5:00 – 5:30 pm	Coffee Break and Exhibits - **Tennessee Lobby** Registration - **Tennessee Lobby Registration Desk**				
5:30 – 6:30 pm	Session 8-02-5: Heineken Plenary Talk The Image of Complexity *John R. Anderson* 2006 Heineken Prize Winner **Tennessee Ballroom C**				
7:00 – 9:00 pm	Reception and Poster Session I **Ryman Exhibit Hall B1/B2**				

Friday, August 3, 2007

Meeting Schedule

8:00 - 10:30 am	Registration - **Tennessee Lobby Registration Desk**				
9:00-10:00 am	Session 8-03-1: Plenary Talk Is Cognitive Science the Right Method for AI? *John Laird* **Tennessee Ballroom C**				
10:00 - 10:30 am	Coffee Break and Exhibits - **Tennessee Lobby**				
10:30 am-12:00 pm	Session 8-03-2A: Symposium - Semantics in the Wild **Magnolia Ballroom**	Session 8-03-2B: Theories of Mind **Cheekwood ABC**	Session 8-03-2C: Perception **Tennessee Ballroom A**	Session 8-03-2D: Automated Instruction **Tennessee Ballroom B**	Session 8-03-2E: Speech Perception **Tennessee Ballroom D**
12:00 - 1:30 pm	Lunch on your own				
1:30 – 3:00 pm	Session 8-03-3A: Symposium - Cognitive Science and Student Learning in the Classroom **Magnolia Ballroom**	Session 8-03-3B: Language and Conceptual Understanding **Cheekwood ABC**	Session 8-03-3C: Decision Making and Reasoning **Tennessee Ballroom A**	Session 8-03-3D: Multimodal Processing **Tennessee Ballroom B**	
3:00 – 3:30 pm	Coffee Break and Exhibits - **Tennessee Lobby** Registration – **Tennessee Lobby Registration Desk**				
3:30 – 5:00 pm	Session 8-03-4A: Symposium – Gray Matters: Philosophical Thoughts on the Cognitive Neurosciences **Magnolia Ballroom**	Session 8-03-4B: Conceptual Learning **Cheekwood ABC**	Session 8-03-4C: Language Understanding II **Tennessee Ballroom A**	Session 8-03-4D: Problem Solving **Tennessee Ballroom B**	Session 8-03-4E: Word Learning **Tennessee Ballroom D**
5:00 – 5:30 pm	Coffee Break and Exhibits - **Tennessee Lobby** Registration – **Tennessee Lobby Registration Desk**				
5:30 – 6:30 pm	Session 8-03-5: Rumelhart Award Talk On Dinosaur Bones and the Meaning of Words *Jeff Elman* 2007 Rumelhart Prize Winner **Tennessee Ballroom C**				
6:30- 7:00 pm	Rumelhart Reception - **Delta Island Atrium**				
7:00 – 9:00 pm	Reception and Poster Session II **Ryman Exhibit Hall B1/B2**				

Saturday, August 4, 2007

Meeting Schedule

8:30 – 9:30 am	Registration – **Tennessee Lobby Registration Desk**				
9:30 - 10:30 am	Society Business Meeting- All Members Welcome! - **Magnolia Ballroom**				
10:30 am- 12:00 pm	Session 8-04-1A: Rumelhart Symposium - Language as a Dynamical System: In Honor of Jeff Elman **Tennessee Ballroom C**	Session 8-04-1D: Decision Making I **Cheekwood ABC**	Session 8-04-1E: Attention and Memory **Tennessee Ballroom A**		
12:00 - 1:30 pm	Lunch on your own				
1:30 – 3:00 pm	Session 8-04-2A: Symposium - Using Cognitive Science to Improve Reading Instruction and Reading Comprehension in School-Aged Learners **Magnolia Ballroom**	Session 8-04-2B: Symposium-Immediate Interactive Behavior- How Embodied and Embedded Cognition Uses and Changes the World to Achieve its Goals **Cheekwood ABC**	Session 8-04-2C: Concepts and Categories **Tennessee Ballroom A**	Session 8-04-2E: Spatial Orientation **Tennessee Ballroom B**	
3:00 – 3:30 pm	Coffee Break and Exhibits - **Tennessee Lobby**				
3:30 – 5:00 pm	Session 8-04-3A: Symposium - When Social and Cognitive Perspectives Blur: The Case of Developing Expertise in Science and Engineering **Magnolia Ballroom**	Session 8-04-3B: Spatial Cognition and Embodiment **Cheekwood ABC**	Session 8-04-3C: Text Comprehension **Tennessee Ballroom A**	Session 8-04-3D: Decision Making II **Tennessee Ballroom B**	Session 8-04-3E: Development and Objects **Tennessee Ballroom D**
5:00 – 5:30 pm	Coffee Break and Exhibits- **Tennessee Lobby**				
5:30 – 7:00 pm	Session 8-04-4A: Symposium - Complex Systems and the Cognitive Sciences: Potential for Pervasive Theoretical and Research Implications? **Magnolia Ballroom**	Session 8-04-4B: Spatial Cognition **Cheekwood ABC**	Session 8-04-4D: Causal Reasoning **Tennessee Ballroom A**	Session 8-04-4E: Learning and Memory **Tennessee Ballroom B**	
7:00 _ 9:00 pm	Reception and Poster Session III **Ryman Exhibit Hall B1/B2**				

CogSci 2007 Main Program Information

Aug 1, 2007. Wednesday

Aug 1, 2007. 8:00AM - 2:00PM

Registration – Delegate Packet pick-up	***Tennessee Lobby Registration Desk***

Tutorial and Workshop Programs (Chairs: Mike Schoelles and Katja Wiemer-Hastings)

Aug 1, 2007. 8:30AM-5:00PM

Workshop 1: Psychocomputational Models of Human Language Acquisition	*Organizer: William Gregory Sakas* ***Tennessee Ballroom C***
Workshop 2: Analogies: Integrating Multiple Cognitive Abilities	*Organizers: Angela Schwering, Ulf Krumnack, Kai-Uwe Kuehnberger, and Helmar Gust* ***Ryman BCEF***
Workshop 3: Cognition and Culture	*Organizer: Afzal Upal* ***Tennessee Ballroom D***
Workshop 4: Interactive Computer-Based Activities for Undergraduate Cog Sci Instruction: Training in their Use & Exploring Future Directions in their Development and Dissemination	*Organizer: David L. Anderson* ***Hermitage AB***

Aug 1, 2007. 8:30AM-5:00PM

Tutorial 1 (Full-day): Computational Cognitive Neuroscience Modeling Using Leabra In PDP++	*Presenter: David C. Noelle* ***Belle Meade AB***
Tutorial 2 (Full-day): Quantum Information Processing Theory	*Presenters: Jerome R. Busemeyer and Zheng Wang* ***Belle Meade CD***
Tutorial 3 (Full-day): Soar	*Presenter: John Laird* ***Cheekwood G***

Aug 1, 2007. 1:30PM-5:00PM

Tutorial 4 (Half-day): ACT-R	*Presenters: Niels Taatgen and Hedderik van Rijn* ***Cheekwood H***

Aug 1, 2007. 4:00PM-6:30PM

Delegate Packet pick-up	***Tennessee Lobby Registration Desk***

Aug 1, 2007. 6:30PM-9:00PM

Vanderbilt Reception: Everyone is Invited!	***Tennessee Ballroom C***

Aug 2, 2007. Thursday

Aug 2, 2007. 8:00AM-2:00PM; 3:00-3:30PM, 5:00-5:30PM

Registration	***Tennessee Lobby Registration Desk***

Aug 2, 2007. 8:30AM-9:00AM

Opening Remarks (Chairs: Danielle McNamara & Greg Trafton)	***Tennessee Ballroom C***

Aug 2, 2007. 9:00AM-10:00AM

Session 8-02-1: Plenary Talk (Chair: Danielle McNamara)	***Tennessee Ballroom C***
Statistical Semantic Representations	*Walter Kinstch*

Aug 2, 2007. 10:00AM-10:30AM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 2, 2007. 10:30AM-12:00PM

Session 8-02-2A: Symposium (Chair: Thomas Palmeri)	***Magnolia Ballroom***
Making Extra- and Intra-Disciplinary Collaboration Work	*Thomas J. Palmeri, Isabel Gauthier, Christian Schunn, John T. Bruer, James L. McClelland, Robert L. Goldstone*

Session 8-02-2B: Emotion (Chair: Art Graesser)	***Cheekwood ABC***
Monitoring Affective Trajectories during Complex Learning	*Sidney D'Mello, Roger Taylor, Art Graesser*
Facial Features for Affective State Detection in Learning Environments	*Bethany McDaniel, Sidney D'Mello , Brandon King, Patrick Chipman, Kristy Tapp, Art Graesser*
Computational Modeling of Mood and Feeling from Emotion	*Robert Marinier, John Laird*
Anger in a Just World? The Impact of Cultural Concepts on Cognition and Emotion	*Andrea Bender, Hans Spada, Hannah Swoboda, Simone Traber, Karsten Rauss*

Session 8-02-2C: Language Understanding I (Chair: Chris Conway)	***Tennessee Ballroom A***
A Subsymbolic Model of Language Pathology in Schizophrenia	*Uli Grasemann, Risto Miikkulainen, Ralph Hoffman*
Individual Differences and the Impact of Forward and Backward Causal Relations	*Stephen Briner, Christopher Kurby, Danielle McNamara*
Do Ducks Lay Eggs? How People Interpret Generic Assertions	*Sangeet Khemlani, Sarah-Jane Leslie, Sam Glucksberg, Paula Fernandez*
Neural Responses to Structural Incongruencies in Language and Statistical Learning Point to Similar Underlying Mechanisms	*Morten Christiansen, Christopher Conway, Luca Onnis*

Session8-02-2D: Memory and Learning (Chair: Lisa Haverty)	***Tennessee Ballroom B***
What is the Trouble with Transfer?	*John Opfer, Clarissa Thompson*
What Did that $2.5 Million Ad Buy Us? Cognitive Science Goes to the Super Bowl.	*Lisa Haverty, Stephen Blessing*
Surprise, Surprise: The Role of Surprising Numerical Feedback in Belief Change	*Edward Munnich, Michael Ranney, Mirian Song*
Effects of Visual and Phonological Distinctiveness	*Jeremy Quayle, Linden Ball*

Session 8-02-2E: Visual Perception (Chair: Mike Mozer)	***Tennessee Ballroom D***
Color Naming is Near Optimal	*Terry Regier, Paul Kay, Naveen Khetarpal*
Are Eye Movements Involved in Cued Target Recall from Repeating Spatial Contexts?	*Christopher Myers, Wayne Gray*
How Chromaticity Guides Visual Search in Real-World Scenes	*Alex Hwang, Emily Higgins, Marc Pomplun*
Top-down Modulation of Neural Responses in Visual Perception: A Computational Exploration	*Michael Mozer, Adrian Fan*

Aug 2, 2007. 12:00PM-1:30PM

Lunch (on your own)

Aug 2, 2007. 1:30PM-3:00PM

Session 8-02-3A: Symposium (Chair: Liz Albro)	***Magnolia Ballroom***
Fostering Transfer of Knowledge in Education Settings	*David Uttal, Jennifer Kaminski, Bethany Rittle-Johnson, Rob Goldstone*

Session 8-02-3B: Symposium (Chair: Brian Fisher)	***Cheekwood ABC***
Cognitive Science in the Design of Graphical Images and Interfaces	*Brian Fisher, W. Bradford Paley, Zenon Pylyshyn, Ronald A. Rensink, Barbara Tversky*

