

## Thursday (7/26) - Morning

**Breakfast Service for Meeting Attendees**  
 Lakeside Area

**- BREAKFAST -**  
 (7:45-8:45)

<b>SYMPOSIA: Salon A</b>	<b>SESSION 1: Salon B</b>	<b>SESSION 2: Salon C</b>
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### Modern Markov Chain Monte Carlo

	<i>session chair: Thomas Griffiths</i>	<i>session chair: Jun Zhang</i>	<i>session chair: Zygmunt Pizlo</i>
9:00 - 9:25	<b>De Freitas, Nando</b> Modern Monte Carlo Methods	<b>DeCarlo, Lawrence</b> On Some Mixture SDT Models for Associative-Recognition	<b>Pizlo, Zygmunt</b> Traveling Salesman Problem in real and VR space
9:25 - 9:50	<b>De Freitas, Nando</b> Modern Monte Carlo Methods (continued)	<b>Jang, Yoonhee</b> Testing the unequal-variance, dual-process, and mixture signal-detection models in yes/no and two-alternative forced-choice recognition	<b>Kwon, Oh-Sang</b> Pyramid model of the transfer of skilled movement
9:50 - 10:15	<b>Griffiths, Thomas</b> Monte Carlo and the Mind	<b>Zhang, Jun</b> Causal Power: A New Look from Signal-Detection Framework	<b>Helie, Sebastien</b> Modeling the role of implicit processes in problem solving using a connectionist model

**- COFFEE BREAK -**  
 (10:15-10:30)

	<i>session chair: Jay Myung</i>	<i>session chair: Angela Nelson</i>	<i>session chair: Ehtibar Dzhafarov</i>
10:30 - 10:55	<b>Kujala, Janne V.</b> Sequential Monte Carlo for Bayesian Adaptive Estimation	<b>Nelson, Angela</b> A Contextual Diversity Account of Frequency Effects	<b>Gao, Dashan</b> Decision-theoretic visual saliency and its implications for pre-attentive vision
10:55 - 11:20	<b>Myung, Jay</b> Optimizing Experimental Designs for Model Discrimination	<b>Polyn, Sean</b> The interaction of task context and temporal context in memory search	<b>Yang, Cheng-Ta</b> The decision process in change detection
11:20 - 11:45	<b>Rouder, Jeff</b> Using Dispersion in Bayesian Hierarchical Models	<b>Rao, Vinayak</b> Contextual retrieval in semantic memory: Building semantic spaces with TCM	<b>Dzhafarov, Ehtibar</b> A New Geometry Of Subjective Stimulus Spaces

