

CogSci 2008 Poster Sessions

Poster Session I

Thursday, July 24

5:30-7:00pm

Attention and Implicit Learning (Thursday, July 24)		
1.	Eye-tracking analysis of cue competition effects reveals learned inattention	<i>Kelly M. Goedert, Brianna M. Eiter</i>
2.	Assessing the role of estimation strategy and representation format in statistical learning	<i>Mirta Galesic, Aron Barbey, Frank Krueger, Jordan Grafman, Gerd Gigerenzer</i>
3.	What to infer from an inference: Prior knowledge and task demands influence contingency learning	<i>Daniel A. Sternberg, James L. McClelland</i>
4.	An iterated learning model of the emergence of vowel harmony	<i>Frédéric Mailhot</i>
5.	Implicit learning and syntactic persistence: Surprisal and cumulativity	<i>T. Florian Jaeger, Neal Snider</i>
6.	Revealing individual differences in the Iowa gambling task	<i>Lee Newman, Thad Polk, Stephanie Preston</i>
7.	Iterated learning as a model for the spatial distribution of linguistic hypotheses	<i>Michael Kalish</i>
8.	Cognitive models of strategy shifts in interactive behavior	<i>Christian P. Janssen, Wayne D. Gray</i>
9.	Blocking effects on dimensions: How attentional focus on values can spill over to the dimension level	<i>Jennifer Kaminski, Andrew Heckler, Vladimir Sloutsky</i>
10.	Evaluating systematicity in neural networks through transformation combination	<i>Esteban Buz, Robert Frank</i>
11.	Reinforcement learning in dynamic environments	<i>Todd Gureckis, Brad Love</i>
12.	Modeling the acquisition of statistical regularities in tone sequences	<i>Amaury Hazan, Piotr Holonowicz, Ines Salselas, Perfecto Herrera, Hendrik Purwins, Alicja Knast, Simon Durrant</i>
13.	Understanding addictive behavior on the iowa gambling task using reinforcement learning framework	<i>Amir K. Dezfuli, Mohammad Mahdi Keramati, Hamed Ekhtiari, Hooman Safaei, Carol Lucas</i>
14.	Issues in acquiring interactive routines	<i>Bella Veksler, Michael Schoelles, Wayne Gray</i>
15.	Modeling the effects of regulatory fit in a dynamic decision-making task	<i>A. Ross Otto, Arthur Markman, Bradley Love</i>
16.	Modeling attentional networks: The modulation effects and simulation of Alzheimer's disease	<i>Fehmida Hussain, Sharon Wood</i>
17.	Multimodal distance perception is a function of multimodally specified effort	<i>Eliah White, Matthew Streit, Kevin Shockley, Michael Riley</i>
18.	Slow saccade lines in eye-track as units of semantic cognition	<i>Yukio Ohsawa, Yusuke Maeda</i>
Causal Cognition (Thursday, July 24)		
19.	The function of causal explanatory reasoning in children	<i>Cristine Legare, Susan Gelman, Henry Wellman, Tamar Kushnir</i>
20.	Assessing psychological theories of causal meaning and inference	<i>Sergio Chaigneau, Aron Barbey</i>
21.	The relationship between causal and counterfactual reasoning	<i>William Jimenez-Leal, Nick Chater</i>
22.	Learning causal models via progressive alignment & qualitative modeling: A simulation	<i>Scott Friedman, Kenneth Forbus</i>
23.	The role of shared features in causal induction	<i>Adam Darlow</i>
24.	Causal priming: How a language production mechanism guides representation	<i>Caitlin Fausey, Neal Snider, Lera Boroditsky</i>
25.	Are self-explanations always beneficial?	<i>Jared Katz, Deanna Kuhn</i>

26.	People distinguish causes that occur to one or multiple entities	<i>Benjamin Rottman, Woo-Kyoung Ahn</i>
27.	Structural determinants of interventions on causal systems	<i>Brian Edwards, Russell Burnett, Frank Keil</i>
28.	This stat seems bogus! Perspectives on causality in determining veracity	<i>Edward Munnich, Michael Ranney, Luke Miratrix, Myles Crain, Luke Rinne</i>
29.	Drawing inferences from causal analogies	<i>Julie Colhoun, Dedre Gentner</i>
30.	Removing the time crutch: Can preschoolers still make causal judgments?	<i>Heidi Kloos, Vladimir Sloutsky</i>
31.	Thinking counterfactually how controllability affects the undoing of causes and enablers	<i>Suzanne Egan, Caren Frosch, Emily Hancock</i>
32.	Why are people bad at detecting randomness? Because it is hard.	<i>Joseph Jay Williams, Thomas Griffiths</i>
33.	Do causal beliefs influence the hot-hand and the gambler's fallacy?	<i>Giorgio Gronchi, Steven A. Sloman</i>
34.	Causal explanations and backward counterfactuals	<i>Morteza Dehghani, Rumien Iliev, Stefan Kaufmann</i>
Concepts and Categories (Thursday, July 24)		
35.	Feature inference and eyetracking	<i>Bob Colner, Bob Rehder, Aaron Hoffman</i>
36.	A prototype-exemplars hybrid cognitive model of "phenomenon of typicality" in categorization: A case study in biological classification	<i>Francesco Gagliardi</i>
37.	Flexible attentional learning in infancy	<i>Vladimir Sloutsky, Christopher Robinson</i>
38.	Rule emergence from an unsupervised, dual-network connectionist model of category learning	<i>Robert French, Rosemary Cowell</i>
39.	Multi-sensory statistical learning: Evidence for modality-general mechanisms	<i>Aaron Mitchel, Daniel Weiss</i>
40.	Effects of category learning on similarity of line stimuli representing social groups	<i>Janet Andrews, Kenneth Livingston, Daniel Bliss, Tatiana Vlahovic</i>
41.	A grammar-based approach to visual category learning	<i>Virginia Savova, Joshua Tenenbaum</i>
42.	Is cognitive activity of speech based on statistical independence?	<i>Ling Feng, Lars Kai Hansen</i>
43.	Mode shifts during category learning	<i>Kimery Levering, Kenneth Kurtz</i>
44.	Modeling unsupervised perceptual category learning	<i>Brenden Lake, Gautam Vallabha, James McClelland</i>
45.	Learned attention to analogical matches as an alternative to re-representation	<i>Marc Tomlinson, Bradley Love</i>
46.	Cooperative categorization: Coordination of reference in learning a joint prediction task	<i>John Voiklis, James Corter</i>
47.	Learning within-category attribute correlations in a one-attribute visual search classification paradigm	<i>Gyslain Giguère, Guy L. Lacroix, Glen Howell, Serge Larochelle</i>
48.	Regulatory fit effects in a nonlinearly separable category learning task	<i>Ruby Nadler, John Paul Minda, Pei-Shiuan Lily Lin</i>
49.	To find fault is easy? The role of comparison in learning a geological structure	<i>Benjamin Jee, David Uttal, Dedre Gentner</i>
50.	Intuitive conceptions of innateness in cognitive science undergraduates	<i>Otto Lappi</i>
51.	Concept creation derived from vacillation	<i>Jun Nakamura, Yukio Ohsawa</i>

