Saturday July 28th

Morning Session 1 (9:00 - 10:00)

Lecture Hall	Keynote	
9:00-10:00	Kinds, essences, and moral reasoning	Susan Gelman

(Coffee Break 10:00 - 10:30)

Morning Session 2 (10:30 - 12:10)

Track 1: Ballroom A	**Symposium**	
10:30-12:10	The cognitive systems of visual and multimodal narratives	Neil Cohn, Emily Coderre, Elizabeth O'Donnell, Aidan Osterby, and Lester Loschky
Track 2: Ballroom B	**Fake news: Social influences**	
10:30-10:50	Stronger evidence isn't always better: A role for social inference in evidence selection and interpretation	Amy Perfors, Danielle Navarro, and Patrick Shafto
10:50-11:10	Any consensus will do: The failure to distinguish between 'true' and 'false' consensus	Sami Yousif, Rosie Aboody, and Frank Keil
11:10-11:30	Partisan Representations: Partisan Differences in Semantic Representations and their Role in Attitude Judgments	David Halpern and Pedro Rodriguez
11:30-11:50	Folk economic beliefs moderate the effects of majority group status threat	Stephen Flusberg, Alexia Toskos Dils, and Krystal Perkins
11:50-12:10	Building and Dismantling Trust: From Group Learning to Character Judgments	Philip Parnamets, Tobias Granwald, and Andreas Olsson
Track 3: Ballroom C	**Planning**	
10:30-10:50	A resource-rational analysis of human planning	Frederick Callaway, Falk Lieder, Priyam Das, Sayan Gul, Paul Krueger, and Tom Griffiths
10:50-11:10	Learning to act by integrating mental simulations and physical experiments	Ishita Dasgupta, Kevin Smith, Eric Schulz, Josh Tenenbaum, and Samuel Gershman
11:10-11:30	Constraints and Development in Children's Block Construction	Cathryn Cortesa, Jonathan Jones, Gregory Hager, Sanjeev Khudanpur, Barbara Landau, and Amy Shelton
11:30-11:50	Value-guided choice sets support efficient planning	Adam Morris, Jonathan Phillips, and Fiery Cushman
11:50-12:10	On the instrumental value of hypothetical and counterfactual thought	Thomas Icard, Fiery Cushman, and Joshua Knobe
Track 4: Ballroom D	**Speech**	
10:30-10:50	Global and Incremental Updating of Event Representations in Discourse	Jeffrey Zacks, Heather Bailey, and Christopher Kurby
10:50-11:10	How to use context to disambiguate overlapping categories: The test case of Japanese vowel length	Kasia Hitczenko, Reiko Mazuka, Micha Elsner, and Naomi Feldman
11:10-11:30	Word length, proportion of overlap, and phonological competition in spoken word recognition	Elizabeth Simmons and James Magnuson
11:30-11:50	Feedback in the Time-Invariant String Kernel model of spoken word recognition	James Magnuson
11:50-12:10	Communicative Efficiency, Uniform Information Density, and the Rational Speech Act Theory	Roger Levy
Track 5: Hall of Ideas EF	**Children's learning**	
10:30-10:50	Children Don't Just Wanna Have Fun: An Experimental Demonstration Of Children's Curiosity For How Things Work.	Emmanuel Trouche, Aaron Chuey, Kristi Lockhart, and Frank Keil
10:50-11:10	Not Just a Window: Young Children Learn More from In-Person Events than Video-Mediated Events	Heather Kirkorian
11:10-11:30	Adults and preschoolers seek visual information to support language comprehension in noisy environments	Kyle MacDonald, Virginia Marchman, Anne Fernald, and Michael Frank
11:30-11:50	Success does not imply knowledge: Preschoolers believe that accurate predictions reveal prior knowledge, but accurate observations do not	Rosie Aboody, Holly Huey, and Julian Jara-Ettinger
11:50-12:10	The Role of Generating Versus Choosing an Error in Children's Later Error Correction	Abbey Loehr, Lisa Fazio, and Bethany Rittle-Johnson
Track 6: Hall of Ideas GJ	**Semantics**	
10:30-10:50	A Neurobiologically Motivated Analysis of Distributional Semantic Models	Akira Utsumi
10:50-11:10	An Instance Theory of Distributional Semantics	Randall Jamieson, Brendan Johns, Johnathan Avery, and Michael N. Jones
11:10-11:30	Comparing models of semantic fluency: Do humans forage optimally, or walk randomly?	Johnathan Avery and Michael N. Jones
11:30-11:50	Do Humans Navigate via Random Walks? Modeling Navigation in a Semantic Word Game	Mohammad Isyroqi Fathan, Eli K. Renfro, Joseph Austerweil, and Nicole M. Beckage

