AIC 2024 Program
Jackson , WY

Thursday January 25, 2024

Ellen Payne, *Moravian U*. Cold weather illnesses.
Corry Miller, *UCSD*. How the brain works.
Brian Garibaldi, *Johns Hopkins*. Racial disparities in pulse oximetry.
Michele Basso, *U Wash*. The role of the primate superior colliculus in perceptual decision-making.
Michaell Frank. *Brown*. Beyond drift diffusion: fitting a broad class of neurally informed decision making models with likelihood approximation networks.
Colin Allen, *UC Santa Barbara*. On the unreasonable ineffectiveness of mathematics in Psychology.
Johannes Burge, *U Penn.* The Spectral Ideal Observer and Applications.

Friday Jan 26, 2024 - Organizer: Mike Landy
"Perceptual Metacognition"

Mike Landy, *NYU*. Two interesting effects in multisensory integration and recalibration: asymmetric likelihoods and overconfidence.
Megan Peters, *UCI*. How to induce — and measure — "overconfidence" in perception.
Brian Odegaard, *U FL*. Perceptual Decision Making Across the Visual Periphery.
Doby Rahnev, *Georgia Tech*. The computations underlying confidence judgments.
Chris Fetsch, *Johns Hopkins*. Cortical dynamics during concurrent deliberation for choice and confidence.
Keith Schneider, *U Del*. Decision confidence is reflected in the entropy of the psychometric Function.
Anthony Atkinson, *Durham*. Identifying facially expressed emotions: The differential contributions of foveal and extrafoveal visual processing.

Saturday Jan 27, 2024 - Organizer James Elder
"Go Configure: Puzzles of Shape Perception"

Kevin Lande, *York U*. The spatial unity of perception.
Tai Sing Lee, *CMU*. The role of sparsity in neural codes on shape representation.
Thomas Serre, *Brown*. Aligning deep neural networks with human vision will require better training data and learning algorithms.
Dirk Berhardt-Walther, *U of Toronto*. Shape cues for understanding complex scenes: Evidence from psychophysics, neuroscience, and computer vision.
James Elder, *York U*. Scaling perceptual curvature.
Tim Oleskiw, *NYU*. Neural code for natural planar shape in the ventral stream.
Peter Kohler, *York U*. Investigating local and configural shape processing with steady-state visual evoked potentials.

MaryAnn Martone, *UCSD*. An international ecosystem for open neuroscience

David Kennedy, *U Mass*. The consequences of Small Data and Bad Behavior and What to do about it.

Alejandro De La Vega, *UT Austin*. Expert-driven tools for automated synthesis of the neuroimaging literature.

Franco Pestilli, UT Austin. Center for Meso-Scale Connectivity.

Xiaoping Hu, *UC Riverside*. Locus Coeruleus Integrity and Cognition in Aging.

Stefan Posse, *U New Mexico*. Towards Mapping Resting-State Connectome Dynamics in Real-Time – from Neuroscience Discovery to Clinical Applications.

Todd Constable, *Yale*. Insights into both Brain and Behavior through construct isolated brain-behavior Models.

Pizza Banquet.

Monday Jan 29 2024

Jessica Witt, *Colorado State*. Visualizations for Weather-Related Decisions Under Uncertainty.

Josh Brown, IU. Monkey prefrontal cortex learns to minimize sequence prediction error.

Matt Chafee, *U of MN*. Synaptic mechanisms of cognitive control in prefrontal cortical networks.

David Crowe, *Augsburg College*. Drift diffusion modeling of behavior in an animal model of schizophrenia.

Nicholas Port, *IU*. Optimizing use of the use of the SCAT symptom checklist.

Zyg Pizlo, *UCI*. How different is Artificial Intelligence from Human Intelligence?