Decision Making (Thursday, July 24)		
52.	How folk psychology has determined evolutionary theories about altruism: An alternative perspective based on Tibetan folk psychology beliefs	<i>Robert West</i>
53.	Disjunction effect in prisoner's dilemma: Evidences from an eye-tracking study	<i>Evgenia Hristova, Maurice Grinberg</i>
54.	Polarized correlation-based beliefs: A computational genesis	<i>Richard Anderson, Michael Doherty</i>
55.	Group solution assembly in response to a simulated emergency	<i>David Mendonca, Yao Hu</i>
56.	Language affects the side effect effect	<i>Akira Utsumi, Maki Sakamoto</i>
57.	Is it more wrong to care less? The effects of more and less on the quantity (in)sensitivity of protected values.	<i>Sonya Sachdeva, Douglas Medin</i>
58.	Stages in the evolution of ethnocentrism	<i>Thomas Shultz, Max Hartshorn, Ross Hammond</i>
59.	Ambiguity preference	<i>Liema Davidovich, Yossi Yassour</i>
60.	Mixed effects of distractor tasks on incubation	<i>Sebastien Helie, Ron Sun, Liling Xiong</i>
61.	Inferring population correlations from small samples	<i>Justin Gilkey, Richard Anderson</i>
62.	Tri-part affect: Its structure, its biological basis and its role in decision making	<i>Ken Gunnells</i>
63.	Strategy selection at the technological interface	<i>Matthew Walsh, John Anderson</i>
64.	Applying comparison-induced distortion theory to body-size judgments	<i>Jessica Choplin</i>
65.	The role of mechanism in expectations about the future: Luck and skill	<i>Bruce Burns, Cecilia Cox, Anne Sheridan</i>
66.	Cognitive representations, acculturation, and adolescent risky decision-making.	<i>Wanda Casillas, Valerie Reyna, Britain Mills, Steven Estrada</i>
Language and Speech (Thursday, July 24)		
67.	Phonological priming in infancy	<i>Nivedita Mani, Kim Plunkett</i>
68.	Escaping snakes and acquiring cash: Categorical processing of affective words	<i>Zachary Estes, James Adelman, Sabrina Simmons</i>
69.	Biddies, crones and codgers: Adults connotative understanding of gender-specific vocabulary	<i>Wendelyn Shore, Marianne G. Taylor</i>
70.	Dynamic lexical processing evident in Wiimote trajectories	<i>Nicholas Duran, Rick Dale</i>
71.	Defining the dimensions of the human semantic space	<i>Vladislav Veksler, Ryan Govostes, Wayne Gray</i>
72.	Complex meanings first? On the priority of nouns in language acquisition and evolution	<i>Markus Werning</i>
73.	Incremental syntactic planning across clauses	<i>Carlos Gómez Gallo, Florian T. Jaeger, Ron Smyth</i>
74.	Permutations as a means to encode order in word space	<i>Magnus Sahlgren, Anders Holst, Pentti Kanerva</i>
75.	Beyond monosyllables: Word length and spoken word recognition	<i>Ted Strauss, James Magnuson</i>
76.	Bilingual sentence comprehension in conditions of perceptual and attentional stress	<i>Eileen Cardillo, Jennifer Aydelott</i>
77.	How fundamental is embodiment to language comprehension? Constraints on embodied cognition	<i>Max Louwerse, Patrick Jeuniaux</i>

78.	"A door" or "adore"? Word segmentation in semi-spontaneous speech	<i>Dahee Kim, Anouschka Bergmann, Christine Szostak, Mark Pitt</i>
79.	Connecting phonological encoding to articulation - is cascading required? A computational investigation	<i>H. Susannah Moat, Martin Corley, Robert J. Hartsuiker</i>
80.	Modifying the suffixation preference across domains	<i>Julie Hupp, Vladimir Sloutsky, Peter Culicover</i>
81.	Towards a unified model of word pronunciation	<i>T. Florian Jaeger, Celeste Kidd</i>
82.	Comparative neuroimaging of morphological regularity	<i>So-Hee Kim</i>
83.	Online processing of gender-marked articles by Spanish-speaking children, adults, and second language learners	<i>Casey Lew-Williams</i>
84.	Optimality-theoretic natural language generation in a cognitive architecture	<i>Andrea Heiberg</i>
85.	Semantic cognitive mapping of natural language	<i>Alexei Samsonovich</i>
86.	Meaning construction, spatial language, and past history	<i>Ronan O'Ceallaigh, Kenny Coventry</i>
Learning and Development (Thursday, July 24)		
87.	The role of mental simulation and embodied instruction in promoting understanding of robotics systems	<i>Margaret Chan</i>
88.	Early lexical development: A corpus-based study of three languages	<i>Shuxia Liu, Xiaowei Zhao, Ping Li</i>
89.	Locative case marking and abstraction in child hungarian	<i>Ashley Fidler, Anna Babarczy</i>
90.	Parent-child interactions and note-keeping during science play	<i>Elizabeth Echeveste, Lara M. Triona</i>
91.	Conceptual knowledge of counting: How relevant is order irrelevance?	<i>Jo-Anne LeFevre, Deepthi Kamawar, Jeffrey Bisanz, Sheri-Lynn Skwarchuk, Brenda Smith-Chant, Lisa Fast, Tina Shanahan, Marcie Penner-Wilger, Wendy Ann Deslauriers, Rebecca Watchorn</i>
92.	An evaluation of the testing effect with third grade students	<i>Chandra L. Brojde, Barbara W. Wise</i>
93.	Analogies can facilitate the understanding of counter-intuitive expository texts	<i>Stella Vosniadou, Irini Skopeliti, Svetlana-Lito Gerakakis, Panagiotis Blitsas</i>
94.	Children's computation and representation of past tense	<i>Cristina Dye, Matthew Walenski Stewart Mostofsky, Michael Ullman</i>
95.	The expression of affect in mandarin parent-child conversation	<i>Chiung-chih Huang</i>
96.	Process of comparison: Structural alignment in everyday learning experience	<i>Stella Christie, Dedre Gentner, Vladimir Sloutsky</i>
97.	Representing part-whole relations in diagrams	<i>Reality S. Canty, Alison Superfine-Castro, Anne Marie Marshall</i>
98.	Science play: Comparing children alone, with peers, and with adults	<i>Lara M. Triona, Maureen A. Callanan</i>
99.	Investigating the building blocks of numerical representations: Subitizing and finger gnosis	<i>Marcie Penner-Wilger, Lisa Fast, Jo-Anne LeFevre, Brenda Smith-Chant, Sheri-Lynn Skwarchuk, Deepthi Kamawar, Jeffrey Bisanz, Wendy Ann Deslauriers</i>
100.	Use of referential context in children's language processing	<i>Yi Ting Huang, Jesse Snedeker</i>

