

50th Annual Interdisciplinary Conference
Jackson, Wyoming
Jan 15-Jan 19, 2025

Organizer: Nicholas Port and Zyg Pizlo

Thursday Jan 15th. 4:00-8:00

Misha Pavel, *Northeastern*.

Brian Garibaldi, *Johns Hopkins*.

Cory Miller, *UCSD*. A gaze map in marmoset hippocampus

Kevin Lande, *York*.

Peter Kohler, *York U*. Is symmetry processing constrained by familiarity?

Jacob Beck, *York U*, Resurrecting a primary–secondary quality distinction

Friday Jan 16th, 4:00-8:00

Laura Soter, *York U*.

Kimberly A. Jameson, *UCI*. Color perception genes and their clinical relevance.

Lynne Kiorpes, *NYU*. Functional attentional mechanisms in amblyopia

Indie Garwood, *UPenn*.

Shih-Wei, *National Yang Chiao U*. Detecting regime shifts: under- and overreactions to change

Sam Clarke, *UC Santa Barbara*.

Michael Rudd, *UNR*. Quantitative neural model of lightness perception

Saturday Jan 17, 4:00-8:00 - 50th Anniversary Special Symposium

Christopher (Ex Bill) Tyler.

Barbra Dosher, *UCI*.

Richard Shiffrin, *Indiana U*. A model for recognition accuracy and response time that includes time to collect features.

Tony Movshon, *NYU*. From stuff to things in the visual cortex

Roger Ratcliff, *OSU*.

James Townsend, *Indiana U*. Constructing a Theory-Driven Methodology that Assesses Architecture, Decisional Stopping Rule, Workload Capacity and Various Types of Independence: Unifying General Recognition Theory with Systems Factorial Technology

George Sperling, *UCI*. Parvo versus magno Isoluminance

Sunday Jan 18, 4:00-8:00 - Special Symposium, Temporal Interference Organizer: Josh Brown

Kari Theurer, Trinity College.
Colin Allen & Adina Roskies, UCSB.

Temporal Interference Session:

Josh Brown, Indiana U. Characterizing the BOLD fMRI response to temporal interference stimulation in humans

Andy Huang, Soterix Medical. TI stimulation - pros, cons, and future directions

Jon Ryan, Emory U. Converging Evidence That Ventral Striatal Theta-Range Temporal Interference Enhances Reward Positivity

Christopher Pack, McGill U. Single-neuron effects of temporal interference stimulation

Temporal Interference Panel Discussion

Monday Jan 19 4:00-8:00

Nicholas Port, Indiana U. The Effect of Concussion on the Pupillary Light Reflex

Franco Pestilli, UT Austin.

Jessi Witt, Colorado State. .

Mike Landy, NYU. Temporal integration in visual and somatosensory cortex is consistent with normalization

Matt Chaffee, U MN,

Ellen Payne, Moravian U.

David Barack, Carnegie Mellon. Foraging, Inquiry, and Cognitive Architecture

In attendance:

Holly Jimison, Northeastern.

Jeff Mulligan, NASA Ames (ret).

Tim McNamara, Vanderbilt.

Kerry Jordan, UT State U.

Abby McArthur, Sunshine Coast U.

Dominick Krepski

Ethan Jacobs