Session 8-02-3C: Language Models (Chair: Joshua Tenenbaum)	***Tennessee Ballroom A***
Hypothesis Testing and Associative Learning in Cross-Situational Word Learning: Are They One and the Same?	*Chen Yu, Linda Smith, Richard Shiffrin*
Comparing Semantic Space Models Using Child-Directed Speech	*Brian Riordan, Michael Jones*
Distributional Statistics and Thematic Role Relationships	*Jon Willits, Sidney D'Mello , Nicholas Duran, Andrew Olney*
Modeling Human Performance in Statistical Word Segmentation	*Michael Frank, Sharon Goldwater, Vikash Mansinghka, Tom Griffiths, Joshua Tenenbaum*

Session 8-02-3D: Math Cognition (Chair: John Opfer)	***Tennessee Ballroom B***
The Alignment of Ordering and Space in Arithmetic Computation ***2007 Marr Prize for Best Student Paper**	*David Landy, Robert L. Goldstone*
Peer Instruction as a Way of Promoting Spontaneous Use of Diagrams	*Yuri Uesaka, Emmanuel Manalo*
A Case Study in Computational Math Cognition and Embodied Arithmetic	*Albert Goldfain*
How Space Guides Interpretation of a Novel Mathematical System	*David Landy, Robert Goldstone*

Session 8-02-3E: Situated and Embodied Cognition; Robotics (Chair: Pat Langley)	***Tennessee Ballroom D***
An Embodied Model for Higher-Level Cognition	*Guilherme Bittencourt*
Cognitive Robotics, Enactive Perception, and Learning in the Real World	*Anthony Morse, Tom Ziemke*
Modeling Visual Classification using Bottom-up and Top-Down Fixation	*Joyca Lacroix, Eric Postma, Jaap Van den Herik*
Varieties of Problem Solving in a Unified Cognitive Architecture	*Pat Langley*

Aug 2, 2007. 3:00PM-3:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 2, 2007. 3:30PM-5:00PM

Session 8-02-4A: Symposium (Chair: Timothy Pleskac)	***Magnolia Ballroom***
Cognitive Decision Theory: Developing Models of Real-World Decision Behavior	*Michael R. Dougherty, Jörg Rieskamp, Josh Tenenbaum, Jerome Busemeyer, Timothy J. Pleskac*

Session 8-02-4B: Meaning Representation (Chair: Simon Dennis)	***Cheekwood ABC***
Incorporating Connotation of Meaning into Models of Semantic Representation: An Application in Text Corpus Analysis	*Shane Mueller, Richard Shiffrin*
The Dimensionality of Language	*Isidoros Doxas, Simon Dennis, William Oliver*
SNIF-ACT: A Cognitive Model of User Navigation on the World Wide Web	*Wai-Tat Fu, Peter Pirolli*
Using LSA Semantic Fields to Predict Eye Movement on Web Pages	*Ben Stone, Simon Dennis*

Session 8-02-4C: Language Acquisition (Chair: Howard Nusbaum)	***Tennessee Ballroom A***
Surprise in the Learning of Color Words	*Michael Ramscar, Kirsten Thorpe, Katie Denny*
Complex Acoustic Pattern Learning in Songbirds and Humans	*Kimberly Fenn, Timothy Brawn, Timothy Gentner, Daniel Margoliash, Howard Nusbaum*
Indirect Evidence and the Poverty of the Stimulus: The Case of Anaphoric "One"	*Stephani Foraker, Terry Regier, Naveen Khetarpal, Amy Perfors, Joshua B. Tenenbaum*
Meaning Matters In Children's Plural Productions	*Jennifer Zapf, Linda Smith*

Session 8-02-4D: Learning and Instruction (Chair: Naomi Miyake)	***Tennessee Ballroom B***
Information Pooling and Processing in Group Problem Solving: Analysis and Promotion of Collaborative Inferences from Distributed Information	*Anne Meier, Hans Spada*
Individual Differences in Comprehension Monitoring Ability during Reading	*Christopher Kurby, Yasuhiro Ozuru, Danielle McNamara*
External Regulating Agents' Adaptive Content and Process Scaffolding: The Key to Fostering Mental Model Development during Hypermedia Learning	*Roger Azevedo, Daniel Moos, Jeffrey Greene*
Developing Question Asking Skills through Collaboration	*Naomi Miyake, Kaname Shiga, Hajime Shirouzu*

Session 8-02-4E: Visual Perception and Learning (Chair: Aude Oliva)	***Tennessee Ballroom D***
Simulating Conceptually-Guided Perceptual Learning	*Alexander Gerganov, Maurice Grinberg, Paul Quinn, Robert Goldstone*
Two Views of the World: Active Vision in Real-World Interaction	*Chen Yu, Linda Smith, Mark Christensen, Alfredo Pereira*
Spatial Constraints on Visual Statistical Learning of Multi-Element Scenes	*Christopher Conway, Robert Goldstone, Morten Christiansen*
Normative Representation of Objects: Evidence for an Ecological Bias in Object Perception and Memory	*Talia Konkle, Aude Oliva*

Aug 2, 2007. 5:00PM-5:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 2, 2007. 5:30PM-6:30PM

Session 8-02-5: Heineken Plenary Talk (Chair: Wayne Gray)	***Tennessee Ballroom C***
The Image of Complexity	*John R. Anderson* *2006 Heineken Prize Winner*

Aug 2, 2007. 7:00PM-9:00PM

Reception and Poster Session I	***Ryman Exhibit Hall B1/B2***

Aug 3, 2007. Friday

Aug 3, 2007. 8:00AM-10:30 AM; 3:00-3:30PM, 5:00-5:30PM

Registration	***Tennessee Lobby Registration Desk***

Aug 3, 2007. 9:00AM-10:00AM

Session 8-03-1: Plenary Talk (Chair: Greg Trafton)	***Tennessee Ballroom C***
Is Cognitive Science the Right Method for AI?	*John Laird*

Aug 3, 2007. 10:00AM-10:30AM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 3, 2007. 10:30AM-12:00PM

Session 8-03-2A: Symposium (Chair: Bob Glushko)	***Magnolia Ballroom***
Semantics in the Wild	*Robert Glushko, Paul Maglio, Teenie Matlock, Lawrence Barsalou*

Session 8-03-2B: Theories of Mind (Chair: William Bechtel)	***Cheekwood ABC***
Massive Redeployment and the Evolution of Cognition	*Michael Anderson*
The Principle of Charity in Interpreting Scientific Theory: A Meta-Theoretical Polemic against Theoretical Polemics	*Walter Schroyens*
Multimodal Abduction. External Semiotic Anchors and Hybrid Representations	*Lorenzo Magnani*
Mental Mechanisms, Autonomous Systems, and Moral Agency	*William Bechtel, Adele Abrahamsen*

Session 8-03-2C: Perception (Chair: Garrison Cottrell)	***Tennessee Ballroom A***
Information Attracts Attention: A Probabilistic Account of the Cross-Race Advantage in Visual Search	*Lingyun Zhang, Matthew Tong, Garrison Cottrell*
A Behavioral and Computational Integration of Phonological, Short-Term Memory, and Vocabulary Acquisition Processes in Nonword Repetition	*Brandon Abbs, Prahlad Gupta, J. Bruce Tomblin, John Lipinski*
NIMBLE: A Kernel Density Model of Saccade-Based Visual Memory	*Luke Barrington, Tim Marks, Garrison Cottrell*
Computational Explorations of Split Architecture in Modeling Face and Object Recognition	*Janet Hui-wen Hsiao, Danke Shieh, Garrison Cottrell*

Session 8-03-2D: Automated Instruction (Chair: Richard Catrambone)	***Tennessee Ballroom B***
Social Reflex Hypothesis on Blinking Interaction	*Yuichiro Yoshikawa, Kazuhiko Shinozawa, Hiroshi Ishiguro*
Assessing Student Self-Explanations in an Intelligent Tutoring System	*Vasile Rus, Philip McCarthy, Mihai Lintean, Arthur Graesser, Danielle McNamara*
Do Learning by Teaching Environments with Metacognitive Support Help Students Develop Better Learning Behaviors?	*Gautam Biswas, John Wagster, Jason Tan, Yanna Wu, Daniel Schwartz*
Social Facilitation Effects of Virtual Humans	*Sung Park, Richard Catrambone*

Session 8-03-2E: Speech Perception (Chair: Thomas Griffiths)	***Tennessee Ballroom D***
Links between Implicit Learning of Sequential Patterns and Spoken Language Processing	*Christopher Conway, David Pisoni*
Shifting Categories: An Exemplar-Based Computational Model of Chain Shifts	*Marc Ettlinger*
Speed Accommodation in Context: Context Modulation of the Effect of Speech Rate on Response Speed	*Hadas Shintel, Howard Nusbaum*
A Rational Account of the Perceptual Magnet Effect	*Naomi Feldman, Thomas Griffiths*

Aug 3, 2007. 12:00PM-1:30PM

Lunch (on your own)

Aug 3, 2007. 1:30PM-3:00PM

Session 8-03-3A: Symposium (Chair: Liz Albro)	***Magnolia Ballroom***
Cognitive Science and Student Learning in the Classroom	*Gautam Biswas, Shana Carpenter, Mari Strand Cary, Art Graesser*

Session 8-03-3B: Language and Conceptual Understanding (Chair: Boicho Kokinov)	***Cheekwood ABC***
Learning to Understand Figurative Language: From Similes to Metaphors to Irony	*Tony Veale, Yanfen Hao*
How Language Affects Thought in a Connectionist Model	*Katia Dilkina, James McClelland, Lera Boroditsky*
Can Language be Replaced? Physical Representations of Relations Instead of Language Labels in Relational Mapping: Do They Help Young Children?	*Milena Mutafchieva, Boicho Kokinov*

Session 8-03-3C: Decision Making and Reasoning (Chair: Ken Forbus)	***Tennessee Ballroom A***
Heuristics in Multi-attribute Decision Making: Effects of Representation Format	*Georg Jahn, Frank Renkewitz, Sonja Kunze*
Accounting for Some of the Flexibility of Moral Value-Driven Judgment	*Daniel Bartels*
Analogy with Qualitative Spatial Representations Can Simulate Solving Raven's Progressive Matrices	*Andrew Lovett, Kenneth Forbus, Jeffrey Usher*

Session 8-03-3D: Mulitmodal Processing (Chair: Vladimir Sloutsky)	***Tennessee Ballroom B***
Visual Statistical Learning: Getting Some Help from the Auditory Modality	*Chris Robinson, Vladimir Sloutsky*
Integrating Visual and Verbal Knowledge During Classroom Learning with Computer Tutors	*Kirsten Butcher, Vincent Aleven*
Agents and Affordances: Listeners Look for What They Don't Hear	*Caitlin M. Fausey, Teenie Matlock, Daniel C. Richardson*
Auditory Dominance: Overshadowing or Response Competition?	*Chris Robinson, Vladimir Sloutsky*

Aug 3, 2007. 3:00PM-3:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 3, 2007. 3:30PM-5:00PM

Session 8-03-4A: Symposium (Chair: Sara Waller)	***Magnolia Ballroom***
Gray Matters: Philosophical Thoughts on the Cognitive Neurosciences	*Sara Waller, Chris Meyers, Peter Whitehouse*