101.	Children's acquisition of knowledge about creatures on a continuum: Land-amphibian-water	<i>Robyn Kondrad, Susan C. Somerville</i>
102.	Eye-movement patterns of children with dyslexia: length and frequency effects	<i>Evgenia Hristova, Alexander Gerganov, Ekaterina Todorova</i>
103.	Probabilistic learning with and without feedback	<i>Hanna Muenke, Daphna Shohamy, Natasha Kirkham</i>
104.	They were trained, but they did not all learn: Individual differences in uptake of learning strategy training	<i>Jarrod Moss, Christian Schunn, Kurt VanLehn, Walter Schneider, Kevin Jarbo</i>
105.	Perception for action: Dramatic changes between 18 and 24 months	<i>Sandra Street, Linda Smith</i>
106.	Analysis of infant vocalizations using a self-organizing map	<i>Anne Warlaumont, D. Kimbrough Oller, Eugene H. Buder, Robert Kozma, Rick Dale</i>
Modeling and Cognitive Architecture (Thursday, July 24)		
107.	Controlling biases in demanding tasks	<i>Annerieke Heuvelink, Jan Treur</i>
108.	From modeler-free individual data fitting to 3-d parametric prediction landscapes: A research expedition	<i>Sue Kase, Frank Ritter, Michael Schoelles</i>
109.	Hierarchical Bayesian modeling of individual differences in texture discrimination	<i>Tim Rubin, Michael Lee, Charles Chubb</i>
110.	MORALDM: A computational modal of moral decision-making	<i>Morteza Dehghani, Emmett Tomai, Ken Forbus, Rumien Iliev, Matthew Klenk</i>
111.	Bellwethers and the emergence of trends in online communities	<i>Yasuaki Sakamoto, Elliot Sadlon, Jeffrey Nickerson</i>
112.	Mindmodeling@home	<i>Kevin Gluck, Jack Harris</i>
113.	Bayesian columnar networks for grounded cognitive systems	<i>Florian Röhrbein, Julian Eggert, Edgar Körner</i>
114.	A Bayesian Approach to Diffusion Process Models of Decision-Making	<i>Joachim Vandekerckhove, Francis Tuerlinckx, Michael Lee</i>
115.	A formal analysis of cultural evolution by replacement	<i>Jing Xu, Florencia Reali, Thomas Griffiths</i>
116.	More than 8,192 ways to skin a cat: Modeling behavior in multidimensional strategy spaces	<i>Mason Smith, Richard Lewis, Andrew Howes, Alina Chu, Collin Green, Alonso Vera</i>
117.	Theory-based social goal induction	<i>Chris Baker, Noah Goodman, Joshua Tenenbaum</i>
118.	The model brain: Brain information hydrodynamics (BIH)	<i>Muneo Kitajima, Makoto Toyota, Hideaki Shimada</i>
119.	Dynamical models & mechanistic explanations	<i>Carlos Zednik</i>
120.	Extracting behavioral predictions from quantum cognitive models	<i>Ian Fuss, Daniel Navarro</i>
121.	EVOG: A computer model of the evolution of culture	<i>Liane Gabora</i>
122.	A functional, evolutionary, and developmental model of neocortex	<i>Derek James, Anthony Maida</i>
123.	How many exemplars do we need?	<i>Maarten De Schryver</i>
124.	Preference aggregation based cognitive modeling	<i>Kenryo Indo</i>
125.	Dynamic field theory of sequential action	<i>Yuliya Sandamirskaya, Gregor Schoener</i>
126.	A biologically-plausible cognitive model (BPCM) of positive and negative congruency effects in masked priming	<i>Ahmad Sohrabi, Robert West</i>

127.	Using intrinsic plasticity and Softmax in echo state networks	<i>Umang Mittal, Garrison Cottrell</i>
128.	Grounding classical cognitive science	<i>Bernadette Guimberteau</i>
129.	The possibility of a cognitive architecture	<i>Andrew Brook</i>
130.	Cognitive architecture and the brain	<i>Vincent Bergeron</i>
131.	The conscious structure of the brain	<i>Phil Maguire, Rebecca Maguire, Kyle O' Connor</i>
132.	Investigating functional cooperation in the human cortex with graph-theoretic methods	<i>Michael Anderson, Joan Brumbaugh, Aysu Suben</i>

Poster Session II

Friday, July 25

5:00-7:00pm

Funding Opportunities (Friday, July 25)		
1.	Funding opportunities for cognitive scientists through the institute of education sciences (IES)	<i>Carol O'Donnell</i>
2.	Funding opportunities through the cognitive sciences branch of the army research laboratory (ARL)	<i>Dan Cassenti</i>
3.	Funding opportunities in cognitive science from the office of naval research (ONR)	<i>Paul Bello, Ray Perez</i>
4.	Cognitive science funding opportunities from the national science foundation (NSF)	<i>Ping Li, Betty Tuller</i>
Attention and Memory (Friday, July 25)		
5.	Increased availability of arithmetic facts following working memory processing	<i>Christopher Was, Judith Bilman Paternite, Ryan Wooley</i>
6.	Mutual influences of interlimb coordination dynamics and semantic retrieval dynamics parameters during dual task performance	<i>Adam Kiefer, Bonny Christopher, Kevin Shockley, Michael Riley</i>
7.	Memory in a messy domain: Expertise and memory for mental health disorder	<i>Jessecae March</i>
8.	Testing predictions of the decision-by-sampling theory: Does memory mediate susceptibility to cognitive biases?	<i>Belinda Bruza, Matthew Welsh, Daniel Navarro</i>
9.	Remembering beliefs	<i>Susannah Devitt</i>
10.	Verbal overshadowing as perceptual interference	<i>Ava Santos, Lawrence Barsalou</i>
11.	Effects of divided attention in the word fragment completion task with unique or multiple solutions	<i>Pietro Spataro, Clelia Rossi-Arnaud, Paola Pazzano</i>
12.	Bottom-up model of strategy selection	<i>Tomasz Smoleń, Szymon Wichary</i>
13.	Evaluating mechanisms of fatigue using a digit symbol substitution task	<i>Larry Moore, Glenn Gunzelmann, Kevin Gluck</i>
14.	How memory guides strategy selection	<i>Julian Marewski, Lael Schooler</i>
15.	Memory for musical tone intervals and tonality	<i>Charles Barousse</i>
16.	The role of attention in nonspecific preparation	<i>Rianne van Lambalgen, Sander Los</i>
17.	Bipartite structure of working memory	<i>Adam Chuderski, Zbigniew Stettner, Jaroslaw Orzechowski</i>
18.	Developing a magic number, plus or minus 4: The dynamic field theory reveals why visual working memory capacity estimates differ across tasks	<i>Vanessa Simmering, John Spencer</i>
19.	A model of time estimation considering working memory demands	<i>Nele Pape, Leon Urbas</i>

20.	Autobiographical memory and motor action	<i>Katinka Dijkstra, Daniel Casasanto</i>
21.	Empirical tests of a dynamical field model of infant attention	<i>Joshua Goldberg, Donna Fisher-Thompson, Gregor Schöner</i>
22.	A memory model for cognitive agents	<i>Guilherme Bittencourt</i>
Developmental Perspectives on Learning, Culture, and Cognition (Friday, July 25)		
23.	Evaluation of the efficacy of the Delacato's neuropsychological method in the treatment of 7-12 years old boys with ADHD	<i>Farzad Momeni, Farzaneh MehrabiMansour</i>
24.	Stretching to learn: Ambiguous evidence and variability in preschoolers' exploratory play	<i>Hyowon Gweon, Laura E. Schulz</i>
25.	Children's attention to property likelihood as a guide to property projection	<i>Chris Lawson, Anna Fisher</i>
26.	Trait or situation? Cultural differences in judgment of emotion	<i>Megumi Kuwabara, Ji Y. Son, Linda B. Smith</i>
27.	Preschoolers use sampling information to infer the preferences of others	<i>Tamar Kushnir, Fei Xu, Henry Wellman</i>
28.	Using perceptually rich objects to help children represent number: Established knowledge counts	<i>Lori Petersen, Nicole McNeil</i>
29.	Context and induction: The impact of background context on children's category learning	<i>Haley Vlach, Catherine Sandhofer</i>
30.	Children's counterfactual reasoning strategy in belief contravening problems	<i>Nicole Van Hoeck, Kristien Dieussaert, Russell Revlin</i>
31.	A broken fork in the hand is worth two in the grammar: A spatio-temporal bias in children's interpretation of quantifiers and plural nouns	<i>Vicente Melgoza, Amanda Pogue, David Barner</i>
32.	Bridging the gap: Children's developing inferences about objects? Labels and insides from causality-at-a-distance	<i>David Buchanan, David Sobel</i>
33.	Do preschoolers track a characters mental perspective while listening to a story?	<i>Agnieszka Fecica, Daniela O'Neill</i>
34.	Development of synonym-based induction	<i>Bryan Matlen, Anna Fisher</i>
35.	Causal supports for early word learning	<i>Amy Booth</i>
36.	Can analogy help children make transitive inference?	<i>Milena Mutafchieva, Boicho Kokinov</i>
37.	Easy or not easy: Young children's false belief understanding in communicative situations	<i>Kensuke Sato</i>
Learning (Friday, Aug 3)		
38.	Theory acquisition and the language of thought	<i>Charles Kemp, Noah Goodman, Joshua Tenenbaum</i>
39.	Temporal continuity in cross-situational statistical learning	<i>George Kachergis, Chen Yu</i>
40.	Cognitively based assessment of, for and as learning: A 21st century approach for assessing reading competency	<i>Tenaha O'Reilly, Kathleen Sheehan</i>
41.	An embodied approach to achieving mastery and learning while you work	<i>Brian Krisler, Richard Alterman</i>
42.	A Bayesian model of compositional semantics acquisition	<i>Steven Piantadosi, Noah Goodman, Benjamin Ellis, Joshua Tenenbaum</i>
43.	Capturing conceptual change in dialogues: An analysis framework	<i>Michael Tscholl, John Dowell</i>
44.	Teaching games: Statistical sampling assumptions for learning in pedagogical situations	<i>Patrick Shafto, Noah Goodman</i>
45.	The importance of ordinary experience: Providing girls with time for regular practice of mathematical cognition	<i>Robin Flanagan, Theresa Canada</i>
46.	Connectionist model of artificial grammar learning: Simulations based on Higham (1997) indexes of knowledge representation	<i>Michal Wierzhon, Jakub Barbasz</i>

