

Poster Session 2

(Monarch Suite, Friday July 28, 1:20pm - 2:50pm)

Space	Title	Author(s)
1	Improving Number Foundations in Preschoolers: ANS versus Symbolic Knowledge	Jo Van Herwegen, Hiwet Costa, Bethany Nicholson, Chris Donlan
2	Children's Familiarity Preference in Self-directed Study Improves Recognition Memory	Katherine Adams, George Kachergis, Doug Markant
3	Infusing Cognitive Science Content in Teacher Preparation	Julie Booth
4	The Interaction of Worked-Examples/ Self-Explanation Prompts and Time on Algebra Conceptual Knowledge	Kelly McGinn, Julie Booth, Laura Young
5	Language input and development during a year in an early intervention classroom	Lynn Perry, Emily Prince, Adriana Valtierra, Camila Rivero-Fernández, Mary Anne Ullery, Lynne Katz, Daniel Messinger
6	How and when does the syllable become a reading unit? Developmental evidence in French children	Norbert Maionchi-Pino, Virginie Loiseau
7	The Relationship Between Executive Functions and Science Achievement	Drake Bauer, Sashank Varma, Keisha Varma, Martin Van Boekel, Alyssa Worley, Jean-Baptiste Quillien, Tayler Loiseau, Purav Patel
8	Interleaving area problems in the 4th grade classroom: What is the role of context and practice?	Rachael Todaro, Bradley Morris
9	When Less Isn't More: A Real-World Fraction Intervention Study	Tasha Posid, Vladimir Sloutsky
10	Training Graph Literacy: Developing the RiskLiteracy.org Outreach Platform	Vincent Ybarra, Edward Cokely, Cody Adams, Margo Woller-Carter, Jinan Allan, Adam Feltz, Rocio Garcia-Retamero
11	A Two-Stage Model of Solving Arithmetic Problems	Vladimir Glebkin, Alexander Kovtunenkov, Ekaterina Krysova
12	Fast and Easy: Approximating Uniform Information Density in Language Production	Jesus Calvillo
13	A Theory of Resonance: Towards an Ecological Cognitive Architecture	Vicente Raja
14	Five-Year-Old Children Transfer a Metacognitive Strategy to a Novel Task	Allison O'Leary, Vladimir Sloutsky
15	The Structure of Young Children's Numerical and Spatial Abilities	Christopher Young, Stephen Raudenbush, Brittney Fraumeni, Susan Levine
16	Improving Perceptual Reasoning in School Children through Chess Training	Ebenezer Joseph, Sumathi Chandrasekaran, Uma T.R., Veena Easvaradoss
17	Learning Object Names from Visual Pervasiveness: the Visual Statistics Predict	Elizabeth Clerkin, Chen Yu, Linda Smith
18	Varieties of Numerical Estimation: A Unified Framework	Jike Qin, Dan Kim, John Opfer
19	Preschoolers and Infants Calibrate Persistence from Adult Models	Julia Leonard, Max Kleiman-Weiner, Yuna Lee, Josh Tenenbaum, Laura Schulz
20	Investigating Sensitivity to Shared Information and Personal Experience in Children's Use of Majority Information	Kay Otsubo, Andrew Whalen, Daphna Buchsbaum
21	Learning in the Wild: Real-World Experiences Shape Children's Knowledge Organization	Layla Unger, Anna Fisher
22	The relationship between fairness, cognitive control, and numerical encoding	Nadia Chernyak, Peter Blake
23	Talking to Ourselves to Engage Control? Testing Developmental Relations Between Self-directed Speech, Cognitive Control and Talkativeness	Sabine Doebel, Cleo Andersen-Green, Yuko Munakata
24	Pragmatics Influence Children's Use of Majority Information	Theresa Pham, Jane C Hu, Daphna Buchsbaum
25	Slow Change: The Visual Context for Real World Learning	Charlene Tay, Linda Smith, Chen Yu
26	A Cognitive Model of Social Influence	Greg Trafton, Malcolm McCurry, Kevin Zish, Laura Hiatt, Sunny Khemlani
27	Interruptions Reduce Confidence Judgments: Predictions of Three Sequential Sampling Models	Kevin Zish, Malcolm McCurry, Nathan Aguiar, J. Gregory Trafton
28	Spatial language: Meaning, use, and lexical choice	Kristen Johannes, Barbara Landau
29	From Words to Sentences & Back: Characterizing Context-dependent Meaning Representations in the Brain	Nora E Aguirre-Celis, Manuel Valenzuela-Rendon, Risto Miikkulainen

30	An immersive binaural horizon for sonic data analytics	Richard Windeyer, Dan MacDonald, David Steinman, Ambrose Li, Peter Coppin
