
Thursday, July 24

7:00 pm: *Welcome and Registration, University Village*

Friday Morning, July 25

7:30 *Continental breakfast, Ballroom A, Student Union*

8:00+ *Registration: Student Union*

*Session 1, Room 325: Sensation,
Perception, and Psychophysics I*
Steve Link, Chair

*Session 2, Ballroom B: Methodology
and Statistics I*
Michel Reggenwetter, Chair

8:30 **The analytical form of the Daylight
Locus.** *Geoffrey Iverson and
Charlie Chubb, University of
California at Irvine*

**Model complexity and mimicry:
A case study of Connectionist
models of speech perception.**
*In Jae Myung, Woojae Kim, and
Mark Pitt, Ohio State University*

9:00 **The Café Illusion.** *Thaddeus Cowan,
Kansas State University and Weber
State University and Ben Smith,
Weber State University
and Mark Pitt, Ohio State University*

**Efficient computation of Fisher
Information in MDL-based model
selection**
Yong Su, In Jae Myung

9:30 **A theory of opponent processes.**
*Steve Link, University of California
and McMasters University*

**Robust asymptotic statistical
theory for knowledge digraph
contribution analysis**
*Richard M. Golden, University
of Texas at Dallas*

10:00

Break

10:30 ***Young Investigator Award Presentation and Talk, Ballroom B***

Baysian inference for testing axioms of measurement and decision.

*George Karabatsos, University of Illinois at Chicago,
YIA winner for 2002*

11:30-12:00+ ***Poster Session, (Hallway)***

- 1. Distinctive sequential statistical regularities in story summary and story recall data.** *Cynthia Jaynes and Richard Golden, University of Texas at Dallas.*
 - 2. Cortical oscillations during memory encoding predict subsequent memory.** *Per Sederberg, Brandeis University, Joseph Madsen, Children's Hospital, Boston, and Michael Kahana, Brandeis University*
 - 3. An exemplar-based random walk model of old recognition.** *Roger Stanton, Robert Nosofsky and Andrew Cohen, Indiana University*
 - 4. An exemplar similarity model of short-term perceptual recognition.** *Justin Kanter and Robert Nosofsky, Indiana University*
-

12:00-1:30 ***Box Lunch, Ballroom A***

SMP editorial board meeting: Skyroom

Friday Afternoon

Amos Tversky Honorary Symposium I, Ballroom B

1:30 *Richard Gonzales, University of Michigan*

2:00 **Modeling absolute and relative likelihood judgements.** *Craig Fox, University of California at Los Angeles*

2:30 **Modeling probability calibration.** *Lyle Brenner, University of Florida.*

3:00 **Probability calibration inferred from prices in an experimental stock market.** *Dale Griffin, Stanford University.*

3:30 **Heuristics biases and heterogeneity: Methodological and theoretical issues in using**

aggregate data to test hypotheses about individual-level choice processes. *Wes Huchinson, University of Pennsylvania.*

4:00 *Break*

Session 3, Room 325: Information Processing I

Richard Chechile, Chair

Session 4, Ballroom B: Measurement and Scaling.

George Karabatsos, Chair

4:30 **Reasoning with rules that have rare exceptions: A Bayesian second order probability approach.** *Donald Bamber and I. R. Goodman, Space and Naval Warfare Systems Center, and Hung T. Nguyen, New Mexico State University.*

The manifold of probability density functions. *Jun Zhang, University of Michigan.*

5:00 **Thresholding nonparametric regression.** *Zhang Wen, National University of Singapore*

Pyramid model of human problem solving. *Zheng Li and Zygmunt Pizlo, Purdue University*

5:30 **Techniques for hazard function analysis.** *Richard Chechile, Tufts University.*

Testing cancellation axioms with the Bayesian bootstrap. *George Karabatsos and Ching-Fan Sheu, University of Illinois at Chicago.*

6:30 *Cocktail Party at the Cowan-Wherry residence
2524 Van Buren, Ogden*

Saturday Morning, July 26

7:30 *Continental Breakfast, Ballroom A, Student Union*

Session 5, Room 325: Memory and learning I.

Ben Murdock, Chair

Session 6, Ballroom B: Categorization

Corey Bohill, Chair

8:30 **Modeling episodic and semantic effects in free recall: The eSAM model and false recall.** *Daniel R. Kimball, Michael J. Kahana and Yevgeny Sirotnin, Brandeis University.*

Neural network modeling of category learning using generalized radial basis functions. *Toshihiko Matsuka, Rutgers and James E. Corter, Columbia University.*