47.	The stability and strength of knowledge representation acquired during artificial grammar learning	<i>Michal Wierzchon, Dariusz Asanowicz</i>
48.	Guided learning by reading (LBR) as a cognitive growth model	<i>Alexei Samsonovich</i>
49.	An alternative view of the relation between finger gnosis and math ability: Redeployment of finger representations for the representation of number	<i>Marcie Penner-Wilger, Michael L. Anderson</i>
50.	Learning composable signals for a cognitive substrate	<i>Jacob Beal</i>
51.	Learning abstract principles through principle-case comparison	<i>Julie Colhoun, Dedre Gentner, Jeffrey Loewenstein</i>
52.	A model-based approach to second-language learning of grammatical constructions	<i>Gwen Frishkoff, Lori Levin, Phil Pavlik, Jr., Kaori Idemaru, Nel De Jong</i>
53.	Sub-functions of human learning process during a sequential task	<i>Sergey Tarasenko, Toshio Inui, Abdikeev Niyaz</i>
54.	Learning the form of causal relationships using hierarchical Bayesian models	<i>Christopher Lucas, Thomas Griffiths</i>
55.	Coding by "DeMAND": Identifying the dimensions of student dialogue that underlie theories of learning	<i>Gwendolyn Campbell, Natalie Steinhauser, Myroslava Dzikovska, Johanna Moore, Charles Callaway</i>
Expertise and Explanation (Friday, July 25)		
56.	Effects of scaffolding problem formulation phase during multifaceted physics problem-solving	<i>Serkan Toy, Dale Niederhauser, John Jackman, Craig Ogilvie, Sarah Ryan</i>
57.	Conceptual coherence in philosophy education - visualizing initial conceptions of philosophy students with self-organizing maps	<i>Anna-Mari Rusanen, Otto Lappi, Timo Koskenniemi, Mikael Nederström</i>
58.	The content of self-explanations while studying incomplete worked-out examples	<i>Robert Hausmann, Brett van de Sande, Kurt VanLehn</i>
59.	Knowledge integration in creative problem solving	<i>Sebastien Helie, Ron Sun</i>
60.	Physicians' use of deep features: Expertise differences in patient categorization	<i>Sarah Devantier, John Paul Minda, Wael Hadarra, Mark Goldszmidt</i>
61.	How expert tutors revise tutoring policies and strategies when students make mistakes	<i>Evelyn Lulis, Shlomo Argamon, Martha Evens</i>
62.	Development of conceptual understanding and problem solving expertise in chemistry	<i>Jodi Davenport, David Yaron, Kenneth Koedinger, David Klahr</i>
63.	Weak designation of cognitive engagement in diagrams	<i>Rossano Barone, Peter Cheng</i>
64.	Does the use of diagrams as communication tools result in their internalization as personal tools for problem solving?	<i>Yuri Uesaka, Emmanuel Manalo</i>
65.	Productive failure in mathematical problem solving	<i>Manu Kapur, Leigh Dickson, Pui Yhing Toh</i>
66.	On the challenges of maintaining and managing conversation in clinical interviews	<i>Victor Lee, Rosemary Russ, Bruce Sherin</i>
67.	Comparing similar or dissimilar examples for analogical transfer	<i>Young Hoan Cho</i>
68.	"Is the missing 1 dollar in the cheater's hand?": The cheater detection module as a constraint within insight problem solving-	<i>Keiga Abe, Masanori Nakagawa</i>
69.	Diagram interaction during intelligent tutoring in geometry: Support for knowledge retention and deep transfer	<i>Kirsten Butcher, Vincent Aleven</i>
70.	Examining first grade students' reading skill growth through a culturally-responsive vocabulary intervention	<i>Phyllis Swann Underwood, Carol McDonald Connor</i>
71.	The effects of skill diversity in peer feedback: it's what you don't know	<i>Melissa Nelson, Brandi Melot, Christopher Stevens, Christian Schunn</i>

72.	What does it take to learn from natural tutorial instruction? Some implications for the design of electronic students	<i>Yolanda Gil</i>
73.	Toward a process model of explanation	<i>John Hummel, David Landy, Derek Devnich</i>
74.	Transitions, analogical processes, and expertise in contemporary art: A detailed case study	<i>Jude Leclerc, Takeshi Okada, Sawako Yokochi, Frederic Gosselin</i>
Judgment and Reasoning (Friday, July 25)		
75.	Extending and testing the Bayesian theory of generalization	<i>Daniel Navarro, Michael Lee, Matthew Dry, Benjamin Schultz</i>
76.	Laws and makeups in context-dependent reduction relations	<i>Jan Treur</i>
77.	Approaches on neurocomputational self-organizing behavioural modeling	<i>Spyridon Revithis</i>
78.	Building production systems with realistic spiking neurons	<i>Terrence C. Stewart, Chris Eliasmith</i>
79.	Computational analysis on graphic generation: Effects of surface and structure similarity	<i>Junya Morita</i>
80.	The fragmented folk: More evidence of stable individual differences in moral judgments and folk intuitions	<i>Adam Feltz, Edward Cokely</i>
81.	Inhibition needs no negativity: Negative links in the construction-integration model	<i>Michael Rowe, Danielle McNamara</i>
82.	When do we stop calling them mirror neurons?	<i>Sebo Uithol, Pim Haselager, Harold Bekkering</i>
83.	Mental space mapping applied to argument	<i>Marcello Guarini</i>
84.	The Bayesian logic of conjunction fallacies: Probability rating tasks and pattern-sensitivity	<i>Momme von Sydow</i>
85.	A parallel distributed processing model of accessibility of attachment knowledge	<i>Roxanne Thrush, David Plaut</i>
86.	Sadder but wiser induction? Situation-personality interaction revealed by an inductive reasoning model	<i>Kayo Sakamoto, Masanori Nakagawa</i>
87.	A systematic comparison of semantic models on human similarity rating data: The effectiveness of subsampling	<i>Ben Stone, Simon Dennis, Peter Kwantes</i>
88.	Specific impairments in cognitive development: A dynamical systems approach	<i>Frank Baughman, Michael Thomas</i>
89.	Finding feature representations of stimuli: Combining feature generation and similarity judgment tasks	<i>Matthew Zeigenfuse, Michael Lee</i>
90.	Modeling two kinds of reasoning	<i>Evan Heit, Caren Rotello</i>
91.	Logical thinking, deontic reasoning, and the fairness principle: Exploring the relationship between selection tasks and the ultimatum game	<i>Kuninori Nakamura</i>
92.	Probability estimates in diagnostic reasoning: variations of causal links and modeling of uncertainty	<i>Franziska Bocklisch, Georg Jahn, Katja Mehlhorn, Josef F. Krems</i>
93.	Truth-based or possibility-based compatibility judgments and Handley et al.'s (2006) litmus test of the suppositional conditional.	<i>Walter Schroyens</i>
94.	Instruction determine scanning order in short-term judgments of relative order	<i>Michelle Chan, Jeremy B. Caplan</i>
Language and Concepts (Friday, July 25)		
95.	Similarity between vowels influences response execution in word identification	<i>Jason D. Zevin, Thomas A. Farmer, Bruce D. McCandliss</i>
96.	Presentation modality in age of acquisition rating reflects mode of acquired knowledge: Evidence from category-specific effects	<i>Armina Janyan, Elena Andonova</i>