Session 8-03-4B: Conceptual Learning (Chair: Michael Schoelles)	***Cheekwood ABC***
Rules and Exemplars in Categorization: A Computational Exploration	*Duncan Brumby, Ulrike Hahn*
A Rational Analysis of Rule-based Concept Learning	*Noah Goodman, Thomas Griffiths, Jacob Feldman, Joshua Tenenbaum*
Unifying Rational Models of Categorization via the Hierarchical Dirichlet Process	*Thomas Griffiths, Kevin Canini, Adam Sanborn, Dan Navarro*
Categorization and Reinforcement Learning: State Identification in Reinforcement Learning and Network Reinforcement Learning	*Vladislav Veksler, Wayne Gray, Michael Schoelles*

Session 8-03-4C: Language Understanding II (Chair: Peter Slezak)	***Tennessee Ballroom A***
Psychological Reality of Grammars	*Peter Slezak*
The Object-Relation Continuum in Language	*Michele Feist, Paula Cifuentes Férez*
Discovering Syntactic Hierarchies	*Virginia Savova, Daniel Roy, Lauren Schmidt, Joshua Tenenbaum*
Individual Differences in Linguistic Experience Influence Children's Processing of Complex Sentences: New Evidence from a New Technique	*Sarah Cargill, Thomas Farmer, Jennifer Schwade, Michael Goldstein, Michael Spivey*

Session 8-03-4D: Problem Solving (Chair: Roger Azevedo)	***Tennessee Ballroom B***
Factors Mediating the Success of Observation-Based Problem Solving	*Magda Osman*
Goal Framing Predicts Strategy Revision: When and Why Negotiators Reach Integrative Agreements	*Jeffrey Loewenstein, Jeanne Brett*
The Impact of Explicit Strategy Instruction on Problem-solving Behaviors across Intelligent Tutoring Systems	*Min Chi, Kurt VanLehn*
Expert-Novice Differences in Mammogram Interpretation	*Roger Azevedo, Sonia Faremo, Susanne Lajoie*

Session 8-03-4E: Word Learning (Chair: Ping Li)	***Tennessee Ballroom D***
Infants Rapidly Learn Word-Referent Mappings via Cross-Situational Statistics	*Linda Smith, Chen Yu*
Getting the Gist is Not Enough: An ERP Investigation of Word Learning from Context	*Arielle Borovsky, Jeff Elman, Marta Kutas*
Attentional Highlighting as a Mechanism Behind Early Word Learning	*Hanako Yoshida, Rima Hanania*
Bilingual Lexical Representation in a Self-Organizing Neural Network Model ***2007 Computational Modeling Prize - Language**	*Xiaowei Zhao, Ping Li*

Aug 3, 2007. 5:00PM-5:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 3, 2007. 5:30PM-6:30PM

Session 8-03-5: Rumelhart Award Talk (Chair: Jay McClelland)	***Tennessee Ballroom C***
On Dinosaur Bones and the Meaning of Words	*Jeff Elman* *2007 Rumelhart Prize Winner*

Aug 3, 2007. 6:30PM-7:00PM

Rumelhart Reception	***Delta Island Atrium***

Aug 3, 2007. 7:00PM-9:00PM

Reception and Poster Session II	***Ryman Exhibit Hall B1/B2***

Aug 4, 2007. Saturday

Aug 4, 2007. 9:30AM-10:30AM

Society Business Meeting - All Members are Welcome!	***Magnolia Ballroom***

Aug 4, 2007. 10:30AM-12:00PM

Session 8-04-1A: Rumelhart Symposium (Chair: Ping Li)	***Tennessee Ballroom C***
Language as a Dynamical System: In Honor of Jeff Elman	*Gerry Altmann, Mary Hare, Ping Li, Ken McRae, Kim Plunkett*

Session 8-04-1D: Decision Making I (Chair: Jerome Busemeyer)	***Cheekwood ABC***
Implicit Conflict Detection During Decision Making	*Wim De Neys*
The Nature of Belief Inhibition in Thinking: How Reasoning Impairs Memory	*Wim De Neys, Samuel Franssens*
Why is "Quite Certain" More Informative than "Slight Possibility"? Information Theoretic Analysis of the Informativeness of Probability Statements	*Kuninori Nakamura*
Seeing is Believing: Priors, Trust, and Base Rate Neglect	*Matthew Welsh, Daniel Navarro*

Session 8-04-1E: Attention and Memory (Chair: Niels Taatgen)	***Tennessee Ballroom A***
Understanding Decrements in Knowledge Access Resulting from Increased Fatigue ***2007 Computational Modeling Prize - Applied Cognition**	*Glenn Gunzelmann, Kevin Gluck, Jeffrey Kershner, Hans Van Dongen, David Dinges*
Attention as a Pecking Chicken: The Consequences of Change Blindness for Our Understanding of Real-World Vision	*Daniel Levin*
Recognition of Pictures May Not Require Central Attentional Resources	*Collin Green, James C. Johnston, Eric Ruthruff*
An Integrated Approach to Modeling Concurrent Multitasking	*Dario Salvucci, Niels Taatgen*

Aug 4, 2007. 12:00PM-1:30PM

Lunch (on your own)

Aug 4, 2007. 1:30AM-3:00PM

Session 8-04-2A: Symposium (Chair: Liz Albro)	***Magnolia Ballroom***
Using Cognitive Science to Improve Reading Instruction and Reading Comprehension in School-Aged Learners	*Carol Connor, Tom Landauer, Michael Vitale, Jim Collins*

Session 8-04-2B: Symposium (Chair: Hansjoerg Neth)	***Cheekwood ABC***
Immediate Interactive Behavior — How Embodied and Embedded Cognition Uses and Changes the World to Achieve its Goals	*Hansjoerg Neth, Alex Kirlik, Rich Carlson, Wayne Gray, Stephen Payne, David Kirsh*

Session 8-04-2C: Concepts and Categories (Chair: Art Markman)	***Tennessee Ballroom A***
Mathematical Models of Visual Category Learning Enhance fMRI Data Analysis	*Emi Nomura, Todd Maddox, Paul Reber*
Recovery from Brain Damage: The Role of Exemplar Typicality within Categories	*Swathi Kiran*
Feature Relations and Feature Salience in Natural Categories	*Jonathan Rein, Bradley Love, Arthur Markman*

Session 8-04-2E: Spatial Orientation (Chair: Nora Newcombe)	***Tennessee Ballroom B***
Reversal of the Alignment Effect: Influence of Visualization and Spatial Set Size	*Anthony Harrison*
Orientation Specificity in Long-Term-Memory for Environmental Spaces	*Tobias Meilinger, Bernhard E. Riecke, Heinrich H. Bülthoff*
Penetrating the Geometric Module: Catalyzing Children's Use of Landmarks	*Alexandra Twyman, Alinda Friedman, Marcia Spetch*
A Matter of Trust: When Landmarks and Geometry Are Used During Reorientation	*Kristin Ratliff, Nora Newcombe*

Aug 4, 2007. 3:00PM-3:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 4, 2007. 3:30PM-5:00PM

Session 8-04-3A: Symposium (Chairs: Susannah Paletz, Christian Schunn)	***Magnolia Ballroom***
When Social and Cognitive Perspectives Blur: The Case of Developing Expertise in Science and Engineering	*Greg Feist, Susannah Paletz, Irene Tollinger, Christopher Bearman, Michael Gorman*

Session 8-04-3B: Spatial Cognition and Embodiment (Chair: Robert Goldstone)	***Cheekwood ABC***
Meaning and Motor Action	*Daniel Casasanto, Sandra Lozano*
Object Permanence as Relational Stability, Or How to Get Representation from the Dynamics of Embodiment	*Jun Luo*
Similarity and Proximity: When Does Close in Space Mean Close in Mind?	*Daniel Casasanto*
Grounding Symbol Structures in Space: Formal Notations as Diagrams	*David Landy, Robert Goldstone*

Session 8-04-3C: Text Comprehension (Chair: Herb Clark)	***Tennessee Ballroom A***
Pronoun Interpretation as a Side Effect of Discourse Coherence	*Hannah Rohde, Andrew Kehler, Jeffrey Elman*
Quantifying Text Difficulty with Automated Indices of Cohesion and Semantics	*Nicholas Duran, Cedrick Bellissens, Roger Taylor, Danielle McNamara*
Toward a New Readability: A Mixed Model Approach	*Scott Crossley, David Dufty, Philip McCarthy, Danielle McNamara*
Retelling Narratives as Fiction and Nonfiction	*Deborah Hendersen, Herb Clark*

Session 8-04-3D: Decision Making II (Chair: Jerome Busemeyer)	***Tennessee Ballroom B***
Adjusting the Spanner: Testing an Evidence Accumulation Model of Decision Making	*Ben Newell, Patrick Collins, Michael Lee*
Application of Voting Geometry to Multialternative Choice	*Anouk Schneider, Daniel Oppenheimer, Greg Detre*
A Dynamic and Stochastic Theory of Choice, Response Time, and Confidence	*Timothy Pleskac, Jerome Busemeyer*

Session 8-04-3E: Development and Objects (Chair: John Hummel)	***Tennessee Ballroom D***
Evidence for "Dumb" Local-to-Global Development in Children's Judgments about Motion	*Heidi Kloos, Laura Srivorakiat, Cathy Odar, Sarah Cummins-Sebree, Kevin Shockley*
Continuous Versus Discrete Quantity in Infant Multiple Object Tracking	*Marian Chen, Alan Leslie*
Weighing the Evidence: Children's Naive Theories of Balance Affect Their Exploratory Play	*Elizabeth Baraff Bonawitz, Suejean Lim, Laura Schulz*
A Computational Exploration of the Development of the Generalization of Shape Information	*Leonidas Doumas, John Hummel*

Aug 4, 2007. 5:00PM-5:30PM

Coffee Break & Exhibits	***Tennessee Lobby***

Aug 4, 2007. 5:30PM-7:00PM

Session 8-04-4A: Symposium (Chair: Michael Jacobson)	***Magnolia Ballroom***
Complex Systems and the Cognitive Sciences: Potential for Pervasive Theoretical and Research Implications?	*Michael J. Jacobson, Robert Goldstone, Micki Chi, Dor Abrahamson, Manu Kapur, William J. Clancey*

Session 8-04-4B: Spatial Cognition (Chair: Mary Hegarty)	***Cheekwood ABC***
Priming and Conservation Between Spatial and Cognitive Search	*Thomas Hills, Peter Todd, Robert Goldstone*
Signs and Maps – Cognitive Economy in the Use of External Aids for Indoor Navigation	*Christoph Hölscher, Simon J. Büchner, Martin Brösamle, Tobias Meilinger, Gerhard Strube*
Sources of Difficulty in Imagining Cross Sections of 3D Objects	*Cheryl Cohen, Mary Hegarty*

Session 8-04-4D: Causal Reasoning (Chair: Phillip Wolff)	***Tennessee Ballroom A***
Causal Beliefs Influence the Perception of Temporal Order	*Philip Fernbach, Preston Linson-Gentry, Steven Sloman*
Learning Causal Schemata ***2007 Computational Modeling Prize - Higher-Level Cognition**	*Charles Kemp, Noah Goodman, Joshua Tenenbaum*
Learning Grounded Causal Models ***2007 Computational Modeling Prize - Perception/Action**	*Noah Goodman, Vikash Mansinghka, Joshua Tenenbaum*
Learning Causal Structure from Reasoning	*Aron Barbey, Phillip Wolff*