31	Applications of Cognitive Science to Enhancing Scholarly Communication	Purav Patel
32	Dissolving the Grounding Problem: How the Pen is Mightier than the Sword	Nancy Salay
33	Indirection Explains Flexible Tuning of Neurons in Prefrontal Cortex	David Noelle
34	Learning Temporal Generative Neural Codes for Biological Motion Perception and Inference	Fabian Schrodt, Martin V. Butz
35	Predicting Individual Differences in Working Memory Training Gain: A Machine Learning Approach	Shafee Mohammed, Benjamin Katz, Chelsea Parlett, Martin Buschkuehl, Susanne Jaeggi
36	A Spiking Neural Bayesian Model of Life Span Inference	Sugandha Sharma, Aaron Voelker, Chris Eliasmith
37	Application of fuzzy logic in dyslexia user modelling to design customizing assistive technology	Tereza Pařilová, Eva Hladká
38	A Study on the Impact of Chess Training on Creativity of Indian School Children	Ebenezer Joseph, Sundar Manoharan, Veena Easvaradoss, David Chandran. E
39	Poverty of materials makes recursive combination operation evolvable	Genta Toya, Takashi Hashimoto
40	A Data-Driven Approach for Making Analogies	Mei Si, Craig Carlson
41	Finding Creative New Ideas: Human-Centric Mindset Overshadows Mind-Wandering	Yung-Yi Juliet Chou, Barbara Tversky
42	Conversational topic connectedness predicted by Simplicity Theory	Jean-Louis Dessalles
43	Interactive Communicative Inference	Larry Muhlstein
44	Modeling Comprehension Processes via Automated Analyses of Dialogism	Mihai Dascalu, Laura Allen, Danielle McNamara, Stefan Trausan-Matu, Scott Crossley
45	Planning in Action: Interactivity Improves Planning Performance	Emma Henderson, Gaëlle Vallée-Tourangeau, Frédéric Vallée-Tourangeau
46	Metacognitive Monitoring of Internal and External Storage and Retrieval	Evan Risko, Connor Gaspar, Dave McLean, Tim Dunn, Derek Koehler
47	Fake News and False Corroboration: Interactivity in Rumor Networks	Michael Spivey
48	The impact of the Digital Age in Moral Judgments	Albert Barque-Duran, Emmanuel Pothos, James Yearsley, James Hampton
49	Risky Decision Making for Medications: Age and Social Influence Effects	Amy Wing-Lam Chong, Michael Bixter, Wendy Rogers
50	Choosing while Losing: The Effects of Valence and Relative Magnitude on Decision Dynamics.	Avril Hand, Denis O'Hora, Rick Dale, Petri Piironen
51	The role of presentation order and orientation on information search and evaluations: An eye-tracking study	Claire Heard, Tim Rakow, Tom Foulsham
52	It is new, but will it be good? Context-driven exploration of novel options	Hrvoje Stojic, Eric Schulz, Maarten Speekenbrink
53	Intolerance to uncertainty is associated with diminished exploration	Jennifer Lenow, Nathaniel Daw, Elizabeth Phelps
54	Nudging Problematic Smartphone Use to a Lower Level	Lauri Palokangas, Jyrki Suomala
55	Perceptions of Psychological Momentum in Basketball	Thomas Hilbig, Matthew Welsh, Paul Delfabbro
56	On the Detection of "Alternative Facts" in Environmental Messages: The Effects of a Sequential versus a Simultaneous Presentation Format	Mona Guath, Peter Juslin
57	Adaptive response priors in context-dependent decision-making	Olga Lositsky, Michael Shvartsman, Robert C. Wilson, Jonathan D. Cohen
58	Belief Digitization in Economic Prediction	Samuel Johnson, Faith Hill
59	The Use of Ambiguous Messages as a Strategy to Appeal to Multiple Decision Makers	Devika Banerji, Torsten Reimer, Chris Roland
60	Risk and Rationality in Decisions to Commit Crime	Rebecca Helm, Valerie Reyna, Renee Williamson, Allison Franz
61	Behavioral Dynamics and Action Selection in a Joint Action Pick-and-Place Task	Maurice Lamb, Tamara Lorenz, Stephen Harrison, Rachel Kallen, Ali Minai, Michael Richardson
62	Fitting a Stochastic Model to Eye Movement Time Series in a Categorization Task	Paul Tupper, Thuan Pham Nguyen, Yunlong Nie, Jiguo Cao, Liangliang Wang
63	Bridging Visual Working Memory Research from Infancy through Adulthood with Dynamic Neural Field Modeling	Vanessa Simmering, Sammy Perone

64	On the road to ... somewhere? Change-blindness in event description tasks is informative about the interrelation between visual perception and language planning	Johannes Gerwien, Ines Marberg