97.	The duck/rabbit illusion: Re-examination of information encapsulation	<i>Aysu Suben, Michael Anderson, Tony Chemero</i>
98.	Top-down and bottom-up processes in web search navigation	<i>Shu-Chieh Wu, Craig Miller</i>
99.	Examining the hidden factors that underpin semantic representation: What functional brain imaging reveals about the neuroarchitecture of object knowledge	<i>Kai-min Kevin Chang, Tom Mitchell, Marcel Adam Just</i>
100.	Different mechanisms control the allocation of perceptual processing resources and decisional resources in perceptual categorization	<i>Duncan Guest</i>
101.	Classifying objects based on their visual similarity to target categories	<i>Wei Zhang, Dimitris Samaras, Gregory Zelinsky</i>
102.	Category labels highlight feature interrelatedness in similarity judgment	<i>Na-Yung Yu, Takashi Yamauchi, Jay Schumacher</i>
103.	Autonomous perceptual feature extraction in a topology-constrained architecture	<i>Sylvain Chartier, Gyslain Giguère</i>
104.	The ideal representation of role-governed categories	<i>Micah Goldwater, Hunt Stilwell, Arthur Markman</i>
105.	Is prototypical typical?	<i>Wolf Vanpaemel, Eef Ameel</i>
106.	The effect of the internal structure of categories on perception	<i>Todd Gureckis, Rob Goldstone</i>
107.	Does functional knowledge have a privileged status in the speeded computation of word meaning?	<i>Ada Le, Renante Rondina II, George Cree</i>
108.	Representational formalism in which syntax and semantics are congruent: Towards the resolution of Searle's Chinese room challenge	<i>Lev Goldfarb</i>
109.	Vacillation and hesitation in category rating: Evidence from pc cursor trajectories	<i>Kenpei Shiina</i>
110.	Viewing anthropomorphic animals increases anthropocentrism	<i>Patricia Herrmann, Douglas Medin, Sandra Waxman</i>
Words and Word Learning (Friday, July 25)		
111.	Vocabulary development in English and Chinese: A comparative study with self-organizing neural networks	<i>Xiaowei Zhao, Ping Li</i>
112.	LSA as a measure of coherence in second language natural discourse	<i>Scott Crossley, Thomas Salisbury, Philip McCarthy, Danielle McNamara</i>
113.	Sound symbolism in word learning	<i>Lynne Nygaard, Allison Cook, Laura Namy</i>
114.	Identifying cognitive and linguistic strategies in successful nonfiction writing	<i>Gregory Aist</i>
115.	A stochastic model for the vocabulary explosion	<i>Colleen Mitchell, Bob McMurray</i>
116.	Learning words from context	<i>Vladimir Sloutsky, Xin Yao</i>
117.	Prior knowledge bootstraps cross-situational learning	<i>Krystal Klein, Chen Yu, Richard Shiffrin</i>
118.	Words or word boundaries? Examining performance on statistical word segmentation tasks	<i>Jeremy Glick, James McClelland</i>
119.	Structuring the Turkish vowel space	<i>Brian Dillon, William Idsardi, Colin Phillips</i>
120.	Cross-situational statistical word-learning under sparse coding: The effects of fewer words and more possible referents	<i>Brian Riordan, Chen Yu</i>
121.	Sound versus meaning: What matters most in early word learning?	<i>Sarah Sahni, Timothy Rogers</i>
122.	The automaticity of statistical word learning	<i>Chen Yu, George Kachergis, Rich Shiffrin</i>

123	Inferring a probabilistic model of semantic memory from word association norms	<i>Mark Andrews, David Vinson, Gabriella Vigliocco</i>
124	On the utility of conjoint and compositional frames and utterance	<i>Daniel Freudenthal, Julian Pine, Fernand Gobet</i>
125	Gradations in phonological learning	<i>Stephanie Packard, Prahlad Gupta</i>
126	Acquisition and representation of grammatical categories: Grammatical gender in a connectionist network	<i>Jelena Mirkovic, Mark Seidenberg, Maryellen MacDonald</i>
127	If you haven't got a head, get a label!	<i>Vanja Kovic, Kim Plunkett, Gert Westermann</i>
128	Word sense and sensibility: Mental representations of polysemy	<i>Susan Brown</i>
129	ERPs and evoked gamma-band oscillations in a single-word translation: Concreteness effect in cognates and non-cognates	<i>Armina Janyan, Ivo Popivanov, Elena Andonova</i>
130	Statistical co-learning of visual and linguistic regularities to improve word-learning	<i>Brian Riordan, Chen Yu</i>
131	Mutual exclusivity in adjective learning: The case of bilingual children and monolingual children	<i>Hanako Yoshida, Megumi Kuwabara, Maria Guerrero</i>
Modeling and Experimental Approaches to Cognitive Processing (Friday, July 25)		
132	The amorphous fixation measure revisited: With applications to autism	<i>Frederick Shic, Katarzyna Chawarska, Brian Scassellati</i>
133	The phylogenetic roots of cognitive dissonance	<i>Jennifer Vonk, Samantha West</i>
134	Predicting cognitive driver distraction with threaded cognition theory	<i>Dario Salvucci</i>
135	A graphical chunk production model: Evaluation using graphical protocol analysis with artificial sentences	<i>Peter Cheng, Hector Rojas-Anaya</i>
136	Why common approaches for measuring vocabulary difficulty, syntactic complexity and referential cohesion yield biased estimates of text difficulty	<i>Kathleen Sheehan, Irene Kostin, Yoko Futagi</i>
137	The interaction between information and intonation structure: Prosodic marking of theme and rheme	<i>Max Louwerse, Patrick Jeuniaux, Bin Zhang, Ehsan Hoque</i>
138	Perception of direction and its influence on geometric discoveries	<i>Francisco Lara-Dammer, Douglas Hofstadter</i>
139	Storage and recall in simple recurrent neural networks	<i>Christo Kirov</i>
140	One of these greebles is not like the others: Latent structure and decision processes in visual perception	<i>Rachel Stephens, Daniel Navarro</i>
141	How perception and mapping interact during the analogy-making process and the process of reinterpretation	<i>Boicho Kokinov, Svetlin Kosev</i>
142	A fast computational model of analogical retrieval (and mapping)	<i>Dervla O'Keeffe, Fintan Costello</i>
143	Timecourse of recovery from interruptions: Searching for common trends across multiple environments	<i>David Cades, Raj Ratwani, J. Gregory Trafton, Deborah Boehm-Davis</i>
144	Toward a model of differential influence in discussions: Negotiating quality, authority, and access within a heated student argument	<i>Randi A. Engle, Maxine McKinney de Royston, Jennifer Langer-Osuna</i>