Session 8-04-4E: Learning and Memory (Chair: Brad Love)	***Tennessee Ballroom B***
Modeling Cognitive Dissonance using A Recurrent Neural Network Model with Learning	*Stephen Read, Brian Monroe*
Behaviorism Reborn? Statistical Learning as Simple Conditioning	*Todd Gureckis, Bradley Love*
Phonological Similarity Effects without a Phonological Store: An Individual Differences Model	*Philip Beaman, Ian Neath, Aimee Surprenant*
Equivalence: A Novel Basis for Model Analysis	*Terrence C. Stewart, Robert L. West*

Aug 4, 2007. 7:00PM-9:00PM

Reception and Poster Session III	***Ryman Exhibit Hall B1/B2***

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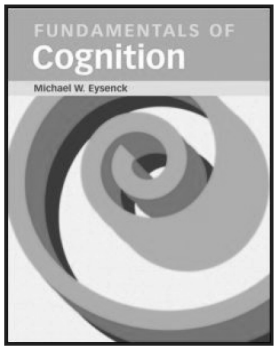

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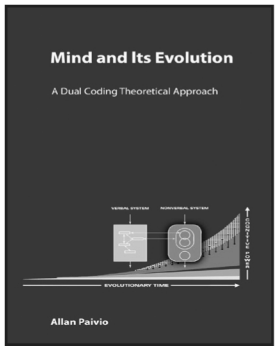

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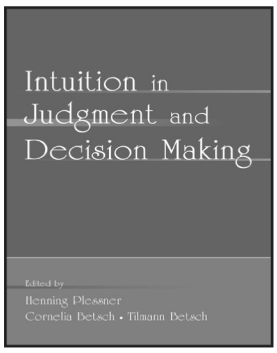

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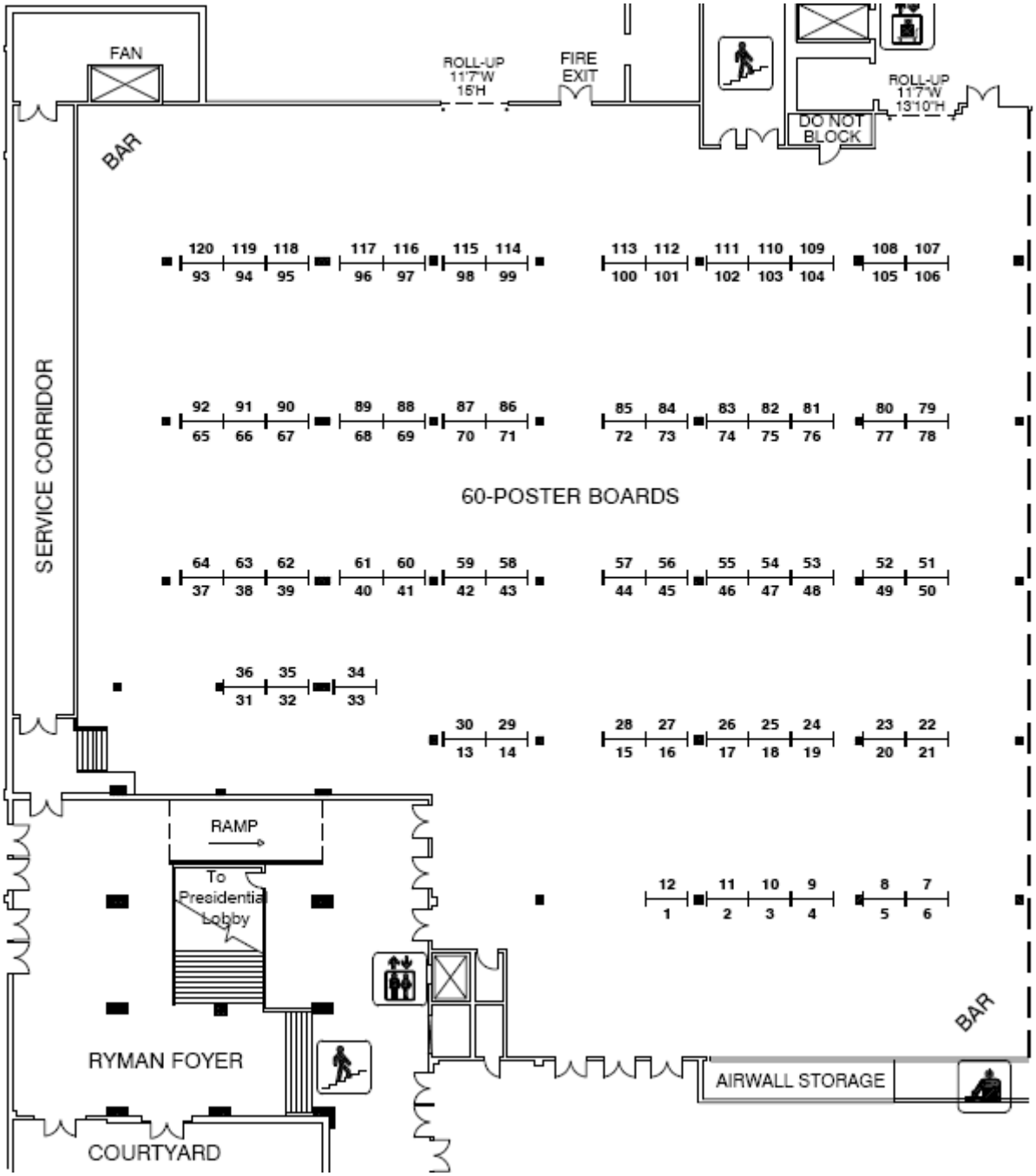

Poster Session I - Thursday, Aug 2

	Problem Solving and Analogy (Thursday, Aug 2)	
1	Strategies for Orientation: The Role of 3D Landmark Salience and Map Alignment	*Clare Davies, David Peebles*
2	The Effects of Practical Experience on Expertise in Clinical Psychology and Collaboration	*Sabine Hauser, Hans Spada, Nikol Rummel*
3	Self-Explaining in the Classroom: Learning Curve Evidence	*Robert Hausmann, Kurt VanLehn*
4	Conceptual Centrality and the Role of Comparison	*Jason Jameson, Dedre Gentner*
5	Thinking about Algorithms	*Sangeet Khemlani, Philip N. Johnson-Laird*
6	Can an AI System Facilitate Human Creative Generation? An Experimental Investigation in Mathematical Problem Posing	*Kazuaki Kojima, Kazuhisa Miwa*
7	Interpreting Acculturation Processes: An Analogical Mapping Perspective	*Sang Bok Lee*
8	Illusion of Knowing-Same or Different Emotional Responses Compared to Knowing?	*Paulina Lindström*
9	A Study on Creativity in Comparison with Linguistic Interpretation Process	*Junya Morita, Yukari Nagai, Toshiharu Taura, Tomohiko Takeuchi*
10	The Effect of Diagram Format on College Students' Understanding of Evolutionary Hierarchies	*Laura Novick, Kefyn Catley*
11	Identifying Misconceptions Using Structural Assessment of Knowledge	*David Trumpower, Harold Sharara*
12	A Chaotic Neural Network Model of Insightful Problem Solving and the Generation Process of Constraints	*Wajima Yuichiro, Keiga Abe, Masanori Nakagawa*
13	The Activation of Hypotheses during Abductive Reasoning	*Martin R.K. Baumann, Katja Mehlhorn, Franziska Bocklisch*
	Reasoning and Decision Making (Thursday, Aug 2)	
14	Changing Explanations in the Face of Anomalous Data in Abductive Reasoning	*Martin R. K. Baumann, Franziska Bocklisch, Katja Mehlhorn, Josef F. Krems*
15	The Role of Expectation and Memory in the Hindsight Bias Effect: A Test of Cognitive Reconstruction Models.	*Ivan Ash, Clinton Comer*
16	Goal Inference as Inverse Planning	*Chris Baker, Joshua Tenenbaum, Rebecca Saxe*
17	What Determines the Acceptability of Deontic Health and Safety Rules?	*Linden Ball, David Alford*
18	Strategies, Heuristics, and Adaptive Decision Making: New Evidence from an Individual Differences and Process Tracing Approach.	*Edward Cokely*
19	Use of Complimentary Actions Decreases with Expertise	*Marc Destefano, Wayne Gray*
20	Belief Revision in Causal Learning	*Uwe Drewitz, Manfred Thüring*
21	Language Changes Causal Attributions About Agents and Objects	*Caitlin Fausey, Lera Boroditsky*
22	It's Not My fault, Your Honor, I'm Only the Enabler	*Caren Frosch, P.N. Johnson-Laird, Michelle Cowley*
23	Inferring Properties When Categorization is Uncertain: A Feature-Conjunction Account	*Brett Hayes, Chris Ruthven, Ben Newell*
24	Entropy of Opponent's Choice Predicts Reaction Time and Outcome Appraisal Time in a 2-Player Strategic Game	*Jason Jones*
25	Causal Status, Coherence, and Essentialized Categories	*ShinWoo Kim, Bob Rehder*
26	The Representation of Judgment Heuristics and the Generality Problem	*Carole Lee*
27	Bayesian Models of Judgments of Causal Strength: A Comparison	*Hongjing Lu, Alan Yuille, Mimi Liljeholm, Patricia W. Cheng, Keith J. Holyoak*

28	Social Decision Making Strategies in Internet Poker Playing	*Anna-Carin Olsson, Nicole di Zazzo, Johanna Tjäderborn*
29	Rule Discovery in the Balance Task Depends on Strategy and Problem Complexity	*Jean Pretz, Corinne Zimmerman*
30	Bias Toward Sufficiency and Completeness in Causal Explanations	*Bob Rehder, Goran Milvanovic*
31	Causal Models Guide Analogical Inference	*Hee Seung Lee, Keith Holyoak*
32	Issues in Reasoning about Iffy Propositions: A Meta-Analysis of Thinking about What is True, Possible or Irrelevant in Reasoning from or about Propositions	*Walter Schroyens*
33	Issues in Reasoning about Iffy Propositions: "The" Interpretation(s) of Conditionals	*Walter Schroyens*
34	Efficacy of Bias Awareness in Debiasing Oil and Gas Judgments	*Matthew Welsh, Stephen Begg, Reidar Bratvold*
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35	Asymmetrical Orthography to Phonology Correspondences Cause Equivalent Correspondence Effects - a Study Case of Chinese Character Naming	*Sau Chin Chen*
36	Stimulus Valence and Mood Valence in Discourse Comprehension	*Giovanna Egidi, Richard Gerrig*
37	Are Seven Words All We Need? Recognizing Genre at the Sub-Sentential Level	*Philip McCarthy, Danielle McNamara*
38	Buy a Relation, Get the Role Half Off: Instantiating Event Representations for Novel Denominal Verbs	*Micah Goldwater, Arthur Markman*
39	Prosody, Context, and Thematic Fit Meet "Gapping":The Interaction of Multiple Constraints in Spoken Sentence Comprehension	*John Hoeks, Petra Hendriks, Gisela Redeker*
40	Gender Congruency and Cognate Effect in Bulgarian-English Bilinguals: Evidence from a Word-Translation Task	*Armina Janyan, Marina Hristova*
41	Effect of Chinese Character Frequency on the Time Course of Phonological and Semantic Activation: an ERP Study	*Ling-yue Kong, Connie S.H. HO, Qin Zhang*
42	The Role of Spatial Information in Referential Communication: Speaker and Addressee Preferences for Disambiguating Objects	*Sarah Kriz, J. Gregory Trafton, J. Malcolm McCurry*
43	The Compensatory Role of Prior Knowledge: How Topic Knowledge Can Speed Up Reading Rate in Children with Reading Disability	*Amanda C. Miller, Janice M. Keenan*
44	Role-Denoting Nouns are More Suitable for Metaphoric Uses than Object-Denoting Nouns	*Keiko Nakamoto, Kow Kuroda*
45	Against Sequence Priming: Evidence from Constituents and Distituents in Corpus Data	*David Reitter, Frank Keller*
46	A Computational Model of Control Mechanisms in Spatial Term Use	*Holger Schultheis*
47	Predicative Metaphors are Understood as Two-Stage Categorization: Computational Evidence by Latent Semantic Analysis	*Akira Utsumi, Maki Sakamoto*
48	A Proxy for All Your Semantic Needs	*Vladislav Veksler, Alex Grintsvayg, Robert Lindsey, Wayne Gray*
49	Contextual Information Sharing in Natural Language and Gesture Crossmodal Integration for Aged People Assistive Home Care Application	*Olga Vybornova, Monica Gemo, Ronald Moncarey, Benoit Macq*
	Learning and Memory (Thursday, Aug 2)	
50	Diagnostic Object Motion Weakens Representations of Static Form	*Benjamin Balas, Pawan Sinha*