- | | | |
|-------|---|---|
| 9:00 | Strategic flexibility and architectural limitations in immediate serial recall. <i>Shane T. Mueller, University of Michigan.</i> | Text categorization using LSA. <i>Cheongtag Kim and Taehun Lee, Seoul National University.</i> |
| 9:30 | Microlevel analysis constrains models of serial learning. <i>Kelly M. Addis and Michael J. Kahana, Brandeis University.</i> | Generalization of implicit category structures. <i>Kristin Christy, Mark Hammerly, John Parker, and Robin Thomas, University of Ohio at Miami.</i> |
| 10:00 | Serial order effects in TODAM. <i>Ben Murdock, University of Toronto.</i> | A subjective utility based model of base rate and payoff effects in perceptual classification. <i>Corey Bohil and W. Todd Maddox, University of Texas.</i> |

10:30 **Break**

11:00 **Plenary Address, Ballroom B**
David Krantz, Columbia University

12:00 **Box Lunch, Ballroom A**
Governing Board Meeting: Skyroom

Saturday Afternoon

- | | | |
|------|--|--|
| | Session 7, Room 325: Sensation, Perception and Psychophysics II
<i>Lawrence DeCarlo, Chair</i> | Session 8, Ballroom B: Methodology and Statistics II.
<i>William Batchelder, Chair</i> |
| 1:15 | Subjective metrics on discrete object sets derived from their discriminability. <i>Hans Colonius, University of Oldenburg and Ehtibar Dzafarov, Purdue University</i> | Assessing model mimicry using the the parametric bootstrap. <i>Eric-Jan Wagenmakers, Northwestern University, Roger Ratcliff, Depaul University, and Geoffery J. Iverson, University of California at Irvine.</i> |
| 1:45 | Modeling multisensory integration. <i>Adele Diederich, International University at Bremen, and Hans Colonius, Universitaet Oldenburg.</i> | Regarding the distinguishability of retention functions. <i>Daniel Navarro, Mark Pitt and In Jae Myung, Ohio State University.</i> |

- | | | |
|------|---|---|
| 2:15 | Linking ratio and production and a reason to expect a power psychophysical function.
<i>R. Duncan Luce, University of California at Irvine, Ragnar Steingrímsson, New York University</i> | Robust asymptotic statistical theory for knowledge digraph contribution analysis. <i>Richard Golden, University of Texas at Dallas</i> |
| 2:45 | A multivariate extension of a latent class signal detection model.
<i>Lawrence DeCarlo, Columbia University</i> | Modeling cognition with hierarchical models. <i>William Batchelder and Jared Smith, University of California at Irvine.</i> |

3:15 **Break**

Amos Tversky Honorary Symposium II, Ballroom B

- | | |
|------|---|
| 3:30 | Evaluation of Cumulative Prospect Theory as a Descriptive Theory of Risky Decision Making. <i>Michael Birnbaum, University of California at Fullerton</i> |
| 4:00 | Reasons for rank dependent utility evaluation. <i>Elke Weber and Brit Kirsner, Columbia University</i> |
| 4:30 | A decision field theory account of preference reversal phenomena. <i>Jerome Busemeyer</i> |
| 5:00 | Observing unobserved heterogeneity using process data to enhance choice models.
<i>Eric Johnson, Bruce Hardie, Robert Meyer, and John Walsh, Columbia University.</i> |

5:30 **Business Meeting, Ballroom B**

7:00 **Banquet, Timbermine Restaurant, 1701 Park Blvd, Ogden**

Sunday Morning, July 27

7:30 **Continental breakfast, Ballroom A, Student Union**

Session 9, Room 325: Memory and Learning II.
Simon Dennis, Chair

Session 10, Ballroom B: Information Processing II.
Michael Wenger, Chair

8:30	A re-examination of the hit rate	Testing concurrent time reproduction
------	---	---

advantage for low frequency words in recognition memory. *Amy H. Criss and Richard M. Shiffrin, Indiana University.*

and visual search with cumulative distribution functions. *Richard Schweikert, Purdue University, Claudett Fortin, Universite Laval and Kyonje Sung, Purdue University.*

9:00 **A model of dopamine modulated cortical activation.** *Michael Casale and F. Gregory Ashby, University of California at Santa Barbara.*

Properties of a visual search task on two items revealed by the systems factorial methodology. *Mario Fific and James Townsend, Indiana University.*

9:30 **Evaluating models of feature inference category learning.** *Mark K. Johansen University College London and John K. Kruschke, Indiana University.*

Contrasting methods of parameter estimation for linear dynamic systems. *Michael Wenger and Angelina M. Copeland, University of Notre Dame.*

10:00 **How constrained are rational models of recognition memory.** *Simon Dennis and David Huber, University of Colorado.*

A simple decision timing model. *Bruce Oddson, University of Toronto.*

10:30

Break

*Session 11, Ballroom B : Judgement and decision making.
David Smith, Chair*

11:00 **A comparison of take-the-best and random walk models of decision.**
David Smith and Joseph Baranski, Defense Research and Development Canada .

12:00 **Beyond biases and bandages: A novel dynamic modeling explanation for robust preference choice.**
Joseph G. Johnson and Jerome Busemeyer, Indiana University

12:00

Conference Ends
