

opam31

San Francisco, California | November 16, 2023

JOIN US TO CELEBRATE OUTSTANDING RESEARCH BY GRADUATE AND POSTDOCTORAL SCIENTISTS AT THE ANNUAL OBJECT PERCEPTION, ATTENTION, AND MEMORY CONFERENCE!

SCHEDULE AT A GLANCE

ALL TIMES ARE **PACIFIC STANDARD TIME**

7:15 - 8:15 AM **REGISTRATION**

7:45 - 8:00 AM **OPENING REMARKS**

8:00 - 9:00 AM **TALK SESSION 1**

9:00 - 9:15 AM **BREAK**

9:15 - 10:15 AM **TALK SESSION 2**

10:15 - 10:30 AM **BREAK**

10:30 - 11:30 AM **POSTER SESSION 1**

11:30 - 12:15 PM **LUNCH**

12:15 - 1:15 PM **POSTER SESSION 2**

1:15 - 1:30 PM **BREAK**

1:30 - 2:30 PM **TALK SESSION 3**

2:30 - 2:45 PM **BREAK**

2:45 - 3:45 PM **TALK SESSION 4**

3:45 - 4:00 PM **BREAK**

4:00 - 4:55 PM **KEYNOTE ADDRESS:
DR. JAMES BROCKMOLE**

4:55 - 5:00 PM **CLOSING REMARKS**

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2023 ORGANIZERS || RYAN O'DONNELL | CHENXIAO GUAN | KAROLINA KRZYS | HAN ZHANG



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OPENING REMARKS 7:45 - 8:00 AM

TALK SESSION 1 8:00 - 9:00 AM

- 8:00 AM **Perception- and Decision-driven Biases Exhibit Differential Response Trajectories in a Working Memory Task**
Kuo-Wei Chen & Gi-Yeul Bae
- 8:15 AM **Capacity Limits for Perception of Face Gender and Inversion**
Samantha C. Lee & Lars Strother
- 8:30 AM **Perceptual Representations of Uncertainty Are Complex but Not Fully Probabilistic**
Andrew J. Lee, Daniel Turek, & Ömer D. Tanrikulu
- 8:45 AM **Forging a Head: How External Visual Elements influence the Perception of a Shape's Facing Direction**
Jiangxue Valentina Ning & Benjamin van Buren

TALK SESSION 2 9:15 - 10:15 AM

- 9:15 AM **Slow and Steady: Conscientious Individuals May Prioritize Accuracy Over Speed in Visual Attention Tasks**
Justin N. Grady, Patrick H. Cox, Samoni Nag, Emma M. Siritzky, & Stephen R. Mitroff
- 9:30 AM **Agency-based Attentional Selection Histories Guide Visual Search**
Adam C. Vilanova-Goldstein & James R. Brockmole
- 9:45 AM **Encounters With Semantic Violations Do Not Interfere With Immediately Subsequent Scene-viewing Behavior**
Alan Z. Lu & John M. Henderson
- 10:00 AM **When Detecting a Salient Target Makes Search More Effortful**
David S. Lee, Andrew Clement, & Brian A. Anderson

TALK SESSION 3 1:30 - 2:30 PM

- 1:30 PM **Saccade Target Status Influences the Reference Frame of Object-Location Binding**
Tzu-Yao Chiu & Julie D. Golomb
- 1:45 PM **Mixing and Mingling: Inter-item Competition in Visual Working Memory is Both Feature-general and Feature-specific**
Janna W. Wennberg & John T. Serences
- 2:00 PM **EEG Activity Reveals a Common Content-independent Pointer System for Auditory and Visual Working Memory**
Darius Suplica, Gisella Diaz, Henry Jones, William Thyer, John Veillette, Howard Nusbaum, & Edward Awh
- 2:15 PM **Temporal Grouping in Visual Working Memory Allows Better Access but at a Cost of Confusability**
Joyce Tam & Brad Wyble

TALK SESSION 4 2:45 - 3:45 PM

- 2:45 PM **The Role of Sensory Activation in the Guidance of Attention by Visual Working Memory**
Zexuan Niu & Andrew Hollingworth
- 3:00 PM **Interactions Between Visual Working Memory and Face Perception**
Sanika Paranjape, Sarah Shomstein, & Dwight J. Kravitz
- 3:15 PM **What Can 9 Million Trials Tell Us About Memorability and Rejectability of Items in an Online Game?**
Dyllan Simpson, Jeremy Wolfe, & Anna Kosovicheva
- 3:30 PM **Drawings Reveal Changes in Object, but Not Spatial, Memory Across Time**
Emma Megla, Samuel R. Rosenthal, & Wilma A. Bainbridge