51	The Effect of Training Context on Fixations Made during Visual Discriminations	*Randy Brou, Teena Garrison, Stephanie Doane, Gary Bradshaw*
52	Is Memory for Emotional Words Enhanced or Biased?	*Renee Brown, Ken Malmberg, Rebecca Grider*
53	A Micro-View on Children's Shared Thinking on Questions Forming	*Peilan Chen, Wolff-Michael Roth, Yuhtsuen Tzeng*
54	A Theoretical Model of Behavioral Shaping	*Manu Chhabra, Daniel Stefankovic, Robert Jacobs*
55	Phenomenological Experiences Associated with the False Recall of Target Words for Semantically-Related Lists	*Kara D. DeSouza, John Powell Taylor, Allyson Stade, William P. Wallace*
56	Language and Vision: A Case Study of Interaction between Two Systems	*Banchiamlack Dessalegn, Barbara Landau*
57	Learned Attention in Language Acquisition: Blocking, Salience, and Cue Competition	*Nick Ellis*
58	Effects of Inter-Associate Connectivity on the Persistence of False Recall	*Winston Goh, Bee Hong Khoo*
59	Presentation Format Effects in a Levels of Processing Task	*Paula Goolkasian, Paul Foos*
60	Interactions of Expertise and Prior-Knowledge Activation with Low-Coherent and High-Coherent Concept Mapping Tasks	*Johannes Gurlitt, Alexander Renkl, Lucie Faulhaber, Frank Fischer*
61	Can Interactive Activation Models Accomodate Neighborhood Distribution Effects in Visual Word Recognition?	*Victor Illera, Javier S. Sainz*
62	Learning the Structure of a Mathematical Group	*Anna Jamrozik, Thomas Shultz*
63	Evaluating Learner Cognitive Load Using Concurrent Verbal Reports	*Slava Kalyuga, Jan Plass*
64	Automatically Recording Keystrokes in Public Clusters with RUI: Issues and Sample Answers	*Jong Kim, Frank Ritter*
65	Impaired Cognitive Flexibility & Stimulus Overselectivity in Autism	*Trent Kriete, David Noelle*
66	Learning Science in the Wild: Conversational Interactions during Biology Fieldwork	*Jorge Larreamendy-Joerns*
67	Visualizing Egocentric vs. Exocentric Path Descriptions	*Don Lyon, Glenn Gunzelmann, Kevin Gluck*
68	Verbal Ability and Structured Navigation on Learning with Hypertext	*Brenda Martinez-Papponi, Timothy E. Goldsmith*
69	Adult Dyslexics' Visuo-Spatial Serial Memory: Evidence of Intact Non-Verbal Encoding?	*Emma McDonald, William Macken*
70	Why Adult Language Learning is Harder: A Computational Model of the Consequences of Cultural Selection for Learnability	*Robert Nelson*
71	Why Children Make Better Estimates of Fractional Magnitude than Adults	*John Opfer, Clarissa Thompson, Jeff DeVries*
72	The FaCT (Fact and Concept Training) System: A New Tool Linking Cognitive Science with Educators	*Philip Pavlik Jr., Nora Presson, Giancarlo Dozzi, Sue-mei Wu, Brian MacWhinney, Kenneth Koedinger*
73	Crossmodal Entropy Transfer	*Bo Pedersen*
74	Students' Metacognitive Calibration to Task Complexity	*Stephanie Pieschl, Elmar Stahl, Rainer Bromme*
75	The Effect of Declarative Memory on Skill Acquisition	*Hiroyuki Shimada, Noriaki Tsutsumi, Qiuyu Lin, Yosuke Ishizaka, Kiyoyuki Naka*
76	Connectionism and Education: Applications and Challenges	*Thomas Shultz*
77	Developmental Differences in Self-Regulated Learning and Question Asking during Learning with Hypermedia	*Jeremiah Sullins, Roger Azevedo*
78	Partial Exemplar Classification: When Seeing Less Means Learning More	*Eric Taylor, Brian Ross*

79	The Domain Specific Relation between Vocabulary Size and Generalization: The Case Example of Color Word Learning	*Emily Thom, Catherine Sandhofer*
80	A Model of Building Representations for Category Learning	*Wolf Vanpaemel, Michael Lee*
81	The Memory Retrieval Debate Revisited: Is it Spreading Activation or Compound-Cue?	*Jennifer Williams, C. Dominik Güss, F. Dan Richard*
82	The Effectiveness of Modeling on Learners' Motivation and Self-Regulated Learning of Science with Hypermedia	*Amy Witherspoon, Roger Azevedo*
	Perception and Attention (Thursday, Aug 2)	
83	How the Statistical Structure of the Environment Affects Perception of the Müller-Lyer Illusion	*Stephen Blessing, Martina Svetlik*
84	Thinking More Lowers Hand Waving: Dual Task Damps Hand Movements during Mental Rotation	*Sanjay Chandrasekharan, Samudragupta Bora, Dilip Athreya, Narayanan Srinivasan*
85	Why High School Should Start after Lunch: School-Days Sleep Deprivation and Neurobehavioral Correlates of Stroop Performance in Adolescent Girls	*Amedeo D'Angiulli*
86	Differences in the Way Organic Chemistry Students Categorize Molecules	*Daniel Domin*
87	The Mental Plane: A Model of Imagining Situations in Euclidean Geometry	*Francisco Lara-Dammer*
88	Amodal Perception: Access or Visualization?	*Bence Nanay*
89	Mondrian, Eye Movements and the Oblique Effect	*James Schirillo, Jordan Plumhoff*
90	Subjective Randomness and Natural Scene Statistics	*Ethan L. Schreiber, Thomas L. Griffiths*
91	Language Production Deficits as a Function of the Level of Diagnosis for ADHD	*Kristine Schuster Turko*
92	Attentional Capture by Meaning, a Multi-level Modelling Study	*Li Su, Howard Bowman, Phil Barnard*
93	A Pound of Lead Feels Heavier than a Pound of Feathers: A Potential Perceptual Basis of a Cognitive Riddle	*Jeffrey Wagman, Corinne Zimmerman, Christopher Sorric*
	Culture, Concepts, Human-Computer-Interaction, Spatial Cognition, and The Dreaded Miscellaneous (Thursday, Aug 2)	
94	The Role of Comparison and Contrast in Category Development	*Amber Ankowski, Catherine Sandhofer*
95	Why Externalism is Not Part of Cognitive Science	*Eran Asoulin*
96	Numeral Classifiers in Specific Counting Systems: Cultural Context, Linguistic Principles, and Cognitive Implications	*Andrea Bender, Sieghard Beller*
97	Adapting and Applying CI Theory to Model Real World Design: A Case of Storyboard Review	*Janet Blatter*
98	Towards a Bounded Rational Analysis of Multitasking While Driving	*Duncan Brumby, Dario Salvucci, Andrew Howes*
99	Why Do People Prefer Historically Intended Functions?	*Sergio Chaigneau, Ramon Castillo, Luis Martinez*
100	Combining Perception and Experience in Spatial Categorization	*L. Elizabeth Crawford, Erin L. Jones*
101	Posture as a Predictor of Learner's Affective Engagement	*Sidney D'Mello, Patrick Chipman, Art Graesser*
102	An Anomaly in Intentional Action Ascription: More Evidence of Folk Diversity	*Adam Feltz, Edward Cokely*
103	Linguistic Complexity: Conceptualizations and Results	*Gertraud Fenk-Oczlon, August Fenk*
104	The Representation of Letter Position in Orthographic Representations	*Simon Fischer-Baum, Brenda Rapp, Michael McCloskey*
105	Should I Call or Should I Email?	*Michelle Gumbrecht, Teenie Matlock, Herbert H. Clark*
106	MSA:Maximum Satisfaction Architecture - A Basis for Designing Intelligent Autonomous Agents on WEB 2.0	*Muneo Kitajima, Hideaki Shimada, Makoto Toyota*

107	Incremental Process of Musical Key Identification	*Rie Matsunaga, Jun-ichi Abe*
108	How Spatial is Social Distance?	*Justin L. Matthews, Teenie Matlock*
109	A Connectionist Model of Attitude Strength and Change	*Brian Monroe*
110	The Role of Low Frequency Waves on EEG Recordings During Stimuli of Sounds	*Hiroyuki Murakami*
111	Evaluation of Human Stress with Salivary Alpha-Amylase	*Shusaku Nomura, Kazuto Yamagishi, Bo Zhao*
112	Evolutionary Cognitive Science: Constraints and Unification	*Fernando Orphão de Carvalho*
113	Reading Level Assessment for Literary and Expository Texts	*Kathleen M. Sheehan, Irene Kostin, Yoko Futagi*
114	ProtoMatch: A Tool for Manipulating Eye, Mouse, and Keystroke Data	*Bella Zafrina, Wayne Gray, Michael Schoelles*
115	Salience Based Hierarchical Spatial Representations	*Hongbin Wang, Yanlong Sun*
116	Physics is Harder than Psychology (Or Is It?): Developmental Differences in Calibration of Domain-Specific Texts	*Corinne Zimmerman, Sarah Gerson, Andrew Monroe, Amanda Kearney*
117	The Use of Spatial Cognition in Graph Interpretation	*Susan Trickett, J. Gregory Trafton*
118	Non-Verbal Behaviors and Communication Strategies	*Ichiro Umata, Sadanori Ito, Shoichiro Iwasawa, Noriko Suzuki, Naomi Inoue*
119	Time in Two Dimensions: Automatic Activation of Spatial Schemas for Temporal Concepts	*Daniel Casasanto, Sandra Lozano*