65	The time course of Intentional Binding	Miriam Ruess, Roland Thomaschke, Andrea Kiesel
66	Endpoints and Midpoints in Event Perception	Yue Ji, Anna Papafragou
67	A model of cultural co-evolution of language and mindreading	Marieke Woensdregt, Simon Kirby, Chris Cummins, Kenny Smith
68	Effects of transmission perturbation in the cultural evolution of language	Thomas Brochhagen, Michael Franke
69	Comparison of directed gaze during vocalizations in bonobo and human infants	Ulrike Griebel, Josep Call, Eugene Buder, D. Kimbrough Oller
70	How do speakers coordinate planning and articulation? Evidence from gaze-speech lags.	Chiara Gambi, Matthew Crocker
71	Eye movement-based probabilistic models for physical scene understanding	Eghbal Hosseini, Eli Pollock, Tobias Gerstenberg
72	Age-related top-down and bottom-up guidance on eye movements when searching in real-world scenes	Hanane Ramzaoui, Sylvane Faure, Sara Spotorno
73	An Exploratory Study on Remote Associates Problem Solving: Evidence of Eye Movement Indicators	Po-Sheng Huang, Shu-Ling Peng, Jon-Fan Hu
74	Tracking the temporal course of counterfactual understanding	Isabel Orenes, Juan Antonio Garcia Madruga, Isabel Gómez-Veiga, Orlando Espino, Ruth Byrne
75	Reconsideration on Linking Eye-movement Data with Argument Realization	Yujing Huang, Laine Stranahan, Jesse Snedeker
76	Data Driven Eye Gaze Path Segmentation	Joseph Haupt, Mary Frame, Leslie Blaha
77	The time course of colour guidance in realistic scene search	Sara Spotorno, Ben Tatler
78	A time-series eye-fixation analysis of the similarity-compromise effect in multi-alternative choice	Tsuzuki Takashi, Chiba Itsuki
79	Convincing Conversations: Using a Computer-Based Dialogue System to Promote a Plant-Based Diet	Emma Zaal, Gregory Mills, Afke Hagen, Carlijn Huisman, John Hoeks
80	Do you forgive past mistakes of virtual assistant? A study on changing impressions of virtual character when using its assistance multiple times	Masahide Yuasa
81	Decoding Partner Type in Human-Agent Negotiation using functional MRI	Eunkyung Kim, Jared Gilbert, Charlotte Horowitz, Jonathan Gratch, Jonas Kaplan, Morteza Dehghani
82	Compound effects of expectations and actual behaviors in human-agent interaction: Experimental investigation using the Ultimatum Game	Yugo Hayashi, Ryo Okada
83	How infants map nonce phrases to scenes with objects and predicates.	Angelica Buerkin-Pontrelli, Daniel Swingley
84	The effect of acute physical activity on children's memory for language	Carla Pastorino Campos, John Williams
85	The acquisition of verb morphology in Polish and Finnish: Model and experiment	Felix Engelmann, Joanna Kolak, Sonia Granlund, Ben Ambridge, Julian Pine, Anna Theakston, Elena Lieven
86	What Do We Learn from Dyslexia and Second Language Learners on the Difference Between Long-term Frequency and Short-term Sequence Repetition Effects?	Eva Kimel, Itay Lieder, Luba Daikhin, Hilla Jacoby, Atalia Hai Weiss, Merav Ahissar
87	Discourse continuity promotes children's learning of new objects labels	Jessica F. Schwab, Casey Lew-Williams
88	Children Learn Words Better From One Storybook Illustration at a Time	Zoe Flack, Jessica Horst
89	Gestural Hesitation Reveals Children's Competence on Multimodal Communication: Emergence of Disguised Adaptor	Kazuki Sekine
90	Pragmatic aspects of spatial language acquisition and use across languages	Myrto Grigorooglou, Megan Johanson, Anna Papafragou
91	Is infants' mutual exclusivity response based on preference to novelty or non-name of an object?	Qinmei Xu, Ye Tao, Yuyan Wang, Jon-Fan Hu
92	Exploring the relations between oral language and reading instruction in a computational model of reading	Ya-Ning Chang, J. S. H. Taylor, Kathleen Rastle, Pádraic Monaghan
93	The Meanings of Morality: Investigating the psychometric properties of distributed representations of latent moral concepts	Joe Hoover, Katie Horton, Morteza Dehghani

94	Path salience in motion events from verbal and visual languages	Neil Cohn, Vivian Wong, Kaitlin Pederson, Ryan Taylor