POSTER SESSION 1

10:30 - 11:30 AM

- 01 **Testing Individual Differences in the Preparation Effect**
Roy Shoval, Koby Lindzen, & Tal Makovski
- 02 **Covert Attention Modulates Visual Speech Perception Independent of Eye Position**
Kelly E. McEvoy, Kira Wegner-Clemens, Lynne E. Bernstein, & Sarah Shomstein
- 03 **What Counts as “Travel Time” in a Foraging Task?**
Injae Hong, Ava Mitra, Nathan Trinkl, Grace Yan, & Jeremy Wolfe
- 04 **RefCOCO-Gaze: A Large-Scale Gaze Dataset for an Object Referral Task**
Seoyoung Ahn, Ritik Raine, & Gregory Zelinsky
- 05 **Effort-Driven Attentional Capture**
Molly R. McKinney, David S. Lee, & Brian A. Anderson
- 06 **Spatial Frame of Reference for Inhibition of Return in Three-Dimensional Space**
Noah Britt & Hong-jin Sun
- 07 **It’s All About Me! Attentional Prioritization of Self-Rewarding Information**
Rebecca N. Warren, Andrew Clement, & Brian A. Anderson
- 08 **Meaningful or Familiar? The Role of High-level Features in Inattentional Blindness**
Yifan Ding, Daniel J. Simons, Connor Hulst, Rishi Raja, & Alexis Lee
- 09 **Occlusion, Stimuli Type, and Target-to-Distractor Layer Effects in Visual Search for Real-World Objects**
Rachel T.T. Nguyen & Matthew S. Peterson
- 10 **The Influence of Display Complexity on Target Prevalence and Decision Making During Visual Search**
Brandon Eich & Melissa R. Beck
- 11 **Controlling for Spatial Envelope Does Not Affect Emotion-induced Blindness With Textual Stimuli**
Lindsay A. Santacrose & Benjamin J. Tamber-Rosenau
- 12 **Risk Preferences in Attention and Decision-Making**
Nusrat Jahan, Laurent Gregoire, Edgar Bailon, James C. Spencer, & Bran A. Anderson
- 13 **Affective Priming of Attentional Scope: Feelings, Forests, Trees**
Rebeka C. Almasi & Myeong-Ho Sohn
- 14 **How Do Expert Musicians Deal With Local Complexity in a Sight-reading Task?**
Joris Perra, Bénédicte Poulin-Charronnat, Thierry Baccino, Patrick Bard, Philippe Pfister, Philippe Lalitte, Mélissa Zerbib, & Véronique Drai-Zerbib
- 15 **An Exploration of Perceptual Training Methods for Improving Medical Image Perception Part 1: Training Sessions**
Emily Stutesman, Janelle Hernandez, Rebecca Penn, Megan Papesh, & Michael C. Hout
- 16 **An Exploration of Perceptual Training Methods for Improving Medical Image Perception Part 2: Retention and Transfer**
Janelle Hernandez, Michael C. Hout, Megan Papesh, Emily E. Stutesman, & Rebecca Penn
- 17 **Cross-Task Congruency Sequence Effect between Gaze- and Location-Based Simon Tasks**
Chaewon Lee & Yang Seok Cho



