

THIRTY-EIGHTH ANNUAL INTERDISCIPLINARY CONFERENCE

Teton Village, Jackson Hole, Wyoming

January 27 – February 1, 2013

Organizer: George Sperling, University of California, Irvine

Proceedings

Sunday, January 27: 5:00 - 5:30 pm ***Reception***Registration, Snacks, and Refreshments.

Sunday, January 27: 5:30 - 8:00 pm Sunday Night Miscellany

Rich Shiffrin, *Indiana U.* Infomercial on back-country skiing.

Shaw Ketels, *U. Colorado, Boulder.* Training away anchoring in a weighted centroid judgment task.

Matthias Scheutz & Richard Veale, *Tufts U.* A biologically plausible embodied (robotic) model of infant word-referent association learning.

Kerry Jordan, *Utah State U.* Multiple cues enhance quantitative discrimination in infancy.

Hynek Hermansky, *Johns Hopkins U.* Dealing with unknown unknowns in speech.

Monday, January 28: 4:00 - 8:00 pm Perceptual Learning, Using and Misusing Probability

Phil Kellman, *UCLA.* Unifying and applying perceptual learning.

Lynne Kiorpes, *NYU.* Perceptual learning in amblyopia.

Barbara Doshier, *UC Irvine.* Perceptual learning.

Michael Lee, *UC Irvine.* Bayesian reanalyses of inferences in the psychological literature.

Michael Shadlen, *Columbia U.* A connection between time and the neural computation of probability.

Mark Gluck, *Rutgers U.* Hippocampal dysfunction leads to generalization deficits in Alzheimer's disease, PTSD and depression.

Misha Pavel, *NSF,* & Holly Jimison, *OHSU.* Revolutionizing neuropsychological assessments with computational modeling approaches.

Tuesday, January 29: 4:00 - 8:00 pm Higher-Level Vision (Organizer: Zygmunt Pizlo)

Laurie Wilcox, *York U.* What we perceive from what we don't see.

Larry Cormack, *U. Texas, Austin.* The processing of 3-dimensional motion: What we know, what it means, and future directions.

Casper Erkelens, *Utrecht U.* Phenomena in picture perception explained by linear perspective.

Zygmunt Pizlo, *Purdue U.* Solving 3D symmetry correspondence in 2D asymmetrical images.

James Elder, *York U.* Perceptual organization of shape.

Tatiana Pasternak, *U. Rochester.* Defining the role of prefrontal cortex in sensory decision-making.

Tony Movshon, *NYU.* Cortical and perceptual processing of naturalistic visual structure.

Wednesday, January 30: 4:00 - 8:00 pm Attention and Other Higher-Level Processes

John Reynolds, *Salk Institute.* A precise and minimally invasive approach to optogenetics in the awake primate.

Jeff Mulligan, *NASA Ames Research Center.* Reflexive and voluntary control of smooth eye movements.

Bosco Tjan, *USC.* fMRI additivity of attended and unattended image contents.

Keith Schneider, *York U.* Attention biases decisions but does not alter appearance.

Rich Shiffrin, *Indiana U.* How are multiple calls for attention adjudicated?

George Sperling, *UC Irvine.* Attention filters.

** Business Meeting

Thursday, January 31: 4:00 - 8:00 pm Psychonomics at AIC

Xiaoping Hu, *Emory U.* Individual connectomic profiles derived from resting state functional networks.

Roger Ratcliff & Gail McKoon, *Ohio State U.* A diffusion model analysis of number processing.

Tom Busey, *Indiana U.* The utility of intermediate-level feature representations.

John Tsotsos, *York U.* Still revisiting visual routines.

James Cutting, *Cornell U.* Perceiving event dynamics and parsing Hollywood films.

Cory Miller, *UCSD.* Auditory attention in a marmoset cocktail party.

Timothy McNamara, *Vanderbilt U.* Environmental geometry and retrieval from long-term memory.

Friday, February 1: 4:00 - 8:00 pm Friday Miscellany

Danielle McNamara, *Arizona State U.* Interactive features impact on student attention and performance within an ITS.

Peter Dixon, *U. Alberta.* Visual and verbal codes in the SNARC effect.

Nicholas Port & Bryan Redick, *Indiana U.* Saccadic adaptation and smooth pursuit gain confirm cerebellar deficiency in schizophrenia.

Zhong-Lin Lu, *Ohio State U.* Perceptual learning in adults with amblyopia.

Justin Halberda, *Johns Hopkins U.* An interface between vision, numerical cognition, and word meanings.

Mark Steyvers, *UC Irvine.* Calibrating and aggregating forecasts about world events.

Patricia Cheng, *UCLA.* Inducing hidden causes from violations of causal invariance.

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Attendees

Izidor Gertner, *CUNY*

Mel Sharafuddin, *U. Iowa*

Eric Mais, *U. Hawaii*

Erica Okada, *U. Hawaii*