145	An integrated model of action video game play	<i>Marc Destefano</i>
146	Individual differences in sustained vigilant attention: Insights from computational cognitive modeling	<i>Glenn Gunzelmann, L. Richard Moore, Kevin A. Gluck, Hans P. A. Van Dongen, David F. Dinges</i>
147	Spatial modeling using a bimodal cognitive architecture	<i>Unmesh Kurup, B Chandrasekaran</i>
148	A computational model of repetition blindness using a liquid state machine	<i>Patrick Hynes, Ronan Reilly</i>
149	A single layer network model of center embedding and hierarchical phrase structure in sentence processing	<i>Simon Dennis, Dennis Mehay</i>
150	Computational perception of sizes	<i>Julia Taylor, Lawrence Mazlack</i>
151	The speed/accuracy tradeoff in estimating means: The role of data characteristics	<i>Bradley Morris, Amy Masnick, Christa Natschke, Adrienne Spenner, Stephanie Hammond, Deardra Kearney</i>
152	An analysis of the human processing of verbal humour through eye-tracking experiments	<i>Rada Mihalcea, Stephen Pulman, Vanja Kovic, Kim Plunkett</i>
153	Discrete measurement of sensory information using Bayesian networks	<i>Chris Thornton</i>
Spatial Cognition (Friday, July 25)		
154	Effects of social information on distance estimation	<i>Justin L. Matthews, Teenie Matlock</i>
155	Encoding spatial layout in the dark: Robustness of visual spatial learning	<i>Naohide Yamamoto, John W. Philbeck</i>
156	The impact of attentional shifts on spatial memory in early childhood	<i>Anne Schutte, Brian Keiser, Chelsie Kobza-Guerrero, Margaret Ortmann</i>
157	The integration of spatial information across different perspectives	<i>Jan Wiener, Tobias Meilinger, Alain Berthoz</i>
158	Segmentation of inside-outside relations and complex contours in the parietal lobes	<i>Nabeela Akhtar, M Jane Riddoch, Glyn W Humphreys</i>
159	The role of animacy in the use of imagined spatial transformations	<i>Alfred Yu</i>
160	Spatial location uncertainty as modifier of attentional asymmetries	<i>Dariusz Asanowicz, Piotr Wolski</i>
161	Pointing out the role of gesture in spatial development	<i>Megan Sauter, David Uttal</i>
162	How visual information affects a spatial task	<i>Peter Khooshabeh, Mary Hegarty</i>
163	Spatial skills as predictors of geometry achievement	<i>Yvonne Kao, John Anderson</i>
164	You drive all the way to ...?! Effects of previous environment and travel patterns on spatial scaling	<i>Penney Nichols-Whitehead, Stephanie Smith, Paige Werner, Tara Amarose, Hilary Swaney, Tiffany Rowe, Megan Hennessey</i>
165	The relationship between the perception of symmetry and spatial memory	<i>Margaret Ortmann, Anne Schutte</i>
166	Mental rotations and spatial cognition: Comparisons between vision and touch	<i>André Caissie, Lucette Toussaint</i>
167	Spatial reasoning in cognitive architectures	<i>Michael Matessa</i>
168	Around the world in 80 steps or how to represent space from within	<i>Brian Milligan, Jun Luo</i>
169	Spatial cognition in different spaces	<i>Harry Haladjian, Carlos Montemayor</i>
170	Regularities of shapes in visuospatial imagination: Evidence from drawings	<i>Jim Davies</i>

Poster Session III**Saturday, July 26****5:00-7:00pm**

Higher-Order Cognition: Problem Solving, Reasoning and Decision Making (Saturday, July 26)		
1.	Faith: Serving affective epistemic goals rather than evidence-coherence	<i>Thomas Griffin</i>
2.	Bayesian modeling of human sequential decision-making on the multi-armed bandit problem	<i>Daniel Acuna, Paul Schrater</i>
3.	Investigating distributed decisions using bandit problem environments	<i>Sheng Kung Yi</i>
4.	Mistaking the instance for the rule: A critical analysis of the truth-table paradigm and implications for theories of conditional reasoning.	<i>Walter Schroyens</i>
5.	Automatic processes underlying the availability of alternative explanations when dealing with anomalous data	<i>Katja Mehlhorn, Martin R. K. Baumann, Franziska Bocklisch</i>
6.	Ageing, plasticity, and cognitive reserve in connectionist networks	<i>Michael Thomas</i>
7.	Problem representations in multi-tasking: An additional cognitive bottleneck	<i>Jelmer Borst, Niels Taatgen, Hedderik van Rijn</i>
8.	Incongruity of premise content and type affects reasoning performance	<i>Sharon Lee Armstrong</i>
9.	Modeling ancient and modern arithmetic practices: Addition and multiplication with Arabic and Roman numerals	<i>Dirk Schlimm, Hansjoerg Neth</i>
10.	Deontic reasoning squared	<i>Sieghard Beller</i>
11.	How the appearance of an operator affects its mathematical precedence	<i>David Landy, Michael Jones, Robert Goldstone</i>
12.	Understanding complex problem solving: The case of ethics decision-making	<i>Russell Robbins, William Wallace</i>
13.	A critical review of thinking about what is true, possible and irrelevant in reasoning from or reasoning about conditional propositions: corrective meta-analyses and a consequent reconsideration of theoretical argumentation based on the truth-table task literature.	<i>Walter Schroyens</i>
14.	Goal-driven hypothesis testing in a rule discovery task	<i>Frederic Vallee-Tourangeau, Teresa Payton</i>
15.	Illusory inferences about embedded disjunctions	<i>Sangeet Khemlani, Philip Johnson-Laird</i>
16.	Coincidences and the encounter problem: A formal account	<i>Jean-Louis Dessalles</i>
17.	Questioning Chase and Simon's (1973) "Perception in Chess"	<i>Alexandre Linhares</i>
18.	Distributed cooknition: Problem solving in professional kitchens	<i>Aras Bilgen, Nancy J. Nersessian, Wendy Newstetter</i>
19.	The potential of collaboration and knowledge awareness for supporting analogical problem solving	<i>Antonia Baumeister, Tanja Engelmann, Friedrich W. Hesse</i>
20.	The relationship between self-reflection and performance on cognitive tasks	<i>Xu Xu</i>
21.	Meaning negotiation and situational interest	<i>Marco Cruciani</i>
Information Processing in Problem Solving and Language Tasks (Saturday, July 26)		
22.	Complex-arithmetic problem solving: Differences among Belgians, Canadians, and Chinese	<i>Ineke Imbo, Jo-Anne LeFevre</i>
23.	The production of free standing and bound morphemes in language production: A task comparison	<i>Niels Janssen, Niels Schiller, F.-Xavier Alario</i>

