Curriculum Vitae

Chad Dubé
Department of Psychology, PCD4118G
University of South Florida
4202 East Fowler Ave
Tampa, FL 33620-7200
Email: chaddube@usf.edu
Phone: (813) 974-5912

Education

Ph.D., Cognitive Psychology, University of Massachusetts, Amherst (2011)
Dissertation: Binary ROCs and their implications for the measurement of memory Advisor: Caren Rotello
M.S., Cognitive Psychology, University of Massachusetts, Amherst (2009)
Thesis: Dual-process theory and syllogistic reasoning: A signal detection analysis Advisor: Caren Rotello
B.S., Psychology, Eastern Michigan University (2006) Advisor: Dennis Delprato

Positions

Associate Professor, University of South Florida, August 2019 - Present
Assistant Professor, University of South Florida. August 2013 – August 2019
Post-Doctoral Research Fellow, Volen Center for Complex Systems, Brandeis University Sponsor: Robert Sekuler. July 2011 - August 2013
Adjunct Professor, Babson College. September 2012 - May 2013

Research Areas and Interests

- Recognition memory
- Alpha oscillations in attention and memory
- Signal Detection Theory and ROC analysis
- Visual short-term memory and visual perception
- Deductive reasoning and decision-making

Publications

Annotation:

[FS]Accepted on first submission
[GA]Graduate student author
[UA]Undergraduate student author

Dubé, C., & Malmberg, K. (under review). A convergence of theories of mind and brain.

Zepp, J., & **Dubé, C.** (under review). The perceptual average in visual short-term memory: Neither perceptual nor an average.

Dubé, C. (under review). An information-theoretic approach to the retrieving effectively from memory (REM) model: Statistical information in short-term memory. *Memory and Cognition*.

Aldegheri, G., **Dubé, C.**, & Melcher, D. (under review) The sampling rate of face processing as measured by the flashed face distortion illusion.

Dubé, C., & Rotello, C.M. (2023). Signal detection theories of recognition memory. To appear in Mickes, L. et al. (Eds.), *Learning and memory: A comprehensive reference* (3rd ed., pp xx-yy). Elsevier.

Dubé, C. (2023). ROC measures of memory accessibility. *Quarterly Journal of Experimental Psychology, 76*(4), 881-887.

McHale, J. P., Stover, C., **Dubé, C.**, Sirotkin, Y., Lewis, S., & McKay, K. (2023). Randomized controlled trial of a prenatal focused coparenting consultation for unmarried black fathers and mothers: One-year infant and family outcomes. *Infant Mental Health Journal, 44*(1), 27-42.

GATong, K., **Dubé, C.** (2022). Modeling mean estimation tasks in within-trial and across-trial contexts. *Attention, Perception, and Psychophysics*, 84, pages 2384–2407.

GATong, K., **Dubé, C.** (2022). A tale of two literatures: A fidelity-based integration account of central tendency bias and serial dependency. *Computational Brain and Behavior,* 5, 103-123.

McHale, J.P., Stover, C., **Dubé, C.**, Sirotkin, Y., Lewis, S., McKay, K. (2022). A culturally grounded prenatal coparenting intervention: Results of a randomized controlled trial with unmarried black parents. *Journal of Family Psychology, 36*(4), 479–489.

GALowry, M., **Dubé, C.**, & Schotter, E. (2021). Evaluating theories of bilingual language control using computational models. *Journal of Memory and Language*. 117, 104-195.

GAZepp, J., **Dubé, C.**, & Melcher, D. (2021). A direct comparison of central tendency recall and temporal integration in the successive field iconic memory task. *Attention, Perception, and Psychophysics*, 83(3), 1337-1356.

Bayazi, M.J.D., Nasrabadi, A.M., & **Dubé, C.** (2021). Frequency specific network effective connectivity: ERP analysis of recognition memory process by directed connectivity estimators. *Medical and Biological Engineering and Computing*, 59(3), 575-588.

Dubé, C. (2019). Central tendency representation and exemplar matching in visual short-term memory. *Special Issue to Commemorate the 50th Anniversary of Atkinson and Shiffrin, Memory and Cognition*, 47, 598-602.

GATong, K., **Dubé, C.**, & Sekuler, R. (2019). What makes a prototype a prototype? Averaging visual features in a sequence. *Attention, Perception, and Psychophysics*, 81, 1962-1978.