Poster Session II- Friday, Aug 3

	Funding Opportunities (Friday, Aug 3)	
1	Funding Opportunities through the Institute of Education Sciences (IES)	*Elizabeth Albro*
2	Funding Opportunities through the National Science Foundation (NSF)	*Chris Kello*
3	Funding Opportunities through the Cognitive Sciences Branch of the Army Research Laboratory (ARL)	*Dan Cassenti*
4	Funding Opportunities through the Office of Naval Research (ONR) (Training Related Science and Technology)	*Ray Perez*
5	Funding Opportunities through the Office of Naval Research (ONR) (Cognitive Architectures)	*Paul Bello*
	Problem Solving and Analogy (Friday, Aug 3)	
6	The Effect of Prior Conceptual Knowledge on Procedural Performance and Learning in Algebra	*Julie Booth, Kenneth Koedinger, Robert Siegler*
7	Learning from Ill-Structured Cases	*Kwangsu Cho, Young Hoan Cho*
8	Using Instructions in Procedural Tasks	*Elsa Eiriksdottir, Richard Catrambone*
9	Principles for the Foundation of Integrated Higher Cognition	*Kai-Uwe Kühnberger*
10	The Composition Effect in Geometry Area Problems	*Yvonne Kao, Ido Roll, Kenneth Koedinger*
11	Can Verbalization Improve Insight Problem Solving?	*Sachiko Kiyokawa, Yosuke Nagayama*
12	Toward a More Textual, as Opposed to Conceptual, Approach in Metaphor Research: A Case Study of How to Cook a Husband	*Kow Kuroda, Keiko Nakamoto, Yoshikata Shibuya, Hitoshi Isahara*
13	Understanding the Role of Open Goals in Problem Solving: Impasses and Hints	*Jarrod Moss, Kenneth Kotovsky, Jonathan Cagan*
14	Modeling Active Recognition as a Result of Analogical Mapping and Transfer	*Georgi Petkov, Luiza Shahbazyan*
15	The Interaction of Strategy Use and Experience in Intuitive and Analytical Problem Solving	*Jean Pretz*
16	Can Tutored Problem Solving Be Improved By Learning from Examples?	*Ron Salden, Vincent Aleven, Alexander Renkl*
17	Detecting and Resolving Informational Uncertainty in Complex Domains	*Christian Schunn, Tsunhin Wong, Waleed Manzoul, Jamie Kamer, Julie Harris, Greg Trafton, Susan Trickett*
18	Using Gestalt Principles to Compute Analogies of Geometric Figures	*Angela Schwering, Ulf Krumnack, Kai-Uwe K¸hnberger, Helmar Gust*
19	Cognitive Reflection: the 'Premature Temperature Convergence' Hypothesis	*Jarbas Silva, Alexandre Linhares*
20	Visual Analogies at Multiple Levels of Abstraction	*Patrick Yaner, Ashok Goel*
	Reasoning and Decision Making (Friday, Aug 3)	
21	Scientific Reasoning in a Belief Context: A Developmental Study	*Steve Croker, Heather Buchanan*
22	Causal Models and Cognitive Representations in Multiple Cue Judgment	*Tommy Enkvist, Peter Juslin*
23	The Price of Fame: Do Celebrities Always Appear Equally Rich?	*Caren Frosch, C. Phillip Beaman, Rachel McCloy*
24	Ethical System Formalization Using Non-Monotonic Logics	*Jean-Gabriel Ganascia*
25	The Influence of Individual Differences on the Role of Information Quantity in Statistical Inferences	*Justin Gilkey, Richard Anderson, Michael Doherty*

26	Towards a Cognitive Architecture for Mental Model Sharing: Redefining Knowledge-Based Systems	*Göran Hagert*
27	The Role of Short-Term Memory and Task Experience for Overconfidence	*Patrik Hansson, Peter Juslin, Anders Winman*
28	Reasoning with Probabilistic Counterfactual Conditionals	*William Jimenez-Leal, Nick Chater*
29	Decision and Learning Model Selection for Complex Adaptive Systems	*Tei Laine*
30	The Effects of Mechanistic and Functional Explanations on Categorization	*Tania Lombrozo*
31	Bias in Evaluating Research that Confirms or Disconfirms Prior Belief	*Amy Masnick, Corinne Zimmerman*
32	Decision Making Using Learned Causal Structures	*William Nichols, David Danks*
33	A Dynamic Field Theory of Visual Recognition in Infant Looking Tasks	*Sammy Perone, John Spencer, Gregor Schoner*
34	Qualitative Spatial Reasoning: A Cognitive and Computational Approach	*Marco Ragni, Felix Steffenhagen*
35	What about Negation in Spatial Reasoning?	*Marco Ragni, Thomas Fangmeier, Stefan Schleipen*
36	Social Influence and Bounded Rationality: Heuristic Decision Making in Complex Networks	*Gero Schwenk, Torsten Reimer*
37	A Cultural Schema Underlying Crowd Member Decisions in the Middle East	*Winston Sieck, Jennifer Smith, Anna McHugh*
38	Testing Descriptive or Prescriptive Conditionals	*Momme von Sydow*
39	The Golden Ratio-Based Blind Choice Performance	*Sergey Tarasenko, Toshio Inui, Niyaz Abdikeev*
	Language (Friday, Aug 3)	
40	Incremental Constraint-Based Equitable and Efficient Natural Language Parsing	*Gregory Aist*
41	Semantic Convergence in Bilinguals	*Eef Ameel, Gert Storms, Barbara Malt*
42	Lexical Contrast as a Diagnostic Measure of Verb Lexical Organization	*Kristen Asplin, Laura Wagner, Barbara Pearson, Jill de Villiers*
43	Factors Influencing the Adoption of Temporal Metaphors	*Evangelia Chrysikou, Christopher Ramey*
44	Data-Oriented Modelling of Infant Vocal Babbling and the Emergence of Syntax	*Dave Cochran*
45	Pupillometric Indices of Visual and Prosodic Information on Spoken Language Comprehension	*Paul Engelhardt, Elena Patsenko, Fernanda Ferreira*
46	Labels: Category Markers or Objects Features? Or How Cakes and Pies are Different from Puppies and Dogs	*Anna Fisher*
47	Gesture and discourse: How we use our hands to refer back	*Stephani Foraker, Susan Goldin-Meadow*
48	The Effect of the Speaker's Motivation on the Interpretation of Logical Connectives	*James German, Eyal Sagi, Stefan Kaufmann, Brady Clark, Min-Joo Kim*
49	Analyzing Human Tutorial Dialogues for Cohesion and Coherence during Hypermedia Learning of a Complex Science Topic	*Moongee Jeon, Roger Azevedo*
50	Structural Priming Depends on Semantic Similarity in 4 Year-Olds but Not 5 Year Olds	*Micah Goldwater, Catharine Echols*
51	Idiomatic Constructions, Visual Reference Worlds, and Language Learning	*John Jones, Michael Kaschak*
52	Difference in Action Tendencies Distinguish Anger and Sadness after Comprehension of Emotional Sentences	*Emily Mouilso, Authur Glenberg, David Havas*
53	Comprehension of Concrete and Abstract Action-Sentence	*Tomohiro Taira, Keiko Nakamoto, Hideki Kidoguchi, Yota Kimura, Kohei Tsunemi, Yuko Igawa, Takashi Kusumi*

54	What is More Memorable, Counterintuitive Concepts Interpreted Metaphorically or Literally?	*M. Afzal Upal*
	Learning and Memory (Friday, Aug 3)	
55	Evaluating the Contribution of Intra-Linguistic and Extra-Linguistic Data to the Structure of Human Semantic Representations	*Mark Andrews, Gabriella Vigliocco, David Vinson*
56	Towards a Textual Cohesion Model that Predicts Self-Explanations Inference Generation as a Function of Text Structure and Readers' Knowledge Levels	*Cedrick Bellissens, Patrick Jeuniaux, Nicholas Duran, Danielle McNamara*
57	Characterizing Motherese: On the Computational Structure of Child-Directed Language	*Peter Brodsky, Heidi Waterfall, Shimon Edelman*
58	Interpreting the Sign of Algebraic Expressions	*Konstantinos Christou, Stella Vosniadou, Xenia Vamvakoussi*
59	Syllables, Morphemes and Bayesian Computational Models of Acquiring a Word Grammar	*Cagri Coltekin, Cem Bozsahin*
60	Assessing the Efficacy of Transitional Probabilities for Learning Syntactic Categories	*Erin Conwell, Benjamin Balas*
61	Depicting Invisible Processes: The Influence of Molecular-Level Diagrams in Chemistry Instruction	*Jodi Davenport, Katherine McEldoon, David Klahr*
62	Beyond Physics to Other Subjects: A Case for Transfer	*Benjamin Forsyth*
63	A Bayesian Robot that Distinguishes "Self" from "Other"	*Kevin Gold, Brian Scassellati*
64	Correlations between Emotion Regulation, Learning Performance, and Cortical Activity	*Tera Marie Green, Kayvan Najarian*
65	Assessing Semantic Associates for a Single Word in a Single Individual	*Lance Hahn, J. DaSha Stockton*
66	A Test of the Interaction Hypothesis: Joint-Explaining vs. Self-Explaining	*Robert Hausmann, Kurt VanLehn*
67	Learning Ambiguous Features within a Categorization Task	*Andrew Hendrickson, Robert Goldstone*
68	When Facts Go Down the Rabbit Hole: Contrasting Features and Objecthood as Indexes to Memory	*Merrit Hoover, Daniel Richardson*
69	Working Memory for Spatial Location is Attracted Towards the Focus of Attention	*Jeffrey Johnson, John Spencer*
70	Cognitive Control as Alternation of Activation and Suppression in the Stroop Task	*Ion Juvina, Niels A. Taatgen, DanielDickison*
71	Measuring Mathematic Formula Writing Competence: An Application Graphical Protocol Analysis	*Peter Cheng, Hector Rojas-Anaya*
72	Supporting Information Processing in Museums with Adaptive Technology	*Eva Mayr, Carmen Zahn, Friedrich W. Hesse*
73	The Nature of Feedback: Investigating How Different Types of Feedback Affect Writing Performance	*Melissa Nelson, Christian Schunn*
74	Multiple Exemplars Increase Swaps in Novel Word Learning	*Stephanie Packard, Prahlad Gupta*
75	A Bayesian Perspective on Cognitive Control	*Jeremy Reynolds, Hadjar Homaei, Michael Mozer*
76	Spatial Abilities and Learning Complex Scientific Topics	*Christopher Sanchez, Jennifer Wiley*
77	Towards a Unified Exemplar-Theoretic Model of Phonetic and Syntactic Phenomena	*Hinrich Schuetze, Michael Walsh*
78	Motivation Effect of Illustrations in Text Comprehension: An Eye-tracking Study	*Hideaki Shimada, Muneo Kitajima*
79	Hemodynamic Changes in the Prefrontal Cortex in Smooth and Non-Smooth Performance Measured by Near-Infrared Spectroscopy (NIRS)	*Shintaro Shinozaki, Harumi Kobayashi, Tetsuya Yasuda*
80	Awareness in Contextual Cuing	*Andrea Smyth, David Shanks*