24.	Does verbalization always impair insight problem solving?	<i>Sachiko Kiyokawa, Mariko Kirihara</i>
25.	The difference in brain activity by the difference in reading speed: A psychological experiment and NIRS measurements	<i>Kazuhiro Ueda, Naoya Kato, Haruaki Fukuda, Toyofumi Sasaki, Masaharu Kato</i>
26.	Entropy and set size in free association	<i>Lance Hahn</i>
27.	Effects of constituency on the processing of lexicalized and novel compound words	<i>Robert Fiorentino, Ella Fund-Reznicsek</i>
28.	Is it better to give than to receive? The assistance dilemma as a fundamental unsolved problem in the cognitive science of learning and instruction	<i>Ken Koedinger, Phillip Pavlik, Bruce McLaren, Vincent Aleven</i>
29.	Concepts are not “webs of sensation”: Evidence from motion words.	<i>Marina Bedny, Alfonso Caramazza, Emily Grossman, Alvaro Pascual-Leone, Rebecca Saxe</i>
30.	Evidence for the early detection of voicing mismatch in obstruent consonant clusters	<i>So-One Hwang, Philip J. Monahan, William J. Idsardi</i>
31.	An ACT-R representation of information processing in autism	<i>Michael Matessa</i>
32.	Brain interactions of language and attention: Neurocomputational and neurophysiological studies	<i>Max Garagnani, Yury Shtyrov, Thomas Wennekers, Friedemann Pulvermüller</i>
33.	How do bilingual speakers deal with phonological similarity across languages? An investigation of syllable production processes	<i>F.-Xavier Alario, Violaine Michel, C. Castellano, Jeremy Goslin, Marina Laganaro</i>
34.	When and how often should problem solutions be given to students? New results and a summary of the current state of research	<i>Bruce McLaren, Sung-Joo Lim, Ken Koedinger</i>
35.	Phonological and orthographic consistency effects in cortex for normal and impaired readers	<i>Donald Bolger, Jennifer Minas, Fan Cao, Douglas Burman, James Booth</i>
36.	Category properties and the category-order effect	<i>Jordan Schoenherr, Robert Thomson</i>
37.	Online ill-structured problem-solving strategies	<i>Serkan Toy, Dale Niederhauser</i>
38.	Dissimilarity and blending: Bases for the concept-synthesizing process- comparison between the linguistic interpretation and design processes	<i>Yukari Nagai, Futoshi Mukai, Toshiharu Taura</i>
39.	Multimodal text-graphics comprehension: The role of annotation position in causal attributions	<i>Cengiz Acarturk, Christopher Habel</i>
40.	When do temporal expectancies guide retrospective judgments of waiting time?	<i>Florian Klapproth</i>
41.	When do subjects falsify?	<i>Jonathan D. Nelson, Flavia Filimon, Garrison W. Cottrell</i>
42.	A Brunswikian framework of persuasion: Which arguments do communicators select?	<i>Torsten Reimer, Ralph Hertwig, Sanja Sipek, Bing Han</i>
Language Processing (Saturday, July 26)		
43.	A connectionist account of grammatical category deficits in aphasia.	<i>Christine E. Watson, David C. Plaut</i>
44.	Prosodic correlates of linguistic and extra-linguistic information in Dutch	<i>Diana Dimitrova, Gisela Redeker, Markus Egg, John Hoeks</i>
45.	Individual differences in language processing: An embodied approach	<i>Xu Xu</i>
46.	Reversed concreteness effect and differentiated cognate processing determined by direction of translation and L2 proficiency	<i>Marina Hristova, Armina Janyan</i>
47.	A single-mechanism dual-route model of German verb inflection	<i>Nicolas Ruh, Gert Westermann</i>
48.	New perspective for verb learning	<i>Hanako Yoshida, Linda Smith, Brian Weisinger</i>

49.	What does a shopper expect to save? The role of event knowledge in verb interpretation	<i>David Race, Natalie Klein, Mary Hare, Michael Tanenhaus</i>
50.	Online expectations for verbal arguments conditional on event knowledge	<i>Klinton Bicknell, Jeffrey Elman, Mary Hare, Ken McRae, Marta Kutas</i>
51.	Individuals vary in the conception of input-output feature of mental processes	<i>Xu Xu</i>
52.	Event knowledge vs. verb knowledge	<i>Jon Willits, Rachel Sussman, Michael Amato</i>
53.	Dissociation patterns between schizophrenic patients and their controls in theory of mind and language comprehension tasks	<i>Jose M. Gavilan, Jose E. Garcia-Albea</i>
54.	Word order in Japanese sentences biases the interpretation of ambiguity	<i>Keiko Nakamoto</i>
55.	Verb-generation priming is based on verb-concept selection and verb production	<i>Eva de la Riva Lopez, Wendy Francis, Julisa Caraballo</i>
56.	Schematisation of the lexical meanings : A case study	<i>Mbame Nazaire</i>
57.	Identifying emotional characteristics from short blog texts	<i>Alastair Gill, Robert French, Darren Gergle, Jon Oberlander</i>
58.	The influence of associative interference on cued recall of word pairs	<i>Mayank Rehani, Jeremy Caplan</i>
59.	Early and late effects of morphological decomposition: Brain correlates of family size effects on complex words and pseudowords	<i>Miguel Lazaro, Javier S. Sainz</i>
60.	Discourse relations in context: Structural effects in the comprehension of texts	<i>Eyal Sagi</i>
61.	Position of complements and complementation frames within lexical representation of verbs	<i>Stanislava Antonijevic</i>
62.	How different are familiar metaphors from unfamiliar ones?	<i>Tomohiro Taira, Takashi Kusumi</i>
Spatial Cognition and Spatial Language Processing (Saturday, July 26)		
63.	Hypothetical drawing in embodied spatial reasoning	<i>Atsushi Shimojima, Yasuhiro Katagiri</i>
64.	On the path to understanding the on-line processing of grammatical aspect	<i>Sarah Anderson, Teenie Matlock, Caitlin Fausey, Michael Spivey</i>
65.	Using diagrams to design information systems	<i>James Corter, Jeffrey Nickerson, Barbara Tversky, Doris Zahner, Yun Jin Rho</i>
66.	Temporal concepts and frames of reference: Thinking about time between language and space	<i>Alexander Kranjec, Laraine McDonough</i>
67.	The cognitive plausibility of the use of cognitive maps and the mental simulation of others	<i>William Kennedy</i>
68.	Comparing the utility of pairwise and feature-derived similarity measures for generating spatial representations of semantic concepts	<i>Matthew Dry, Gert Storms</i>
69.	The influence of perceptual difficulty on family resemblance sorting	<i>Fraser Milton, Andy Wills</i>
70.	Good times, bad times: Valence influences the adoption of spatio-temporal metaphors	<i>Christopher H. Ramey, Evangelia G. Chrysikou</i>
71.	Role of imagistic simulation in creative scientific thought experiments	<i>John Clement</i>
72.	A model of language processing and spatial reasoning	<i>Scott Douglass, John Anderson</i>
73.	Integrating semantic and visual aspects of online information search	<i>Hansjoerg Neth, Evan W Patton, Steven Banas, Michael J Schoelles, Wayne D Gray</i>
74.	Structured meme theory: How is informational inheritance maintained?	<i>Makoto Toyota, Muneo Kitajima, Hideaki Shimada</i>
75.	Aptness is a bear: Evaluating the relationship between metaphor quality and metaphor comprehension	<i>Brian Bowdle</i>