**Lunch Service for Meeting Attendees**  
 Lakeside Area

**- LUNCH BREAK -**  
 (11:45-1:15)

**JMP Editorial Board Meeting/Luncheon**  
 The Garden Room

## Thursday (7/26) - Afternoon/Evening

SYMPOSIA: Salon A	SESSION 1: Salon B	SESSION 2: Salon C	
<b>fMRI Analysis &amp; Modeling</b>			
<i>session chair: Zhong-Lin Lu</i>			
<i>session chair: Scott Brown</i>			
<i>session chair: Carter Butts</i>			
1:15 - 1:40	<b>Lu, Zhong-Lin</b> Introduction to MRI and fMRI	<b>Ratcliff, Roger</b> Evaluating the EZ Fitting Method for the Diffusion Model	<b>Butts, Carter</b> Likelihood-based Inference for Cycle Structure Bias in Cognitive Models of Social Interaction
1:40 - 2:05	<b>Dougherty, Robert</b> Estimating Neural Response Functions with fMRI	<b>Wagenmakers, Eric-Jan</b> EZ does it?	<b>Gal, Ya'akov</b> Modeling Reciprocal Behavior in Bilateral Negotiation
2:05 - 2:30	<b>George, John</b> Dynamic Functional Neuroimaging through Probabilistic Integration of Multiple Imaging Modalities	<b>Brown, Scott</b> Simpler still: The simplest complete model of choice RT so far	<b>Vul, Edward</b> Temporal selection is continuous and deterministic; Responses are probabilistic.
- <b>COFFEE BREAK</b> - (2:30-2:45)			
<i>session chair: Zhong-Lin Lu</i>			
<i>session chair: Jerome Busemeyer</i>			
<i>session chair: Adam Sanborn</i>			
2:45 - 3:10	<b>Haxby, James</b> Multivoxel pattern analysis: Methods for analysis of group data	<b>Vandekerckhove, Joachim</b> A Diffusion Model Account Of Practice In Lexical Decision	<b>Sanborn, Adam</b> Exploring the Subjective Probability Distributions of Natural Categories
3:10 - 3:35	<b>Serences, John</b> Multivariate fMRI Investigations of Attention and Perceptual Decision Making	<b>Pleskac, Timothy</b> A Dynamic and Stochastic Theory of Choice, Response Time, and Confidence	<b>Xu, Jing</b> A Bayesian Analysis of Serial Reproduction
3:35 - 4:00	<b>Worsley, Keith</b> Detecting Sparse Connectivity: The 'Bubbles' Task in the fMRI Scanner	<b>Busemeyer, Jerome</b> Quantum Information Processing Explanation for Interactions between Inferences and Decisions	<b>Goodman, Noah</b> A Rational Analysis of Rule-based Concept Learning
- <b>COFFEE BREAK</b> - (4:00-4:30)			
4:30 - 5:30	<b>Plenary Speech:</b>	<b>Kahana, Michael</b> Associative Processes in Episodic Memory	
5:30 - 6:30	<b>Poster Session I:</b>	<i>authors and titles: see Poster Session I listing</i> location: <b>Garden Room</b>	

## Friday (7/27) - Morning

**Breakfast Service for Meeting Attendees**  
 Lakeside Area

- **BREAKFAST** -  
(7:45-8:45)

SYMPOSIA: Salon A	SESSION 1: Salon B	SESSION 2: Salon C
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### Complex Decision Making I

	<i>session chair: Jonathan Barzilai</i>	<i>session chair: Daniel Cavagnaro</i>
<i>session chair: J.Neil Bearden</i>		
9:00 - 9:25	<b>Bearden, J.Neil</b> Searching for the Party	<b>Barzilai, Jonathan</b> The Applicability of Addition and Multiplication to Scale Values
9:25 - 9:50	<b>Erev, Ido</b> Learning, Risk Attitude, and Hot Stoves in Partially Observable Markov Environments	<b>Hsu, Yung-Fong</b> A media-theoretical semiorder model of persuasion with an application to panel data
9:50 - 10:15	<b>Lee, Michael</b> A Hierarchical Bayesian Account of Human Decision-Making Using Wiener Diffusion	<b>Klein, Krystal</b> Cross-Situational Statistical Word Learning Tasks: Modeling Overt Responses and Eye Movement Data

- **COFFEE BREAK** -  
(10:15-10:30)

	<i>session chair: Richard Schweickert</i>	<i>session chair: Kyler Eastman</i>
<i>session chair: J.Neil Bearden</i>		
10:30 - 10:55	<b>Stankiewicz, Brian</b> Using Partially Observable Markov Decision Processes to Understand Human Sequential Decision Making with Uncertainty	<b>Schweickert, Richard</b> Factors Selectively Influencing Processes in Multinomial Processing Trees
10:55 - 11:20	<b>Baker, Chris</b> Action Understanding as Inverse Probabilistic Planning	<b>Hu, Xiangen</b> Statistical Closure of MPT Models under Parameter Constraints
11:20 - 11:45	<b>Shebilske, Wayne</b> A Model-Driven Instructional Strategy: The Benchmarked Experiential System for Training (BEST)	<b>Purdy, Brendan P.</b> A context-free language for binary multinomial processing tree models

**Lunch Service for Meeting Attendees**  
 Lakeside Area

- **LUNCH BREAK** -  
(11:45-1:15)