Track 7: Hall of Ideas HI	**Generalization/similarity 2**	
10:30-10:50	Connecting conceptual and spatial search via a model of generalization	Charley M. Wu, Eric Schulz, Mona M. Garvert, Bjoern Meder, and Nicolas W. Schuck
10:50-11:10	Temporal Dynamics of Categorization: Is There a Best of Both Worlds?	Haley Vlach
11:10-11:30	Adults use gradient similarity information in compositional rules	Lauren Oey, Francis Mollica, and Steven Piantadosi
11:30-11:50	These boots are made for walking: Teleological generalizations from principled connections	Joanna Korman and Sangeet Khemlani
11:50-12:10	Dorsal Premotor Cortex and Conditional Rule Resolution: A High-Frequency TMS Investigation	Patrick Rice and Andrea Stocco
Track 8: Room KLOP	**Cross-linguistic cognition**	
10:30-10:50	Crosslinguistic transfer as category adjustment: Modeling conceptual color shift in bilingualism	Yevgen Matusevych, Barend Beekhuizen, and Suzanne Stevenson
10:50-11:10	No coherent evidence for bilingual advantages in executive functioning	Kenneth Paap
11:10-11:30	Bilingual infants process mixed sentences differently in their two languages	Christine Potter, Eva Fourakis, Elizabeth Morin-Lessard, Krista Byers-Heinlein, and Casey Lew-Williams
11:30-11:50	Predictors of L2 word learning accuracy: A big data investigation.	Elise Hopman, Bill Thompson, Joseph Austerweil, and Gary Lupyan
11:50-12:10	Language in Context: Incorporating Demographic Embeddings into Language Understanding	Justin Garten, Brendan Kennedy, Joe Hoover, Kenji Sagae, and Morteza Dehghani
Track 9: Room MNQR	**Dynamic neural models**	
10:30-10:50	Multifunctionality in embodied agents: Three levels of neural reuse	Madhavun Candadai and Eduardo Izquierdo
10:50-11:10	Supervised Learning of Action Selection in Cognitive Spiking Neuron Models	Terrence Stewart, Sverrir Thorgeirsson, and Chris Eliasmith
11:10-11:30	A neural dynamic architecture that autonomously builds mental models	Parthena Kounatidou, Mathis Richter, and Gregor Schöner
11:30-11:50	Sequences of discrete attentional shifts emerge from a neural dynamic architecture for conjunctive visual search that operates in continuous time	Raul Grieben, Jan Tekülve, Stephan Zibner, Sebastian Schneegans, and Gregor Schöner
11:50-12:10	Understanding Attentional Selectivity, Flexibility, and Stability: A Dynamic Neural Field Model Predicts Behavior in 3- and 4-year-olds	Anastasia Kerr-German, Kara Lowery, and Aaron Buss

(Lunch Break 12:10 - 1:20)

Afternoon Session 1 (1:20 - 2:50)

Exhibit Hall B	**Invited Symposium**	
1:20 - 2:50	Big Data Goes to School	Marcia Linn, Art Graesser, Steve Ritter, Burr Settles

Afternoon Session 2 (3:00-4:40 PM)

Track 1: Ballroom A	**Symposium**	
3:00-4:40	Data Visualization as a Domain to Research Areas in Cognitive Science	Caitlyn McColeman, Audrey Michal, Robert Goldstone, Karen Schloss, Jennifer Kaminski, and Jessica Hullman
Track 2: Ballroom B	**Self/other**	
3:00-3:20	Social Value Learning Shifts Conceptual Representations of Faces	Ariana Familiar and Sharon Thompson-Schill
3:20-3:40	The psychophysics of society: Uncertain estimates of invisible entities	Tyler Marghetis, Brian Guay, Anish Karlapudy, and David Landy
3:40-4:00	Bias in the Self-Knowledge of Global Communities	Eleanor Brower and David Landy
4:00-4:20	The Intrinsic Cost of Dissent	Prachi Mistry and Mimi Liljeholm
4:20-4:40	Representations of the Self-Concept and Identity-Based Choice	Stephanie Chen and Oleg Urminsky
Track 3: Ballroom C	**Education: Math learning**	
3:00-3:20	Arithmetic Sense Predicts Children's Mathematical Achievement Better Than Arithmetic Fluency	Soo-hyun Im and Sashank Varma
3:20-3:40	Task dynamics reveal how fraction values are constructed	Richard Prather
3:40-4:00	Rote versus Rule: Revisiting the Role of Language in Mathematical Thinking	Jike Qin and John Opfer
4:00-4:20	The Impact of Gesture and Prior Knowledge on Visual Attention During Math Instruction	Katharine Guarino, Elizabeth Wakefield, Miriam A. Novack, Eliza L. Congdon, Steven Franconeri, and Susan Goldin-Meadow

