THIRTY-NINTH ANNUAL INTERDISCIPLINARY CONFERENCE
Teton Village, Jackson Hole, Wyoming
February 2 – February 7, 2014
Organizer: George Sperling, University of California, Irvine

Proceedings

Sunday, February 2:  5:00 - 5:30 pm** Reception*** Registration, Snacks, and Refreshments.

Sunday, February 2:  5:30 - 8:00 pm Sunday Night Miscellany
Rich Shiffrin, Indiana U. Infomercial on back-country skiing.
Matthias Scheutz, Tufts U. An embodied real-time model of language-guided visual search.
Sverker Sikstrom, Lund U. Accounting for retrieval-induced forgetting with spike-time-dependent plasticity.
Xiaoping Hu, Emory U. Probing more into the dynamic nature of resting state brain.

Monday, February 3:  4:00 - 8:00 pm Psychophysics and Physiology
Barbara Dosher, UC Irvine. Perceptual learning, feedback, and generalization.
Justin Halberda, Johns Hopkins U. Approximate number and average size are representations with no individuals.
Nicholas Port, Indiana U. Visual motion perception & ocular-following eye movements in people of all ages.

Tuesday, February 4:  4:00 - 8:00 pm Perceptual Organization (Organizer: James Elder)
James Elder, York U. A generative theory of shape.
Steve Silverstein, Rutgers U. Perceptual organization impairment in schizophrenia: Mechanisms and consequences.
Steven Zucker, Yale U. The differential geometry of shape from shading. Biology reveals curvature structure; Organizing isophotes.
Cory Miller, UC San Diego. Vocal motor activity in primate frontal cortex during natural communication.

Wednesday, February 5:  4:00 - 8:00 pm Binocular Vision (Organizer: Larry Cormack)
Larry Cormack, U. Texas, Austin. Assaying visuomotor behavior using the response movement correlogram.
Johannes Burge, U Texas, Austin. Using natural images to determine optimal processing for speed estimation.
Thaddeus Czuba, Albert Einstein College of Medicine. More than meets the eye: Binocular 3D motion processing in area MT.
Laurie Wilcox, York U. On the effects of perceptual grouping on depth percepts from stereopsis.
George Sperling, UC Irvine. The moving-barber-pole illusion.

** Business Meeting

Thursday, February 6:  4:00 – 8:00 pm Development, Working Memory (Organizer: Steve Shevell)
Bosco Tjan, USC. Quantifying the relationship between the fMRI BOLD signal and neuronal activity.
Zygmunt Pizlo, Purdue U. Solving large problems with small working memory.
Michael Landy, New York U. Coordinate systems for movement planning.

Friday, February 7:  4:00 – 8:00 pm Friday Miscellany
Patricia Cheng, UCLA. Nature’s wisdom: How causal discovery in preschool children can inform scientific causal inference.
Roger Ratcliff & Gail McKoon, Ohio State U. Single trial analysis of EEG in memory.
Misha Pavel, Northeastern U. Can big data compensate for small ideas?
Ben Backus, SUNY. A model for the treatment of two disorders of binocular vision.

Poster:  Feb 6-7, Baptiste Caziot, SUNY. The orienting of attention across binocular disparity.

* * * 8:30pm Banquet * * *

Attendees
Michael Crognale, U. Nevada, Reno Bennet Murdock, U. Toronto
Izidor Gertner, CUNY Mark Stewart, Willamette U.
Holly Jimison, Northeastern U. George Wolberg, CUNY