**JMP Executive Board Meeting/Luncheon**  
 The Garden Room

## Friday (7/27) - Afternoon/Evening

SYMPOSIA: Salon A	SESSION 1: Salon B	SESSION 2: Salon C
<b>Complex Decision Making II</b>		
<i>session chair: Zygmunt Pizlo</i>		
<i>session chair: Christoph Weidemann</i>		
<i>session chair: Jack Yellott</i>		
1:15 - 1:40	<b>Cook, William</b> Traveling Salesman Problem	<b>Pratte, Michael</b> Modeling participant and item effects in the theory of signal detection
1:40 - 2:05	<b>Cook, William</b> Traveling Salesman Problem (continued)	<b>Weidemann, Christoph</b> Decisional noise as a source for violations of Signal Detection Theory
2:05 - 2:30	<b>Stege, Ulrike</b> On Computational Models for Updating Rational Belief Systems	<b>Van Zandt, Trish</b> Temporal Contexts in Choice Response Time
		<b>Li, Yunfeng</b> A Bayesian model of 3D shape reconstruction involving symmetry, planarity and compactness constraints

- COFFEE BREAK -  
(2:30-2:45)

<i>session chair: Zygmunt Pizlo</i>		
<i>session chair: Roger Ratcliff</i>		
<i>session chair: Marc Howard</i>		
2:45 - 3:10	<b>Haxhimusa, Yll</b> Solving the Euclidean TSP in the Presence of Input Errors	<b>Ratcliff, Roger</b> Modeling Confidence Judgments in Recognition Memory
3:10 - 3:35	<b>Murphy, Ryan O.</b> An Admissions Problem: Selecting a portfolio of risky binary options	<b>Batchelder, William</b> Modeling Free Recall Order Data
3:35 - 4:00	<b>Smith, Cole</b> Network Design Under Varying Enemy Behaviors	<b>Huber, David</b> A Stochastic Judgment Model of Recall: Separating Measurement, Memory, and Correlation
		<b>Murdock, Bennet</b> Update on the TODAM Working Memory model for serial-order effects

- COFFEE BREAK -  
(4:00-4:30)

4:30 - 5:30	<b>New Investigator Speech:</b>	<b>Wagenmakers, Eric-Jan</b> Current Developments in the Modeling of Response Times and Accuracy Using the Ratcliff Diffusion Model
5:30 - 6:30	<b>Poster Session II:</b>	<i>authors and titles: see Poster Session II listing</i> <i>location: Garden Room</i>

## Saturday (7/28) - Morning

**Breakfast Service for Meeting Attendees**  
Lakeside Area

**- BREAKFAST -**  
(7:45-8:45)

<b>SYMPOSIA: Salon A</b>	<b>SESSION 1: Salon B</b>	<b>SESSION 2: Salon C</b>
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<b>Computational Models of Language</b>
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	<i>session chair: Michael Jones</i>	<i>session chair: Richard Shiffrin</i>	<i>session chair: Michael Lamport Commons</i>
<b>9:00 - 9:25</b>	<b>Landauer, Thomas</b> Fundamental Issues in Modeling Language	<b>Kim, Woojae</b> Understanding the Connectionist Modeling of Quasiregular Mappings in Reading Aloud	<b>Commons, Michael Lamport</b> Comparing Rasch Scaled Stage Scores of Items from Five Instruments to Their Hierarchical Complexity and to Each Other: One Scale or Many?
<b>9:25 - 9:50</b>	<b>Jones, Michael</b> Bridging semantic representation and associative memory theory	<b>Shiffrin, Richard</b> Model selection with few observations	<b>Lin, Anli</b> Standard Error Analysis with Bootstrap and IRT Model
<b>9:50 - 10:15</b>	<b>Yu, Chen</b> Hypothesis Testing and Associative Learning in Cross-Situational Word Learning: Are They One and the Same?	<b>Smith, Jared</b> Effects of Misspecification in Hierarchical modeling	<b>Xi, Johanna</b> Zipf Distributions of Characters in Dreams

