

TWENTY-SIXTH ANNUAL INTERDISCIPLINARY CONFERENCE

Teton Village, Jackson Hole, Wyoming

January 21 – January 26, 2001

Organizer: George Sperling, University of California, Irvine

Proceedings

Sunday, January 21: 5:00 - 6:00 pm*****Reception******Registration, Snacks, and Refreshments.* Rimrock Room.
6:00 - 8:00 pm*****First Night Miscellany**

Jeffrey Mulligan, *NASA Ames*. Scan-path Analysis of Air Traffic Control Displays.
Holly Jimison, *HRC and OHSU*. Challenges in Evaluating the Effectiveness of Web-based Interventions for Health Care.
Leonid Kontsevich, *Smith-Kettlewell Eye Research Institute*. How Random Are We?
Rich Shiffrin, *Psych., Indiana U*. Paradoxes of Backwards Induction.

Monday, January 22: 4:00 – 8:00 pm **Vision: Physiology and Psychophysics**

David Heeger, *Psych., Stanford U*. Activity in Primary Visual Cortex Predicts Performance in a Visual Detection Task.
Wilson Geisler, *Psych., U. Texas, Austin*. Spatial Coding of Motion Direction in Primary Visual Cortex.
Tatiana Pasternak, *Neurobio/Anat, U. Rochester*. Direction of Motion is Remembered in Retinotopic Coordinates.
Benjamin Backus, *Psych., U. Penn*. Loss of Disparity Information During Perception of Surfaces.
Jan Droesler, *Psych., U. Regensburg*. What Warps Binocular Visual Geometry Away from the Euclidean.
Steve Shevell, *Visual Sciences Center, U. Chicago*. Spatial Localization of a Virtual Object.
Joetta Gobell, *CogSci, UC Irvine*. Effect of Scene Orientation on Depth Perception: Trapezoids, Windsurfers, Runways.

Tuesday, January 23: 4:00 – 8:00 pm **Visual Perception**

Bruce Henning, *Exp. Psych., U. Oxford, UK*. The Pedestal Effect with a Pulse Train and its Constituent Sinusoids.
Joongnam Yang, *Visual Sciences Center, U. Chicago*. Illuminant Estimation in Surface Color Perception.
Sophie Wuerger, *Comm/Neurosci, Keele U*. The Intrinsic Blur of the Visual System for Luminance and Chromatic Stimuli.
Zygmunt Pizlo, *Psych., Purdue U*. Status of the Zone Theory of Color Coding.
David Fleet, *Xerox PARC & Queen's U*. Bayesian Detection & Tracking Motion of Motion Boundaries.
Tjeerd Dijkstra, *Psych., Ohio S*. Perception of Orientation: An Empirical Bayesian Model.
Misha Pavel, *Oregon Graduate Institute*. Fusion-Based Robust Signal Processing by Humans and Machines.

Wednesday, January 24: 4:00 – 8:00 pm **Recognition Memory** (Organized by K. Norman & K. Malmberg)

Rik Henson, *Inst. CogNeurosci., London*. fMRI Studies of Recognition Memory.
Ken Norman, *Psych., U. Colorado, Boulder*. Modeling Hippocampal & Neocortical Contributions to Recognition Memory.
Elliot Hirshman, *Psych., U. Colorado, Denver*. Pharmacological "Lesions."
Michael Rugg, *Inst. CogNeurosci., London*. Fractionation of Recognition Memory.
William Banks, *Psych., Pomona College*. Multidimensional Analysis of Memory.
Charles Brainerd, *Ed. Psych., U. Arizona*. Representational Bases for Dual Recognition Processes.
Caren Rotello, *Psych., U. Mass*. ROC Analyses of Recognition Memory & Remember-Know.

Thursday, January 25: 4:00 – 8:00 pm **Perception, Attention, Information Processing**

Bosco Tjan, *Psych., U. Southern California*. Object Recognition by Anarchy.
Georg Meyer, *Comm/Neurosci, Keele U*. What Holds Speech Together? - Perceptual Organization by Formant Structure.
John Antrobus, *City College, CUNY*. Harmonics as Acoustic Features in Speech Recognition: Vowel Classification.
Barbara Doshier, *CogSci, UC Irvine*. Using Stimulus Noise to Define Attentional Processes.
Phillip Smith, *Psych., U. Melbourne*. Attentional Dynamics of Masked Detection.
Roger Ratcliff, *Psych., Northwestern U*. Neural Recordings and Simple Two-choice Decisions.
George Sperling, *CogSci, UC Irvine*. Measuring Iconic Memory with EEG.
Brief Business Meeting

Friday, January 26: 4:00 – 8:00 pm **Cognition**

Tom Busey, *Psych., Indiana U*. Recognition & Confidence Judgments of Faces: Contributions of Recollection and Familiarity.
Amy Criss, *Psych., Indiana U*. Why are you confused? Item and Context Noise in Recognition Memory.
Tim Rickard, *Psych., UC San Diego*. Memory Retrieval from Two Independent Cues: Is There Response Time Facilitation?

David Huber, *Psych., U. Colorado*. Source Confusion and Discounting in Short-Term Word Priming: ROUSE predictions.
Ken Malmberg, *Psych., Indiana U.* Modelling the Effects of Item Repetitions on Direct and Indirect Memory Task Performance.
Simon Dennis, *U. Queensland*. The Syntagmatic Paradigmatic Model of Sentence Processing.
Mark Steyvers, *Psych., Stanford U.* Small World Networks & Semantic Networks.
* * * 8:20pm **Fireside Banquet at The Inn** * * *

Attendees

John Antrobus, *CCNY*

Tim McNamara, *Vanderbilt U.*

Allen Poirson

Bill Merigan, *U. Rochester*

Tom Nelson, *U. Maryland*

Vladimir Tourovski

Harry Bahrick, *Ohio Wesleyan U.*

Bennet Murdock, *U. Toronto*

George Wolford, *Dartmouth*

Pete Murray, *Indiana U.*

Danielle McNamara, *Old Dominion U.*

Richard Zemel, *U. Toronto*

Izidor Gertner, *CUNY*