

45th Annual Interdisciplinary Conference
Teton Room, Teton Mountain Lodge
Teton Village, WY

Friday, Feb 7.

4:00 Reception.

4:30 **Timothy P. McNamara** (Vanderbilt U.) Bayesian Decision Theory and Navigation *Redux*.

5:00 **James Elder** (York U.) 3D shape from bounding contour.

5:30 **Natalie A. Kacinik** (Brooklyn College) Size is NOT embodied! Even when tested with an explicit sensorimotor task or more salient manipulation.

6:00 Coffee Break.

6:30 **Jeffrey Mulligan** (NASA) Evaluation of tablet-based methods for vision assessment.

7:00 **Adina Roskies** (Dartmouth College) Measuring agency.

7:30 **Michael Landy** (NYU) The effect of joint attention on visual-tactile integration and recalibration.

Saturday, Feb 8.

4:00 Session begins.

4:15 **Farran Briggs** (U. Rochester) Exploring attention at different neuronal scales.

4:45 **Anita Disney** (Duke U.) Brain states and chemical neuromodulation of cortex.

5:15 **Valentin Dragoi** (U. Texas, Houston) Population synchrony in cortical networks.

5:45 Coffee Break.

6:00 **Xiaoping Hu** (UC Riverside) Characterization of Age-related Microstructural Changes in Locus Coeruleus and Substantia Nigra Pars Compacta.

6:30 **Shreesh Mysore** (Johns Hopkins U.) Multi-holed donuts and categorical selection.

7:00 **Neda Nategh** (U. Utah) Neural and computational basis of visuospatial perception during saccadic eye movements.

7:30 Business meeting.

8:00 Banquet – The Inn – Restaurant.

Sunday, Feb 9.

4:00 Session begins.

4:30 **Cory Miller** (UCSD) Context Affects Vocal Signal Processing in Primate Prefrontal Cortex Neurons.

5:00 **Susanne Ressler** (Indiana U.) Secreted synaptic organizers are bridging the gap - C1QL3 orchestrate complex formation between pre- and post-synaptic receptors.

5:30 **Thomas Serre** (Brown U.) Disentangling neural mechanisms for perceptual grouping.

6:00 Coffee Break.

6:30 **Franco Pestilli** (Indiana U.) Human age is predicted by the association of multiple brain network and behavioral factors.

7:00 **Joshua W Brown** (Indiana U) Cognitive control from the perspective of control theory: computational modeling and fMRI.

7:30 **Michael Frank** (Brown U.) Spatiotemporal dynamics of corticostriatal dopamine in learning and decision making.

Monday, Feb 10.

4:00 Session begins.

4:15 **George Sperling** (UC Irvine) Multiple salience maps?

4:45 **Megan A. K. Peters** (UC Riverside) An autoencoder approach to measuring dimensionality and content of information transmission across cortical processing regions.

5:15 **Justin Halberda** (Johns Hopkins U.) Our Concept Of Approximate Number Cannot Be Inferred From Continuous Dimensions Such As Density, Area, and Convex Hull.

5:45 **Jessica K. Witt** (Colorado State U.) Visualizing Uncertainty in Temperature Predictions and Simple Comparisons.

6:15 Coffee break.

6:30 **Nicholas L Port** (Indiana U.) Comparison of the Vestibular/Ocular-Motor Screening (VOMS) and Sport Concussion Assessment Tool-3 (SCAT-3): An NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium Analysis.

7:00 **Fulvio Domini** (Brown U.) A deterministic approach to the problem of 3D-cue integration.

7:30 **Zyg Pizlo** (UC Irvine) The status of mental representations in cognitive functions.