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- 18 **Effect of Notification Type on Sustained Attention Performance**
Kathryn V. Nason & Jonathan Wilbiks
- 19 **Effects of Learned Spatial Probability Are Suspended, but Not Eliminated, During Parallel Search**
Ryan S. Williams, Jay Pratt, & Susanne Ferber
- 20 **Easy Listening or Driving Distraction? The Relationship between Audiobook Difficulty Level and Driving Performance on Simple Routes**
Jessica M. Kespe, Erika Ziraldo, & Lana Trick
- 21 **High-level Conceptual Associations Between Objects Beyond Visual Co-occurrence Statistics Matter for Gaze Guidance in Scenes**
Alexandra Theodorou & John M. Henderson
- 22 **Mechanisms of Cognitive Control and Distractor Suppression in Heavy Drinkers**
Sojung Youn & Brian A. Anderson
- 23 **Learned Distractor Rejection: Robust, Rapid, and Hard to Measure**
Isaac Savelson & Andrew B. Leber
- 24 **A Compendium of Considerations in Motion-Induced Blindness Research**
Vishnu Soni, John Sparrow, & Joseph Planchet
- 25 **Individual Differences in Patch Leaving Strategy are Guided by a Drive Toward Optimization**
Mackenzie J. Siesel, Walden Y. Li, & Andrew B. Leber
- 26 **Examining the Impact of Acetaminophen on Early Attentional Processing of Emotional Images**
Felicity R. Woodson, Ming-Ray Liao, & Brian A. Anderson
- 27 **Learned Attentional Flexibility and Spontaneous Fluctuations in Sustained Attention Modulate Pupil Size**
Austin L. Torain & Anthony W. Sali
- 28 **Identifying Task Components Contributing to Attentional Control Strategy Choice**
Tianyu Zhang & Andrew B. Leber
- 29 **"Attentional Transplants" Cause Recipients to Like Images More Similarly to Donors: Evidence for Inter-observer Commonalities in How Attention Drives Preferences**
Hong B. Nguyen & Benjamin van Buren
- 30 **Contextual Modulation of Perceptual Fluency and Cognitive Control**
Emma Wiedenmann, Rebeka C. Almasi, Sarah Malykke, Sowon Hahn, & Myeong-Ho Sohn
- 31 **Do Eye Movements Account for Latent Attentional Capture by Abrupt Onsets?**
Rachel A. Eng, Samantha Joubran, & Naseem Al-Aidroos
- 32 **Allocation of Spatial Attention in Human Visual Cortex as a Function of Endogenous Cue Validity**
William Narhi-Martinez, Yong-Min Choi, Blaire Dube, & Julie D. Golomb
- 33 **How Malleable Are Your Judgments? The Effect of Subliminal Priming on Similarity Judgments**
Anna K. Lawrance, James W. Tanaka, Amy E. vanWell
- 34 **Increased Cognitive Effort Leads to More Positive Moods: The Successful Performance & Task Difficulty Hypotheses**
Lily Reck, Rebeka Almasi, Sarah Malykke, & Myeong-Ho Sohn
- 35 **Characterizing Exposure History Effects on Visual Search Performance Using Big Data**
Chloe Callahan-Flintoft, Patrick H. Cox, Dwight J. Kravitz, Emma M. Siritzky, Stephen R. Mitroff, & Kelvin S. Oie



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POSTER SESSION 2

12:15 - 1:15 PM

- 36 **Number Perception in Humans Versus Machines: Investigating the Origins of the Approximate Number System**
Miranda N. Long & Darko Odic
- 37 **Working Memory Modulates the Time-course of the Parafoveal Processing in Skilled Reading**
Anastasia A. Stoops & Kiel Christianson
- 38 **LA Balancing Act: Do Balance Abilities Contribute to the Body-Tilt Illusion?**
Sophia R. Baia & Michael K. McBeath
- 39 **Tracking Through Rotation is Deficient: A Prediction of the Composite Object Representation Hypothesis**
Qihan Wu & Jonathan Flombaum
- 40 **Travel Time Estimation Depends on Distance, Mode of Travel, Temporal Discounting Tendency**
Meiyu (Melrose) Pan & Eve Isham
- 41 **Investigating the Effects of Valence and Arousal on the Boundary Extension/constriction Phenomenon**
Ava E. Axelrod & Lindsay A. Houck
- 42 **Examining Individual Differences in Perceptual Versus Conceptual Representations Using PsiZ**
Eric Y. Mah & James W. Tanaka
- 43 **Cortical Magnification, Not Summary Statistics, Explains Information Loss in Peripheral Vision**
Rachel F. Heaton, John E. Hummel, Alejandro Lleras, & Simona Buetti
- 44 **Insights From Eye Blinks Into the Cognitive Processes Involved in Visual Word Recognition**
Ronen Hershman, David Share, Elisabeth Weiss, Avishai Henik, Adi Shechter
- 45 **The Rocksim Database: Multidimensional Scaling Analyses of Similarity Ratings for 30 Categories of Rocks**
Bryan L. White, Eben Daggett, & Michael C. Hout
- 46 **A Change Localization Benefit for Mixed Arrays Compared to Uniform Arrays**
Temilade Adekoya, Chong Zhao, Edward Awh, & Edward Vogel
- 47 **Workload Processing Efficiency for Identification of Distractors Within Words**
Sarah Sinclair-Amend, Joseph Houpt, & Valerie Shalin
- 48 **Information Presentation Congruence: Physiological and Subjective Comparisons of Social Media Content's Effect on Recall.**
Zoe Loh, Helia Hosseinpour, Lace Padilla, & Spencer C. Castro
- 49 **Independent Effects of Valence and Memorability on Visual Statistical Learning**
Meital Friedmann-Oskar, Tomer Sahar, Tal Makovski, & Hadas Okon
- 50 **Subjective Frequency Estimates Are Unrelated to How Easy It is to Hold a Representation in Memory, but Tell You How Distracting a Lure Object is**
Chong Zhao, Keisuke Fukuda, & Geoffrey Woodman
- 51 **Visual Working Memory Capacity Affects the Effectiveness of Order Retro-cues**
Ting Guo, Qi Li, Jiajia Yang, Satoshi Takahashi, Ejima Yoshimichi, & Jinglong Wu
- 52 **Investigating the Influence of Affective States on Memory Retrieval: a Potential Link to Depression**
Yutong Zhu