76.	The thermal qualities of substance: A cross-cultural account	<i>Srini Narayanan</i>
77.	Multimodal characterization of breast cancer screening anomalies	<i>Monica Gemo, Olga Vybornova, Benoit Macq</i>
Memory (Saturday, July 26)		
78.	Working memory components in the Wisconsin card sorting task	<i>Pavel Grebenkov, Jobina Li, Gordon Griffiths, Arman Tajarobi, Abeer Mourad</i>
79.	Expertise in a map reading task: The role of schemas in the processing of topographical relief information	<i>Robin Kent, Peter Cheng</i>
80.	A working memory simulator for computational estimation of cognitive load during learning	<i>François Courtemanche, André Mayers, Mehdi Najjar</i>
81.	Memory processes in perceptual decision making	<i>Manish Saggarr, Risto Miikkulainen, David M. Schnyer</i>
82.	Practice effects on interruption tolerance in algebraic problem-solving	<i>Diana Woelki</i>
83.	Learning from scrolling interfaces: Interactions with working memory capacity.	<i>Christopher A. Sanchez, Jennifer Wiley</i>
84.	Learning correct responses and errors in the Hebb repetition paradigm	<i>Daniel Lafond, Mathieu Couture, Sébastien Tremblay</i>
85.	Computational modeling of mental imagery in chess: A sensitivity analysis	<i>Fernand Gobet, Andrew J. Waters</i>
86.	Induction and recollection in explicit and implicit category learning	<i>Michael Romano</i>
87.	Demonstrating limited cognitive reception bandwidth	<i>Eshaa Alkhalifa</i>
88.	Crossover effect as observed in individuals with learning disabilities	<i>Beth Hartzler, Richard Anderson, Frederick Parente, Bryan Devan, Herbert Petri</i>
89.	Linking target estimation and cued recall through common working and long term memory processes	<i>Evelina Dineva, John Spencer</i>
90.	Can unsuccessful tests enhance learning?	<i>Lindsey Richland, Liche Sean Kao, Nate Kornell</i>
91.	The influence of stimulus frequencies and task instruction in artificial grammar learning	<i>Fenna Poletiek, Nick Chater</i>
92.	From list learning to semantic knowledge: Search and learning of associative memory	<i>Greg Cox, J. Isaiah Harbison, Eddy Davelaar</i>
93.	Crossmodal binding in working memory	<i>Anne Gilman, Colin Ware</i>
94.	Remembrance of things tagged: How tagging affects human information processing	<i>Raluca Budi, Peter Pirolli, Lichan Hong</i>
Perspectives on Learning (Saturday, July 26)		
95.	Prior knowledge and the role of the structure of a learning environment on self-regulated learning with hypermedia	<i>Roger Azevedo, Amy Witherspoon, Shanna Smith, Gwyneth Lewis, Emily Siler</i>
96.	The role of integration scaffolding in learners' self-regulated learning with multiple external representations	<i>Amy Witherspoon, Roger Azevedo</i>
97.	Does a lack of contiguity with visual text cause the modality effect in multimedia learning?	<i>Anne Schueler, Katharina Scheiter, Peter Gerjets, Ralf Rummel</i>
98.	Adolescents' use of multiple representations of information in self-regulated and externally-regulated learning with hypermedia	<i>Amy Witherspoon, Roger Azevedo, Shanna Baker, Gwyneth Lewis</i>
99.	Coordinating principles and examples through analogy and explanation	<i>Timothy Nokes, Kurt VanLehn, Daniel Belenky</i>
100.	Perceptual learning in mathematics education	<i>Ji Son, Christine Massey, Zipora Roth, Warren Longmire, Timothy Burke, Joel Zucker, Philip Kellman</i>
101.	Students' beliefs about learning english as a foreign language	<i>Raquel Garcia Jurado</i>
102.	Learning disabled students, metacognition, and informative writing	<i>Delayne Connor</i>

103	Are self-explaining and coached problem solving more effective when done by pairs of students than alone?	<i>Robert Hausmann, Brett van de Sande, Kurt VanLehn</i>
104	The effects of feedback elaboration on the giver of feedback	<i>Ryan Wooley, Christopher Was, Christian Schunn, David Dalton</i>
105	Using teachable agent feedback to support effective learning by teaching	<i>Gautam Biswas, Rod Roscoe, John Wagster</i>
106	The effect of concrete and abstract manipulatives on efficient and innovative learning	<i>Daniel Belenky, Timothy Nokes</i>
107	Impact of the 2d and 3d vision on the learning of fine motor skills according to the instrumental dimension: Implications for training in minimal invasive surgery	<i>Adélaïde Blavier, Anne-Sophie Nyssen</i>
108	Designing structured invention tasks to prepare for future learning	<i>Ido Roll, Vincent Aleven, Kenneth Koedinger</i>
109	Using self-explanation to improve algebra learning	<i>Julie Booth, Kenneth Koedinger, Robert Siegler</i>
Object and Scene Perception (Saturday, July 26)		
110	The seduction of symmetry: Bias in the manual rotation of a virtual object	<i>Andrew Stull, Mary Hegarty, Richard E. Mayer</i>
111	Effects of action orientation on coping with negativity in prisoners dilemma game playing	<i>Gergana Kusmova, Evgenia Hristva, Maurice Grinberg</i>
112	Incremental syntactic disambiguation using depicted events: Plausibility, co-presence and dynamic presentation	<i>Emilia Ellsiepen, Pia Knoeferle, Matthew W. Crocker</i>
113	Adapting referring expressions to the task environment	<i>Markus Guhe, Ellen Gurman Bard</i>
114	Active object exploration in toddlers and its role in visual object recognition	<i>Alfredo F. Pereira, Karin H. James, Susan S. Jones, Linda B. Smith</i>
115	Processing of first- vs. Third-person narratives	<i>Tristan Thomte, Herbert H. Clark</i>
116	Effects of handedness and orientation on tool naming and use	<i>Evangelia G. Chryssikou, Shannon Fouse, Sharon L. Thompson-Schill</i>
117	Language, lateralization, and the perception of objects	<i>Kevin J. Holmes, Laura L. Namy, Phillip Wolff</i>
118	Manipulating Sudoku strategies	<i>Mike Schoelles, Hansjorg Neth, Alison Dennis, Wayne Gray</i>
119	Object-specific preview benefit and multiple object tracking: Priming effects enhanced during active tracking for both English letters and unfamiliar symbols	<i>Harry Haladjian, Zenon Pylyshyn</i>
120	Motivating use of an object-centered frame of reference	<i>Laurie Robinette, Michele Feist, Michael Kalish</i>
121	The role of reference frame alignment in toddlers' emerging object search strategies	<i>Lynn Perry, Larissa Samuelson, John Spencer</i>
122	Cultural differences in cognitive processing style: Evidence from eye movements during scene processing	<i>Zihui Lu, Meredyth Daneman, Eyal Reingold</i>
123	"Theory of mind" and automatic processing	<i>Adam Cohen, Tamsin German</i>
124	Remembering when words are mutually exclusive	<i>Emily Mather, Kim Plunkett</i>
125	Seeing heaviness	<i>Matthew Streit, Kevin Shockley, Michael Riley</i>
126	Efficient expression of 2d shapes using points in consideration of human visual characteristics	<i>Hiroyo Ishikawa, Hideo Saito</i>
Other Agents, Social Cognition, and Emotion (Saturday, July 26)		

127	Sarcastic synchronization: Simultaneous acoustic and pragmatic alignment in pseudo-interaction	<i>Jennifer Roche, Rick Dale, Gina Caucci</i>
128	Determinants of “change deafness” rates in an ecologically valid social scenario	<i>Thomas Farmer, Melanie Hamel, Kat Kgres, Sheena Rogers</i>
129	Cascade effect in perceiving onset timings of others' responses and feeling about communication	<i>Yuichiro Yoshikawa, Kazunori Yamauchi, Hiroshi Ishiguro</i>
130	Benefits of using empirical data in the HCI design process	<i>Sarah Kriz, J. Gregory Trafton</i>
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