Track 4: Ballroom D	**Language production and gesture**	
3:00-3:20	Agent versus Non-Agent Motions Influence Language Production: Word Order and Perspective in a VOS language	Manami Sato, Keiyu Niikuni, Amy Schafer, and Masatoshi Koizumi
3:20-3:40	Movement as a message: inferring communicative intent from actions	Amanda Royka, Rosie Aboody, and Julian Jara-Ettinger
3:40-4:00	This and that back in context: Grounding demonstrative reference in manual and social affordances	Roberta Rocca, Mikkel Wallentin, Cordula Vesper, and Kristian Tylen
4:00-4:20	Beat gestures encode spatial semantics	De Fu Yap, Geoffrey Brookshire, and Daniel Casasanto
4:20-4:40	Modelling reference production using the simultaneity approach: A new look at referential success	Daphna Heller and Suzanne Stevenson
Track 5: Hall of Ideas EF	**Causation**	
3:00-3:20	Children's Causal Interventions Combine Discrimination and Confirmation	Yuan Meng, Neil Bramley, and Fei Xu
3:20-3:40	Statistical norm effects in causal cognition	Lara Kirfel and David Lagnado
3:40-4:00	Assessing Singular Causation: The Role of Causal Latencies	Simon Stephan, Ralf Mayrhofer, and Michael R. Waldmann
4:00-4:20	Exclusivity in causal reasoning	Alexander LaTourrette, Matthew Myers, and Lance Rips
4:20-4:40	Auditory scene analysis as Bayesian inference in sound source models	Maddie Cusimano, Luke Hewitt, Josh Tenenbaum, and Josh McDermott
Track 6: Hall of Ideas GJ	**Generalization/similarity**	
3:00-3:20	Adding types, but not tokens, affects the breadth of property induction	Belinda Xie, Brett Hayes, and Danielle Navarro
3:20-3:40	What's in an Association? The Relationship Between Similarity and Episodic Memory for Associations	Gregory Cox and Amy Criss
3:40-4:00	Feature Ratings and Empirical Dimension-Specific Similarity Explain Distinct Aspects of Semantic Similarity Judgments	Marius Cătălin Iordan, Cameron Ellis, Michael Lesnick, Daniel Osherson, and Jonathan Cohen
4:00-4:20	Representational and sampling assumptions drive individual differences in single category generalisation	Keith Ransom, Andrew Hendrickson, Amy Perfors, and Danielle Navarro
4:20-4:40	Generalization of novel names for relations in comparison settings: the role of conceptual distance during learning and at test.	Jean-Pierre Thibaut and Arnaud Witt
Track 7: Hall of Ideas HI	**Cognitive control**	
3:00-3:20	Estimating the costs of cognitive control from task performance: theoretical validation and potential pitfalls	Sebastian Musslick, Jonathan Cohen, and Amitai Shenhav
3:20-3:40	Computational Modeling of Cognitive Control in a Flanker Task	Sang Ho Lee
3:40-4:00	Redefining heuristics in multi-attribute decisions: A probabilistic framework	Percy Mistry and Jennifer Trueblood
4:00-4:20	Efficiency of learning vs. processing: Towards a normative theory of multitasking	Yotam Sagiv, Sebastian Musslick, Yael Niv, and Jonathan Cohen
4:20-4:40	A Causal Model Approach to Dynamic Control	Zach Davis, Neil Bramley, Bob Rehder, and Todd Gureckis
Track 8: Room KLOP	**Culture, language and cognition**	
3:00-3:20	Cognitive and Experiential Interestingness in Abstract Visual Narrative	Morteza Behrooz, Afshin Mobramaein, Arnav Jhala, and Jim Whitehead
3:20-3:40	Word Learning as Network Growth: A Cross-linguistic Analysis	Abdellah Fourtassi, Yuan Bian, and Michael Frank
3:40-4:00	Where do measurement units come from?	Kensy Cooperrider and Dedre Gentner
4:00-4:20	Automatic Estimation of Lexical Concreteness in 77 Languages	Bill Thompson and Gary Lupyan
4:20-4:40	Cumulative improvements in iterated problem solving	Pierce Edmiston, Maxime Derex, and Gary Lupyan
Track 9: Room MNQR	**Systems models**	
3:00-3:20	A resource model of phonological working memory	Christopher Hepner and Nazbanou Nozari
3:20-3:40	But does it really do that? Using formal analysis to ensure desirable ACT-R model behaviour.	Vincent Langenfeld, Bernd Westphal, Rebecca Albrecht, and Andreas Podelski
3:40-4:00	Time-Based Resource Sharing in ARCADIA	Kevin O'Neill, Will Bridewell, and Paul Bello
4:00-4:20	Empirical Evidence from Neuroimaging Data for a Standard Model of the Mind	Andrea Stocco, John Laird, Christian Lebiere, and Paul Rosenbloom
4:20-4:40	Monotonicity and the Complexity of Reasoning with Quantifiers	Jonathan Sippel and Jakub Szymanik
Track 10: Lecture Hall	**Symposium**	
3:00-4:40	Data-intensive brain imaging: The state of the art	Lauren Michael, Chris Cox, Caterina Stamoulis, and Francisco Pereira

(Coffee Break 4:40-5:00)

Poster Session 3 (5:00 - 6:30)

7:30-9:00 **Public event: Minds, Machines and Society, Wisconsin Institute for Discovery.**