**- COFFEE BREAK -**  
(10:15-10:30)

	<i>session chair: Michael Jones</i>	<i>session chair: Richard Golden</i>	<i>session chair: Michel Regenwetter</i>
<b>10:30 - 10:55</b>	<b>Dennis, Simon</b> A syntagmatic approach to syntactic representation: Extracting dependency and constituency information from corpora	<b>Golden, Richard</b> Theorems Supporting Statistical Inference for Possibly Misspecified Models in the Presence of Missing Data	<b>Birnbaum, Michael</b> Transitivity of Preference in Individuals
<b>10:55 - 11:20</b>	<b>Perfors, Amy</b> Hierarchical phrase structure and poverty of the stimulus: A Bayesian approach	<b>Heathcote, Andrew</b> State-Trace Analysis of the Face Inversion Effect	<b>Regenwetter, Michel</b> Testing Transitivity of Preferences: A Status Report
<b>11:20 - 11:45</b>	<b>Steyvers, Mark</b> Google and the mind: Predicting fluency with PageRank	<b>Iverson, Geoffrey</b> Test statistics, p-values and Bayes Factors	<b>Davis-Stober, Clinton</b> Ternary Choice Data and Order Polytopes

# Poster Session I

<b>Dunlop, Joseph</b>	Combined bootstrap and DISTATIS as a reliability measure for multivariate analysis: a neuroimaging example
<b>Kim, Woojae</b>	Model Selection with Data under Individual Differences
<b>Messner, William</b>	Evaluating the Priority Heuristic: A Comparison of Decision Making Models
<b>O'Brien, Jeffrey</b>	The P-rep Statistic as a Measure of Confidence in Model Fitting
<b>Robinett, Terri</b>	Mathematical Support for Kohlberg's Moral Stage Theory: Applying a Model of Hierarchical Complexity and Rasch Analysis
<b>Ross, Sara</b>	The Fractal Nature of Stage Change: A Model and Transition Data
<b>Shaoul, Cyrus</b>	Optimizing HAL parameter space for predicting linguistic behavior.
<b>Thomas, Robin</b>	Exploring different decision models of the uncertainty discrimination paradigm within the signal detection framework
<b>Tian, Xing</b>	Geometric measures in electrophysiology: Spatial similarity and response magnitude
<b>White, Corey</b>	Emotional Processing and Dysphoria: A Diffusion Model Analysis
<b>Yoshida, Michiko</b>	Modeling children's and adults' prosodic-cue perception for compound word ambiguity resolution
<b>Zeigenfuse, Matthew</b>	A Bayesian graphical modeling approach to additive clustering

## Poster Session II

<b>Buck, Cara</b>	Target priming effects in the Eriksen flanker task
<b>Hemmer, Pernille</b>	The Effect of Prior Knowledge on Memory for Events
<b>LaMuth, John</b>	A Psycho-Linguistic Model for Behavioral Ethics
<b>Lin, Anli</b>	Equating Designs Comparison: Matched-Sample versus Common-Person Design
<b>Miller, Jonathan</b>	Clustering by spatial proximity during memory search
<b>Nizami, Lance</b>	A hidden limit and some latent flaws of published versions of the Green/deBoer Signal Detection Theory model of the difference limen for white noise
<b>Pantelis, Peter C.</b>	Why are some faces' names easier to learn than others? The effects of similarity on memory for face-name pairs
<b>Park, Joonkoo</b>	Sensorimotor Locus of Neuronal Buildup Activity in Monkey Lateral Intraparietal (LIP) Area During a Choice Reaction-Time Task
<b>Purcell, Braden</b>	External and internal validity comparisons of three statistical analysis methods for sorting data using Munsell colors and personality traits
<b>Rieth, Cory</b>	Classification images from noise only trials: A comparison between face and letter detection
<b>Schmittmann, Verena</b>	Flexibility and generalizability of learning models embodying both all-or-none and incremental learning assumptions
<b>Silbert, Noah</b>	Independence in perception of complex non-speech sounds