81	Computational Modeling of Assimilated Speech: Cross-Linguistic Evidence	*Natalie Snoeren, Gareth Gaskell*
82	What Is Really Learned in Artificial Grammar Learning? Implicit Intention for Learning in the Selective Attention Process	*Daisuke Tanaka, Sachiko Kiyokawa, Ayumi Yamada, Kazuo Shigemasu*
83	The Role of Autobiographical Memories in Story Comprehension	*Kohei Tsunemi, Takashi Kusumi*
84	The Role of Feedback in the Determination of Figure and Ground: A Combined Behavioral & Modeling Study	*Lawrence Watling, Michael Spratling, Kris De Meyer, Mark Johnson*
85	A Bayesian Analysis of Serial Reproduction	*Jing Xu, Thomas Griffiths*
86	Task Influences on Category Learning	*Huichun Zhu, David Danks*
	Perception and Attention (Friday, Aug 3)	
87	Conflict-Monitoring and Reaction Time Distributions: an Extension	*Eddy Davelaar*
88	Development of Automatic and Voluntary Selective Attention: Evidence from a New Object Tracking Task	*Anna Fisher*
89	Unraveling the Time-Course of Perceptual Categorization: Does Fastest Mean First?	*Michael L. Mack, Alan C. N. Wong, Isabel Gauthier, James W. Tanaka, Thomas J. Palmeri*
90	Driven to Distraction: Why do Head-Up Displays (HUDs) Impair Driving Performance?	*Jobina Li*
91	A Unified Framework for Perception in Autonomous Systems	*Ignacio López, Ricardo Sanz*
92	Do "Image Enhancement" Filters Enhance X-Ray Image Interpretation?	*Stefan Michel, Saskia Koller, Markus Ruh, Adrian Schwaninger*
93	How Human Can Discriminate between Convex and Concave Shape from the Tactile Stimulus	*Masashi Nakatani, Naoki Kawakami, Susumu Tachi*
94	Distinguishing between Perceptual and Decisional Sources of Holism in Face Processing	*Jennifer J. Richler, Michael L. Mack, Isabel Gauthier, Thomas J. Palmeri*
95	An Integrative Theory of Spatial Orientation in the Immediate Environment	*Bernhard E. Riecke, Timothy P. McNamara*
96	A Multimodal Paradigm for Investigating the Perisaccadic Temporal Inversion Effect in Vision	*Leo G. Trottier, Virginia R. de Sa*
97	Temporal Selection is Continuous and Deterministic; Responses are Probabilistic	*Edward Vul, Nancy Kanwisher*
98	Investigating Children's Eye movements: Cause or Effect of Reversing Ambiguous Figures	*Marina Wimmer, Martin Doherty*
	Culture, Concepts, Human-Computer-Interaction, Spatial Cognition, and The Dreaded Miscellaneous (Friday, Aug 3)	
99	Predicting Breakdown Situations over the Instant Messaging through Analyzing Conversational Structures	*Nik Nailah Binti Abdullah, Shinichi Honiden*
100	Do Redeployed Finger Representations Underlie Math Ability?	*Michael Anderson, Marcie Penner-Wilger*
101	Attention Allocation in Inference Learning	*Bob Colner, Aaron Hoffman, Bob Rehder*
102	The Relationship between Decision and Action: Simulating Response Dynamics in Categorization	*Rick Dale*
103	Non-Verbal Communication in Dialogue: Alignment between Eyebrow Raises and Pitch Accents in English	*Maria Flecha-Garcia*
104	Self-Construal and the Processing of Base Rate Information in a Contingency Learning Task	*Kelly M. Goedert, Lisa R. Grimm, Arthur B. Markman, Barbara A. Spellman*
105	Minimize the Gap between Task Analysis and Cognitive Modeling	*Marcus Heinath*

106	Does Sitting on Your Hands Make You Bite Your Tongue? The Effects of Gesture Prohibition on Speech during Motor Descriptions	*Autumn Hostetter, Martha Alibali, Sotaro Kita*
107	An Ecological Analysis of Music Making in Ensemble Rehearsals	*Linda Kaastra*
108	Spatial Memories of Virtual Environments	*Jonathan Kelly, Timothy McNamara*
109	Emotional Stroop Task with Facial Expressions and Emotional Words	*Ai Koizumi, Koki Ikeda, Akio Tanaka, Yohtaro Takano*
110	Lower-level Cognition in Emotions	*Daniel Hsi-wen Liu*
111	When Skunks are Similar to Giraffes and When They Are Not: Grammatical Gender Effects on Bilingual Cognition	*Stavroula-Thaleia Kousta, David P. Vinson, Gabriella Vigliocco*
112	Free Classification: Evidence for an Analytic System of Overall Similarity Sorting	*Christopher Longmore, Fraser Milton, Andy Wills*
113	Benefits of Incorporating a Stream of Thought: A Case Study	*Abhijit Mahabal*
114	Merological Morphogenesis and the Lexical Notions Meronym/Ameronym	*Mbame Nazaire*
115	The Equivalence of the Tasks for Reading of Facial Expressions	*SooJin Park, Kyung Ja Cho, Hei Rhee Ghim, In-Hye Song, Eun-Hye Park*
116	Danger in a House: Toddler's Interaction with Possible Risks	*Noriko Shingaki, Hisao Nojima*
117	Nonverbal Behaviors in Cooperative Work: A Case Study of Successful and Unsuccessful Team	*Noriko Suzuki, Ichiro Umata, Toshiro Kamiya, Sadanori Ito, Shoichiro Iwasawa, Naomi Inoue, Tomoji Toriyama, Kiyoshi Kogure*
118	Sketching Musical Compositions	*Jean-Baptiste Thiebaut, Patrick Healey*
119	Visual Coherence Breaks within Expository Films	*Maike Tibus, Stephan Schwan*

Poster Session III - Saturday, Aug 4

	Problem Solving and Analogy (Saturday, Aug 4)	
1	Evidence for Incremental Restructuring in a Spatial Insight Problem	*Patrick Cushen, Jennifer Wiley*
2	Strategies, Heuristics and Biases in Complex Problem Solving	*Frederic Dandurand, Thomas Shultz, Kristine Onishi*
3	Hidden Structure: Indirect Measurement of Relational Representation	*Samuel Day, Dedre Gentner*
4	Ordering Worked Examples to Promote Categorization	*Brian Gane, Richard Catrambone*
5	The Effects of Learning Multiple Instantiations on Transfer	*Jennifer Kaminski, Vladimir Sloutsky, Andrew Heckler*
6	Cognitive Modeling of Analogy Events in Physics Problem Solving from Examples	*Matthew Klenk, Ken Forbus*
7	Analogical Mapping and Perception: Do These Processes Interact with Each Other?	*Boicho Kokinov, Svetoslav Bliznashki, Svetlin Kosev, Penka Hristova*
8	To Teach by Concept or by Procedure? Making the Most of Self-Explanations	*Percival Matthews, Bethany Rittle-Johnson*
9	Cognitive in Chinese Medicine	*Qinggang Meng, Shan Xu*
10	Near-Miss Versus Surface-Different Comparisons in Analogical Learning and Generalization	*Timothy Nokes, Brian Ross*
11	Comparative Study of Self-Organizing Semantic Cognitive Maps Derived from Natural Language	*Alexei Samsonovich, Colin Sherrill*
12	Metacognition in the Composing Processes of Young Adolescents Who are Academically Gifted	*Delayne Shah*
13	AGENT and PATIENT Revisited: Children's Knowledge of Semantic Roles	*Shakila Shayan*
14	Group Problem Solving Behavior in a Networked Puzzle Game	*Thomas Wisdom, Robert Goldstone*
	Reasoning and Decision Making (Saturday, Aug 4)	
15	Simplicity and Probability in Children's Causal Explanations	*Elizabeth Baraff Bonawitz, Tania Lombrozo*
16	The Interaction of Food-Quantity Differences and Temporal Presentation on the Amount of Food People Consume	*Jessica Choplin, Laura Motyka*
17	Situational Interests and Meaning	*Marco Cruciani*
18	Conjunctive Causal Judgement Using Categorical and Continuous Variables	*Mario Córdoba*
19	Effects of Fact Mutability in the Interpretation of Counterfactuals	*Morteza Dehghani, Rumen Iliev, Stefan Kaufmann*
20	Human and Optimal Valuation in a Sequential Decision-Making with Uncertainty Task	*Kyler Eastman, Brian Stankiewicz, Alex Huk*
21	Judgments of Source Credibility as Measured by Source Attributions and Explicit Ratings	*Ruthanna Gordon*
22	Individual Differences in Epistemic Goals and the Acceptance of Evolution	*Thomas Griffin*
23	Revision of Simple Causal Hypotheses: Inferring Interaction across Multiple Contexts	*Mimi Liljeholm, Patricia W. Cheng, Beatrice Leung*
24	Learning the Functional Form of Causal Relationships	*Christopher Lucas, Thomas Griffiths*
25	A Computational Model of the Motivation-Learning Interface	*Manish Saggar, Arthur Markman, Todd Maddox, Risto Miikkulainen*
26	Re-Representation Using Labels: Comparison or Replacement?	*Ji Son, Linda Smith, Robert Goldstone*

27	The Role of Word Labels in Children's Causal Inductions and Exploratory Play	*Holly Standing, Elizabeth Baraff Bonawitz, Laura Schulz*
28	Where Syllogistic Reasoning Happens: An Argument for the Extended Mind Hypothesis	*Georg Theiner*
29	Are You in Control? Effects of Information Control on Human Judgment	*Jennifer Tsai, Wai-Tat Fu*
30	Leaving the Store Empty Handed: Decision Field Theory and Choice	*Beth Veinott, Ryan Jessup, Peter Todd*
31	Do Evaluation Frames Improve the Quality of Conditional Probability Judgment?	*Joseph Jay Williams, David Mandel*
32	The Bayesian Logic of the Conjunction Fallacy	*Momme von Sydow*
	Language (Saturday, Aug 4)	
33	Incremental Dialogue System Faster than and Preferred to its Nonincremental Counterpart	*Gregory Aist, James Allen, Ellen Campana, Carlos Gomez Gallo, Scott Stoness, Mary Swift, Michael Tanenhaus*
34	Communicative Ability in Schizophrenic Patients: Executive Function, Theory of Mind and Mental Representations	*Marianna Vallana, Francesca Marina Bosco, Romina Angeleri, Katiuscia Sacco, Bruno Giuseppe Bara, Livia Colle*
35	A Comparison of Student Evaluation Algorithms in AutoTutor	*Patrick Chipman, Donald Franceschetti*
36	Text Verification and Verb Factivity: An ERP Investigation	*Todd Ferretti, Murray Singer, Courtney Patterson*
37	Phonetic Feature Errors are Predominantly Anticipatory	*Andrea Gormley, Robert Thomson*
38	Effect of Phonetic Cues to Membership in Function Word Categories in Artificial Languages	*Dan Hufnagle, Suzanne Curtin*
39	Visual, Lexial, and Contextual Effects on Word Identification of Korean	*Say Young Kim*
40	Construction of Acceptability Computation Algorithm for Projective Spatial Terms	*Takatsugu Kojima, Takashi Kusumi*
41	Multimodal Communication in Face-to-Face Conversations	*Max Louwerse, Nick Benesh, Mohammed Hoque, Patrick Jeuniaux, Gwyneth Lewis, Jie Wu, Megan Zirnstein*
42	On-line Reference Assignment for Anaphoric & Non-Anaphoric Nouns: A Unified, Memory-Based Model in ACT-R	*Aryn Pyke, Robert West*
43	Reverse Engineering Humor	*Julia Taylor, Lawrence Mazlack*
44	The Optimal Cognitive Template of Minimally Counterintuitive Narratives	*M. Afzal Upal*
	Learning and Memory (Saturday, Aug 4)	
45	Optimization of Cognitive Load in Conceptually Rich Hypertext: Effect of Leads	*Pavlo Antonenko*
46	On-Line Assessment of Learner's Interest and Comprehension	*Sun-Hee Back, Sun-Young Lee, Yeon-Kyoung Woo, Yoon Kyung Chung, Eun Soo Cho, Cheon-woo Han, Woo-Gul Lee, Karam Lim, Yeonhee So, Sung-il Kim*
47	Integrating iSTART into a High School Curriculum	*Courtney Bell, Danielle McNamara*
48	Online Discussion Processes: Effects of the Previous Messages' Evaluations, Knowledge Content, Social Cues and Personal Information on the Current Message	*Gaowei Chen, Ming Ming Chiu*
49	Representational Shifts during Category Learning	*Wolf Vanpaemel, Daniel Navarro*
50	Memory Biases for Television Advertisements and Female Dietary Restraint	*Sandra Coulon, Rebecca Bourgeois, Corby Martin*
51	Interference and Repetition Both Impact Left Prefrontal Cortex during Recall	*Jared Danker, Pat Gunn, John Anderson*

