

THIRTY-FOURTH ANNUAL INTERDISCIPLINARY CONFERENCE

Jackson, Wyoming

February 8 – February 13, 2009

Organizers: George Sperling and Richard Shiffrin
University of California, Irvine, and Indiana University

Proceedings

Sunday, February 8: 5:15 - 5:55 pm*****Reception******Registration, Snacks, and Refreshments.*

*Sunday, February 8: 6:00 - 8:00 pm***First Night Miscellany*

Richard Shiffrin, *Indiana U.* Infomercial on Cross-Country Skiing.

Erica Okada, *U. Hawaii.* Green Product Pricing Premium and the Thoughtful Consumer.

Del Lindsey, *Ohio State U.* Visual Search as a Test of the Special Status of Pink.

Patricia Cheng, *UCLA.* A Mental Construct of Causation for the Coherent Representation of an Objective Causal World.

Monday, February 9: 4:00 – 8:00 pm Psychophysics: Theoretical and Applied

Tina Beard, *NASA Ames.* Cognitive Assessment in Spaceflight Analogue Environments.

Jeff Mulligan, *NASA Ames.* Spatial Disorientation and Space Flight.

Zhong-Lin Lu, *USC.* The Quick Methods: Bayesian Adaptive Estimation of Psychological Functions.

Michael Lee, *UC Irvine.* A Cyclic Sequential Sampling Model of Bistable Perception.

Misha Pavel, *Oregon Health & Science U.* Auditory Fusion – Theoretical Implications of Empirical Results in Speech Recognition.

Shihab Shamma, *U. Maryland.* Encoding of Task Rules and Objectives in the Auditory and Prefrontal Cortex.

Tuesday, February 10: 5:00 – 8:00 pm Robotics (Organizer: Matthias Scheutz)

Matthias Scheutz, *Indiana U.* Useful Mobile Robots. A Review.

Julie Adams, *Vanderbilt U.* Cognitive Limitations When Humans Interact With Large Teams of Robots.

Mike Goodrich, *BYU.* The Right Amount of Robot Autonomy for Humans-In-The-Loop.

Matthias Scheutz, *Indiana U.* The Need for Situated Embodied Language Processing in Robots.

Ted DeYoe, *Medical College of Wisconsin.* Neuroimaging Aids for Brain Cancer Treatment.

Wednesday, February 11: 4:00 – 8:00 pm Cognition

Richard Shiffrin, *Indiana U.* Model Selection for Dummies.

Tim McNamara, *Vanderbilt U.* Use of Geometric and Non-Geometric Cues in Maintaining Orientation.

Angela Brown, *Ohio State U.* Infant Visual Performance is Primarily Limited by “Mid-Level” Critical Immaturities.

Roger Ratcliff, *Ohio State U.* Insights from Physiological Measures into Modeling Simple Decision Processes.

Thomas Palmeri, *Vanderbilt U.* Neural Basis of Stochastic Accumulator Models of Perceptual Decision Making.

Bosco Tjan, *USC.* A Developmental Theory of Crowding.

Thursday, February 12: 4:00 – 8:00 pm Perception and Attention

Ted DeYoe, *Medical College of Wisconsin.* The Cortical “Window of Attention” and Its Relationship to the Visual Field.

David Heeger, *NYU.* The Normalization Model of Attention.

Pam Jeter, *UCLA.* Characteristics of Specificity and Transfer in Perceptual Learning: Psychophysical Investigations of Precision & Learning.

Barbara Doshier, *UC Irvine.* Perceptual Learning of Judgment Precision: An Elaborated Perceptual Template Mode.

Norma Graham, *Columbia U.* More About “Buffy” Adaptation and Its Interaction With “Weber” Adaptation.

George Sperling, *UC Irvine.* Trapezoidal Illusions: Windsurfers and Runways.

**Brief Business Meeting

Friday, February 13: 4:00 – 8:00 pm Memory (Organizer: Ken Malmberg)

Angela Nelson & Richard Shiffrin, *Indiana U.* Contextual Effects in Knowledge Development.

Dave Huber, *UC San Diego.* Investigating Inappropriate Cue Utilization in the Own-Race Bias.

Ken Malmberg, *U. South Florida.* Implications of Recognition Priming for Models of Recognition Memory.

Diane Pecher, *Erasmus University Rotterdam.* The Testing Effect: Lowering the Rate of Forgetting.

Rene Zeelenberg, *Erasmus University Rotterdam.* Emotion Improves and Impairs Early Vision.

*** 8:20pm Banquet ***

Attendees

Eric Egan, *Ohio State U.*

Javier Garcia, *UC Irvine.*

Ling Lin, *UC Irvine.*

Eric Mais, *U. Hawaii*

Gail McKoon, *Ohio State U.*

Bennet Murdock, *U. Toronto*

Nicholas Port, *Indiana U.*

Clinton Weeks, *Ohio State U.*

Corey White, *Ohio State U.*