

THIRTY-THIRD ANNUAL INTERDISCIPLINARY CONFERENCE

Teton Village, Jackson Hole, Wyoming

February 3 – February 8, 2008

Organizer: George Sperling, University of California, Irvine

Proceedings

Sunday, February 3: 5:15 - 5:55 pm *****Reception***** *Registration, Snacks, and Refreshments.* The Inn, Room 230

Sunday, February 3: 6:00 - 8:00 pm *****First Night Miscellany** The Inn, Rimrock Room

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

Jeff Mulligan, *NASA Ames.* Current Trends in Operator State Assessment.

Erica Okada, *U. Hawaii.* Prospective Reflection Versus Memory of Time Expenditures.

Adina Roskies, *Dartmouth College.* Folk Intuitions About Freedom and Moral Responsibility.

Zhong-Lin Lu, *USC.* Perceptual Mechanisms and Learning in Anisometric Amblyopia.

Monday, February 4: 3:45 – 4:15 pm The Inn, Room 230, **Reception**

Monday, February 4: 4:20 – 8:00 pm **Brain Mechanisms**

Bart Krekelberg, *Rutgers U.* Neural Mechanisms of Speed Perception.

John Reynolds, *Salk Inst.* Mapping the Microcircuitry of Attention: Attentional Modulation Varies Across Cell Classes in Visual Area V4.

Duje Tadin, *U. Rochester.* The Mechanisms of Figure-Ground Segregation in Visual Motion Perception.

Steve Shevell, *U. Chicago.* Lateral Inhibition Mediated by Object Segmentation, not Receptive-Field Organization.

Xiaoping Hu, *Emory U. & Georgia Tech.* Assessing Brain Connectivity with fMRI.

Paul Sajda, *Columbia U.* EEG-Informed fMRI Reveals Spatiotemporal Characteristics of Perceptual Decision Making.

Tuesday, February 5: 4:00 – 8:00 pm **Individual Differences in Sensory Perception** (Organizer: David Peterzell)

David Peterzell, *UC San Diego.* Identifying Sensory Processes Using Individual Differences in Color Vision.

Michael Webster, *U. Nevada, Reno.* Adaptation and Perceptual Norms.

Del Lindsey & Angela Brown, *Ohio State U.* Diversity in Color Naming in the World Color Survey.

Jeremy Wilmer, *U. Penn.* Isolating Mechanisms of Stereopsis, Motion Perception, and Oculomotor Control With Individual Differences.

Dennis McFadden, *U. Texas, Austin.* Group and Individual Differences in the Inner Ear.

Ulman Lindenberger, *Max Planck Inst.* Between- and Within-Person Differences in Evidence Accumulation.

Wednesday, February 6: 4:00 – 8:00 pm **Aging; Perception 2**

Misha Pavel & Holly Jimison, *Oregon Health & Science U.* Unobtrusive Assessment of Cognitive Functions Using Computer Games.

Tom Busey, *Indiana U.* Temporal Processing in Hearing, Vision and Touch: Effects of Aging.

Bill Geisler, *U. Texas, Austin.* Uncertainty Minimization: A Principled Approach for Analyzing Natural Tasks and Scene Statistics.

Zygmunt Pizlo, *Purdue U.* 3D Shape: Its Unique Place in Visual Perception.

Ben Backus, *SUNY.* A Bayesian Model of Cue Combination For Perceptually Dichotomous Behavior.

George Sperling, *UC Irvine.* Deriving the Parameters of Attention Filters that Select and Reject Visual Inputs.

**Brief Business Meeting: Where do we go next year?

Thursday, February 7: 4:00 – 8:00 pm **Auditory Attention** (Organizer: Shihab Shamma); **Perception 3**

Shihab Shamma, *U. Maryland.* Encoding Task Rules and Performance in Auditory and Frontal Cortex of the Ferret.

Barbara Shinn-Cunningham, *Boston U.* Suppressing Irrelevant (and Relevant) Auditory Objects in Complex Auditory Scenes.

Mounya Elhilali, *Johns Hopkins U.* Foreground and Background at the Cocktail Party – Interaction Between Attention & Auditory Pop-Out.

James Elder, *York U.* A Bayesian Multi-Scale Model of Perceptual Organization.

Alex Petrov, *Ohio State U.* The Dynamics of Perceptual Learning in Nonstationary Contexts: Data and Model.

Chia-huei Tseng, *National Taiwan U.* Covert Attention Enhances Auditory Loudness.

Friday, February 8: 4:00 – 8:00 pm **Cognition and Memory**

Patricia Cheng, *UCLA.* Explaining Why We Don't Think Barometric Readings Cause Storms, and Beyond.

Tim McNamara, *Vanderbilt U.* The Role of Environmental Geometry in Orientation and Reorientation.

Barbara Doshier, *UC Irvine.* The Decay of Perceptual Representations in Iconic Memory.

Lynne Reder, *Carnegie Mellon U.* How Midazolam Can Help Us Understand Human Memory.

Roger Ratcliff, *Ohio State U.* Modeling Confidence Judgments in Recognition Memory.

Angela Nelson & Richard Shiffrin, *Indiana U.* Modeling the Co-Evolution of Event Memory and Knowledge: Effects of Experience.

* * * 8:20pm Banquet * * *

Attendees

Javier Garcia, *UC Irvine*

Izidor Gertner, *CUNY*

Arvin Hsu, *UC Irvine*

Pamela Jeter, *UC Irvine*

George Kachergis, *Indiana U.*

Bethany Kordella, *Ohio State U.*

Maria Kozhevnikov, *George Mason U.*

Jessica Love, *Ohio State U.*

Eric Mais, *U. Hawaii*

Gail McKoon, *Ohio State U.*

Bennet Murdock, *U. Toronto*

Jeffrey Starns, *Ohio State U.*

Corey White, *Ohio State U.*