52	Should I Use My Calculator?: Mental versus Calculator Assisted Arithmetic	*Wendy Ann Deslauriers, Clara John Gulli*
53	A Comparison of Models in a Function Learning Task	*Eric Dimperio*
54	Frequency, Neighborhood Density, and Phonological Similarity Effects in Picture Naming: An Artificial Lexicon Study	*Austin F. Frank, Michael K. Tanenhaus, Richard N. Aslin, Anne Pier Salverda*
55	Reconsidering the Modality Principle in Multimedia Learning	*Peter Gerjets, Ralf Rummer, Katharina Scheiter, Judith Schweppe*
56	Understanding the Distribution of Infant Attention: A Dynamical Systems Approach	*Joshua Goldberg, Gregor Schöner*
57	Memory Retrieval Effects on Filler-Gap Processing	*Philip Hofmeister*
58	Influence of Verbal Subjoined Information on Cognitive Development	*Mutsumi Iijima*
59	How Haptic Interaction in a Virtual Reality Program Aids in Developing an Internal Representation of a Complex 3-D Structure	*Susan Jang, John Black*
60	Testing the fSAM Model of False Recall: Association Strengths and True-False Correlations	*Daniel Kimball, Troy Smith*
61	The Role of Reward in CAL Environment	*Sun Young Lee, Yoon-Kyung Chung, Eun Soo Cho, Sun-hee Back, Yeon-Kyoung Woo, Cheon-Woo Han, Karam Lim, Woo-Gul Lee, Yeon hee So, Sung-il Kim*
62	Learning-Based Constraints on Graded Structure in Category Representations	*Kimery Levering, Kenneth Kurtz*
63	The Effects of Implicit Structure on Explicit Learning	*Robb Lindgren, Daniel L. Schwartz, Sashank Varma*
64	Extending Statistical Learning Farther and Further: Long-Distance Dependencies, and Individual Differences in Statistical Learning and Language	*Jennifer Misyak, Morten Christiansen*
65	The Mere Belief of Social Interaction Improves Learning	*Sandra Okita, Jeremy Bailenson, Daniel Schwartz*
66	Diagnostic Visual Information in the Use of Microscopes in Histology	*John Pani, Julia Chariker, Natalie Claudio, Ronald Fell*
67	The Foundations of Numeracy: Subitizing, Finger Gnosia, and Fine Motor Ability	*Marcie Penner-Wilger, Lisa Fast, Jo-Anne LeFevre, Brenda Smith-Chant*
68	Learning Inductive Constraints: The Acquisition of Verb Argument Constructions	*Amy Perfors, Charles Kemp, Joshua Tenenbaum, Elizabeth Wonnacott*
69	Beyond the Time Cost of Interruptions on Primary Task Performance: Understanding Errors	*Raj Ratwani, Greg Trafton*
70	Memory Systems Involved in Updating Multiple Object Locations	*Bjoern Rump, Yanli Fan, Timothy McNamara*
71	MALTA: Enhancing ACT-R with a Holographic Persistent Knowledge Store	*Matthew Rutledge-Taylor, Robert West*
72	The Repetition Encoding and Chunking Model of Immediate Serial Recall	*Danke Shieh, Jeffrey Elman*
73	Switching Task on Output Dimension Based on Priming Cue of Color Word - Disappearance of the Stroop Effect-	*Hiroyuki Shimada, Noriaki Tsutsumi, Kohei Fukuoka*
74	From Egocentric to Object-Centered Reference Frames: Grounding Visuo-Spatial Cognition in the World	*Vanessa Simmering, John Spencer, Gregor Schoner*
75	Providing Guidance and Opportunities for Self-Assessment and Transfer in a Simulation Environment for Discovery Learning	*Jason Tan, Nathan Skirvin, Gautam Biswas, Kefyn Catley*
76	Relation-Based Categories are Easier to Learn than Feature-Based Categories	*Marc Tomlinson, Bradley Love*

77	Cognitive Basis for Expert and Superior Performance in Law Enforcement	*Paul Ward, Kevin Harris, Anders Ericsson, David Eccles, Lauren Tashman, Laura Hassler Lang*
	Perception and Attention (Saturday, Aug 4)	
78	Modeling Navigation in Degree-of-Interest Trees	*Raluca Budiu, Peter Pirolli*
79	The First Second of Symmetry: Visual Search during Symmetry Verification	*Kenneth Czechowski, Ronald Ferguson, Rudolph Mappus*
80	Creating Perceptual Features Using a BAM-Inspired Architecture	*Gyslain Giguere, Sylvain Chartier, Robert Proulx, Jean-Marc Lina*
81	Investigating Training and Transfer Effects Resulting from Recurrent CBT of X-Ray Image Interpretation	*Saskia Koller, Diana Hardmeier, Stefan Michel, Adrian Schwaninger*
82	Reuniting Categories, Language, and Perception	*Gary Lupyan*
83	Quantitative Estimation of Illusionary Band on the Muller-Lyer Illusion	*Shusaku Nomura, Shuntaro Sasaki*
84	The Integration of Salivary Immunoglobulin A by the Repetitive Stressful Task	*Shusaku Nomura, Tota Mizuno, Akio Nozawa, Hideto Ide*
85	Is Whorf Right (or Left?) Evidence from Aphasia Patients	*Yulia Paluy, Aubrey Gilbert, Juliana Baldo, Richard Ivry*
86	Neural Effects of Nicotine during Auditory Selective Attention and the Stimulus-Filter Hypothesis: An Event-Related Potential Study	*Crystal Villeneuve, Dhrasti Shah, Adam Heenan, Kiley Bolton, Derek Fisher, Anne Millar, Judy McIntosh, Verner Knott*
87	Cognitive Effects of Gaze Input and Stereoscopic Depth on Human-Computer Interaction	*Mei Xiao, Hendrick Melo, Tyler Garaas, Alex Hwang, Marc Pomplun*
	Culture, Concepts, Human-Computer-Interaction, Spatial Cognition, and The Dreaded Miscellaneous (Saturday, Aug 4)	
88	A Multilayer SOM Model for Explaining Category Specific Impairments	*Shin-ichi Asakawa*
89	Entrainment: Personal Experience or Audience-Design?	*Roxanne Benoit*
90	Embodiment of Abstract Concepts	*Daniel Casasanto, Sandra Lozano*
91	Translating from Perceptual to Cognitive Coding	*Tyler Davis, Bradley Love, W. Todd Maddox*
92	Eye-Tracking Evidence for Integration Cost Effects in Corpus Data	*Vera Demberg, Frank Keller*
93	Criteria for Manual Clustering of Verb Senses	*Cecily Jill Duffield, Jena D. Hwang, Susan Brown, Sarah E. Vieweg, Jennifer Davis, Martha Palmer*
94	Cognitive Components of Speech at Different Time Scales	*Ling Feng, Lars Kai Hansen*
95	To the STARC and Back: Effects of Writing Directionality on the Spatial-Temporal Association of Response Codes (STARC)	*Orly Fuhrman, Lera Boroditsky*
96	12-Month-Olds Detect Changes to Goal-Objects in Action	*Jonathan Herberg, Megan Saylor, Daniel Levin*
97	The Effects of Training Experience and Sense of Direction on Wayfinding Efficiency	*Alycia Hund, Sadie Nazarczuk*
98	A Unified Account of Segment Duration and Coarticulatory Effects in Speech Production	*Alan Kawamoto, Qiang Liu*
99	Does the Perception of Spatial Relations Affect the Response Time for Abstract Concepts?	*Carolina Kuepper-Tetzel*
100	Using Computational Text Analysis Tools to Compare the Lyrics of Suicidal and Non-Suicidal Songwriters	*Erin Lightman, Philip McCarthy, Danielle McNamara*
101	A Qualitative Analysis of Expert-Expert Differences in Understanding Aquariums	*Surabhi Marathe, Cindy Hmelo-Silver, Lei Liu*
102	Intersubjectivity as a Basis for Gesture Production	*Mitchell Nathan, David Havas, Chelsea Johnson*

103	An Application of Cognitive Emotional Agent Architecture	*Kohei Noda, Go Hisatsu*
104	Age differences in the Perception of Domain Names:	*Hisao Nojima, Noriko Shingaki*
105	A Cross-Linguistic Comparison of Adults' Attention to Fit	*Heather Norbury, Sandra Waxman*
106	Arithmetic Principle Acqusition via Implicit Learning	*Richard Prather*
107	The Influence of Outcome Severity on Ascriptions of Intention & Punishment	*Aryn Pyke, Deepthi Kamawar, Diana Ridgeway*
108	Preschooler's Understanding of Robots in Comparison with Familiar Entities	*Mark Somanader, Megan Saylor, Daniel Levin*
109	The Role of Gestures in Spatial Explanations Involved a Change in Spatial Perspective	*Tatsuki Takenaga*
110	Integer Comparison and the Inverse Symbolic Distance Effect	*Sashank Varma, Daniel Schwartz, Robb Lindgren, Janet Go*
111	Applying a Cognitive Theory of Learning to Teachers' Knowledge Development	*Keisha Varma, Freda Husic, Marcia Linn*
112	The Meaning of Before versus After	*Lonnie Wakefield, Shulan Lu*
113	A Process Analysis of Idea Generation and Failure	*Hao-Chuan Wang, Carolyn Rose*
114	The Relationship between Learner Characteristic and Interest	*Yeon-kyoung Woo, Sun-Hee Back, Sun-young Lee, Eunsoo Cho, Yoon kyoung Chung, Karam Lim, Cheon-Woo Han, Woogul Lee, Yeonhee So, Sung-il Kim*
115	Exploring How Agents-based Modeling and Culture Affects Children's Understanding of Complex Systems	*Julie Youm, John Black*
116	Aggressive Behavior and Home Field Advantage in Italian *Serie A* Soccer	*Franco Zengaro, Sally Zengaro*

CogSci 2008

Thirtieth Annual Meeting of the Cognitive Science Society

July 23-26
Washington, DC

Conference Co-Chairs: Vladimir M. Sloutsky, Bradley C. Love, and Ken McRae

Highlighted Theme: The Development and Decline of Cognitive Function

Plenary Speakers: Linda B. Smith and David C. Plaut

Submissions due: February 1, 2008
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We encourage cognitive scientists from around the world to submit their best work and to attend CogSci 2008, the world's premiere annual cognitive science conference. Submissions are welcome in all areas of cognitive science.

At CogSci 2008, in addition to papers, posters, and symposia reflecting the full range of cognitive science topics, we will emphasize the theme *The Development and Decline of Cognitive Function*. This theme highlights cognitive science research focusing on the origins and development of cognitive function as well as the decline of cognitive function in the course of normal aging and as a result of brain damage. The theme is central to Cognitive Science and, as Cognitive Science itself, it depends critically on a rigorous theory and a diverse set of methodologies.

To honor this theme, two world-class cognitive scientists whose research exemplifies the theme will give plenary addresses at the conference: **Linda B. Smith** and **David C. Plaut.**

The 2008 Annual Meeting will be the 30th in the Society's history, and this event will be marked by a special 30th Anniversary Symposium organized by **Lawrence W. Barsalou**.

******************************NOTES*****************************