95	Head and Heart Metaphors for Moral Decision Making: Conceptual or Communicative?	Rose K. Hendricks, Paul H. Thibodeau
96	When reading is harder than a mother kucker: Top-down effects of the taboo-ness on novel word pronunciation	Sarah Kucker, Lynn Pery
97	Solving the Puzzle to Reach the Summit: Using Metaphor to Gauge Public Perceptions of Science	Paul Thibodeau, Stephen Flusberg, Kevin Holmes
98	Weight matters: The role of physical weight in non-physical language across age and culture	Tomer Ullman, Santiago Alonso-Diaz, Stephen Ferrigno, Sarina Zahid, Celeste Kidd
99	Refuting Overconfidence: Refutation Texts Prevent Detrimental Effects of Misconceptions on Text Comprehension and Metacomprehension Accuracy in the Domain of Statistics	Anja Prinz, Stefanie Golke, Jörg Wittwer
100	Anticipation Effect after Implicit Distributional Learning	Danlei Chen, Carol Jew, Benjamin Zinszer, Rajeev Raizada
101	Discovering simple heuristics from mental simulation	Frederick Callaway, Jessica Hamrick, Tom Griffiths
102	Boosting Knowledge-Building with Cognitive Dialog Games	Jonathan Herberg, Ilker Yengin, Praveena Satkunarajah, Margaret Tan
103	Algebra is not like trivia: Evaluating self-assessment in an online math tutor	Rachel Jansen, Anna Rafferty, Tom Griffiths
104	Investigating the predictions of a memory-based account of statistical learning	Sandrine Girard, Erik Thiessen
105	Practicing an auditory working memory task recruits lower-level auditory areas in a task-specific manner	Tamar Malinovitch, Philippe Albouy, Merav Ahissar, Robert Zatorre
106	Probability matching as a cognitive basis of cultural drift	Vanessa Ferdinand
107	People toss coins with more vigor when the stakes are higher	Gregory Dam
108	Three-Way Bindings in Associative Recognition	Hyungwook Yim, Adam Osth, Vladimir Sloutsky, Simon Dennis
109	Exploring Functions of Working Memory Related to Fluid Intelligence: Coordination and Relational Integration	Joel Edward Bateman, Damian Patrick Birney, Vanessa Loh
110	Don't forget to bind: Memory binding and interference in development	Kevin Darby, Vladimir Sloutsky
111	Representing the Richness of Linguistic Structure in Models of Episodic Memory	Melody Dye, Michael Ramscar, Michael Jones
112	Simple and Complex Working Memory Tasks Allow Similar Benefits of Information Compression	Fabien Mathy, Mustapha Chekaf, Nelson Cowan
113	Rationalizing subjective probability distortions	Nisheeth Srivastava, Ed Vul
114	Peculiarity doesn't trump ordinariness: On recognition memory for exceptions to the category rule	Olivera Savic, Vladimir Sloutsky
115	Comparison strategies in the change detection task are influenced by task demands.	Rob Udale, Simon Farrell, Chris Kent
116	Repetition improves memory by strengthening existing traces: Evidence from paired-associate learning under midazolam	Vencislav Popov, Lynne Reder
117	Tangible rhythm: Sensorimotor representations of metrical structure and learning musical rhythm with gesture	Courtney Hilton, Micah Goldwater, Michael Jacobson
118	How does Music Reading Expertise Modulate Visual Processing of English Words? An ERP study	Tze Kwan Li, Hei Yan Veronica Chan, Luhe Li, Janet H. Hsiao
119	Recruitment of the motor system in the perception of handwritten and typed characters	Chelsea Gordon, Ramesh Balasubramaniam
120	Dynamic and multiplexed networks for working memory	Elizabeth Johnson, Robert Knight
121	Biological and Artificial Perspectives on Metacognition	Katherine Wagner
122	Hand, spoon or toothbrush? Towards the understanding of the neural underpinnings of affective touch in 5 months-old infants.	Laura Pirazzoli, Sarah Lloyd-Fox, Mark H. Johnson, Teodora Gliga
123	Neural Phase Synchrony on Understanding Meanings of Symbols	Masayuki Fujiwara, Takashi Hashimoto, Guanhong Li, Jiro Okuda, Takeshi Konno, Kazuyuki Samejima, Junya Morita
124	The Cognitive Architecture of Recursion: Behavioral and fMRI Evidence from the Visual, Musical and Motor Domains	Mauricio de Jesus Dias Martins