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- 53 **Tracking the Effect of Associative Learning on Visual Working Memory With Multivariate Decoding**
William X. Ngiam, William Thyer, Will S. Epstein, Henry M. Jones, & Edward Awh
- 54 **Visual Working Memory Representations Show an Oblique Effect Even Under Modulation of Parietal Cortex With Anodal Transcranial Direct Current Stimulation** Harun Yörük & Benjamin J. Tamber-Rosenau
- 55 **Feature or Memory: Influences on Visual Search In Varying Levels of Clutter**
David A. Tomshe, Melissa R. Beck, & Amanda van Lamsweerde
- 56 **Discovery of Optimal Strategies in Visual Working Memory**
Yin-ting Lin & Andrew B. Leber
- 57 **Working Memory Interference Does Not Impair Moral Decision-making**
Jiaxuan Teng, Shuo Yang, Athena Montgomery, & Eve Isham
- 58 **Extrinsic Motivation's Influence on Memory Performance in Online VS In-person Recall Tasks**
Xavier Canas, Zoe Loh, & Spencer Castro
- 59 **An Exploration of the Relationship Between Reward and Working Memory Encoding**
Niya Yan & Brian A. Anderson
- 60 **Volitional Multitasking: When Do We Pause the Video?**
Alejandra Zuniga, Laila Al Jaburi, Tracy Dillon, Amanda Quan-Kramer, Sid Valenciano, & Alexandra B. Morrison
- 61 **The Mood-Congruency Effect of Complex Emotions: Investigating the Role of Patriotism**
HongSheng Lin & Matia Okubo
- 62 **Investigating the Limits of Visual Working Memory Flexibility**
Greer Gillies, Motonori Yamaguchi, Heinrich Liesefeld, Jonathan S. Cant, & Keisuke Fukuda
- 63 **Swap Errors Drive Individual Differences in Visual Working Memory Capacity Estimates**
Olga Kozlova, Kirsten C. Adam, & Keisuke Fukuda
- 64 **Children Show Adult-like Memory Patterns to Scene Images by the Age of Four**
Xiaohan (Hannah) Guo & Wilma A. Bainbridge
- 65 **Cue Context and Working Memory Load Affect Within-Run Slowing in a Multiple Probes AX-CPT Paradigm**
Theresa G. Mowad & Catherine M. Arrington
- 66 **Memory for Arbitrary Sentence Details is Worse for Abstract Than Concrete Concepts**
Charles P. Davis & Eiling Yee
- 67 **The Strength of Visual Working Memory Degrades With Age**
Shira Tkacz-Domb, Sarah Shomstein, & Dwight Kravitz
- 68 **How Does Spatial Updating in VWM Impact Feature Processing?**
Eva Lout, William Narhi-Martinez, Blaire Dube, & Julie D. Golomb
- 69 **Improved Memory or Decreased Forgetting? Magnitude of Generation Effect Increases With Short Delay in Verbal Recall Test**
Michaela Ritchie & Jonathan Wilbiks

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KEYNOTE ADDRESS

4:00 - 4:55 PM

Dr. James Brockmole Professor of Psychology, University of Notre Dame



CLOSING REMARKS

4:55 - 5:00 PM

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Visual Cognition Best Talk and Best Poster Award Winners
Raffle Winners for Gorilla Subscription Package

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