125	An fNIRS Hyperscanning Study on Brain-Brain Interactions of a Dyad during a Joint Sentence Reading Task	Erdinc Isbilir, Murat Perit Cakir, Fred Cummins, Hasan Ayaz

126	Everyday object affordance enhances automatic inhibitory control: an ERP study	Stefania Righi, Giorgio Gronchi, Lapo Pierguidi, Maria Pia Viggiano
127	The Influence of Speaker's Gaze on Sentence Comprehension: An ERP Investigation	Torsten Jachmann, Heiner Drenhaus, Maria Staudte, Matthew Crocker
128	Word retrieval decline in midlife: a voxel-based morphometry study	Vanja Kljajevic
129	A Plausible Micro Neural Circuit for Decision-Making	Hui Wei, Dawei Dai, Yijie Bu
130	The Structure of Goal Systems Predicts Human Performance	David Bourgin, Falk Lieder, Daniel Reichman, Nimrod Talmon, Tom Griffiths
131	Which test to perform? Modeling utility of medical tests: information gain, patient risk and financial costs	Clara Schirren, Stefanie C. Hautz, Wolf E. Hautz, Juliane E. KÄammer, Björn Meder, Jonathan D. Nelson
132	Measuring Demand Avoidance with the Demand Selection Task: Challenges and Opportunities	Ion Juvina, Jeffrey Nador, Othalia Larue, Randall Green, Brandon Minnery, Assaf Harel
133	The spontaneous creation of systems of conventions	Jennifer Misyak, Nick Chater
134	The dilution effect: Conversational basis and witness reliability	Jens Koed Madsen, Ulrike Hahn, Marion Vorms
135	Enhancing metacognitive reinforcement learning using reward structures and feedback	Paul Krueger, Falk Lieder, Tom Griffiths
136	How does of initial inaccuracy benefit cross-situational word learning?	Chris Grimmick, George Kachergis, Todd Gureckis
137	Want to prime exercise? Calorie labels work better than activity ones!	Dawn Liu, Marie Juanchihch
138	How reactivation strength affects memory updating	Scully Iona, Hupbach Almut
139	Disambiguating Disfluencies: What Do Speech Disfluencies Tell Us About Speech Production?	Mikhail Sokolov, John Logan
140	Document Similarity Misjudgment by LSA: Misses vs. False Positives	Kyung Hun Jung, Eric Ruthruff, Timothy Goldsmith
141	Judging Magnitude: Is there a Common Cognitive System for Different Types of Magnitude Judgments?	Rylan J. Waring, Lana M. Trick
142	Influences of the Matching Effects of Cognitive and Emotional Factors on Attitude Change	Tung-Cheng Wu, Jon-Fan Hu, Shu-Ling Peng
143	Children's reasoning about data sets	Amy Masnick, Bradley Morris, Christopher Was
144	Perceived Difficulty of Moral Dilemmas Depends on Their Causal Structure: A Formal Model and Preliminary Results	Barbara Kuhnert, Felix Lindner, Martin Bentzen, Marco Ragni
145	Reasons and the "Motivated Reasoning Effect"	Cristina Ballarini, Steven Sloman
146	Moral Judgments in Trolley Like Dilemmas: An Eye-Tracking Study	Vjieran Keric, Evgeniya Hristova
147	Reasoning ability predicts irrational worldview but not conspiracy belief	Jan Jastrzebski, Adam Chuderski
148	Biases and labeling in iterative pragmatic reasoning	Jon Stevens
149	Do forgiving God primes strengthen support for state sanctioned punishment?	Katherine O'Lone, Ryan McKay
150	Determinants of judgments of explanatory power: Credibility, Generalizability, and Causal Framing	Matteo Colombo, Leandra Bucher, Jan Sprenger
151	Rational and Semi-Rational Explanations of the Conjunction Fallacy: A Polycasual Approach	Momme von Sydow
152	Abductive, Causal, and Counterfactual Conditionals Under Incomplete Probabilistic Knowledge	Niki Pfeifer, Leena Tulkki
153	Instruction type and believability influence on metareasoning in a base rate task	Pavle Valerjev, Marin Dujmović
154	Computational Modelling of Embodied Semantic Cognition: A Deep Learning Approach	Ajitesh Ghose, Rick Cooper
155	Mouse Tracking Shows Attraction to Alternative Targets While Grounding Spatial Relations	Jonas Lins, Gregor Schoener
156	To organize or not to organize? Examining biases in search strategies using Lego building blocks	Mona Zhu, Kimberley Yuen, Evan Risko
157	Can Illness be Bright? Metaphor comprehension depends on linguistic and embodied factors	Pei Q Liu, Louise Connell, Dermot Lynott