Dubé, C., GATong, K.,GAWestfall, H., & UABauer, E. (2019). Ensemble coding of memory strength in recognition tests. *Memory and Cognition*, 47, 936-953.

GAMartin, J., **Dubé, C.**, & Coovert, M. (2018). Evaluation of the effectiveness of signal detection theory parameters for measuring cyber-security behaviors. *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 60(8), 1179-1191.

Trippas, D., Kellen, D., Singmann, H., Pennycook, G., Koehler, D.J., Fugelsang, J.A., & **Dubé, C.** (2018). Characterizing belief bias in syllogistic reasoning: A hierarchical-Bayesian meta-analysis of ROC data. *Psychonomic Bulletin and Review*. Advanced Online Publication.

Starns, J.J., **Dubé, C.**, & Frelinger, M. (2018). The speed of memory errors shows the influence of misleading information: Testing the diffusion and two-high-threshold models.

Cognitive Psychology, 102, 21-40.

[GA]Annis, J., **Dubé, C.**, & Malmberg, K.J. (2016). A Bayesian approach to discriminating between biased responding and sequential dependencies in binary choice data. *Decision*, Advanced Online Publication.

[FS]Kellen, D., Erdfelder, E., Malmberg, K.J., **Dubé, C.**, & Criss, A.H. (2016). The ignored alternative: An application of Luce's low-threshold model to recognition memory. *Journal of Mathematical Psychology*, 75, 86-95.

Dubé, C., & Sekuler, R. (2015). Obligatory and adaptive averaging in visual short-term memory. *Journal of Vision*, 15, 1-13.

Rotello, C.M., Heit, E., & **Dubé, C.** (2015). When more data steer us wrong: Replications with the wrong dependent measure perpetuate erroneous conclusions. *Psychonomic Bulletin and Review*, 22, 944-954.

Cassidy, B.S., **Dubé, C.**, & Gutchess, A.H. (2015). Social influences on adaptive criterion learning. *Memory and Cognition*, 43, 695-708.

[GA]Kiselica, A.M., Rojas, E., Bornovalova, M.A., & **Dubé, C.** (2015). Nomological network and predictive utility of distress tolerance. *Assessment*, 1-15.

Dubé, C., Zhou, F., Kahana, M.J., & Sekuler, R. (2014). Similarity-based distortion of visual short-term memory is due to perceptual averaging. *Vision Research*, 96, 8-16.

Dubé, C., Payne, L., Sekuler, R., & Rotello, C.M. (2013). Paying attention to attention in recognition memory: Insights from models and electrophysiology. *Psychological Science*, 24, 2398-2408.

[FS]**Dubé, C.**, Rotello, C.M., & Pazzaglia, A. (2013). The statistical accuracy and theoretical status of discrete-state MPT models: Reply to Batchelder and Alexander (2013). *Psychological Bulletin*, 139, 1213-1220.

Pazzaglia, A., **Dubé, C.**, & Rotello, C.M. (2013). A critical comparison of discrete-state and continuous models of recognition memory: Implications for recognition and beyond. *Psychological Bulletin*, 139, 1173-1203.

Zanto, T., Sekuler, R., **Dubé, C.**, & Gazzaley, A. (2013). Age-related changes in expectation based modulation of motion detectability. *PLoS One*, 8: e69766.

Dubé, C., Starns, J.J., Rotello, C.M., & Ratcliff, R. (2012). Beyond ROC curvature: Strength effects and response time data support continuous-evidence models of recognition memory. *Journal of Memory and Language*, 67, 389-406.

Dubé, C., & Rotello, C.M. (2012). Binary ROCs in perception and recognition memory are curved. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38(1), 130-151.

Dubé, C., Rotello, C.M., & Heit, E. (2011). The belief bias effect is aptly named: A reply to Klauer and Kellen (in press). *Psychological Review*, 118(1), 115-163.

Clifton, C., Jr., & **Dubé, C.** (2010). Embedded implicatures observed: A comment on Geurts and Pouscoulous (2009). *Semantics and Pragmatics*, 3, Article 7:1-13.

Dubé, C., Rotello, C. M., & Heit, E. (2010). Assessing the belief bias effect with ROCs: It's a response bias effect. *Psychological Review*, 117(3), 831-863.

Grant Activity As PI:

"Capacity limits of human visual processing of moving-element stimulus displays." SOCOM J59. (PI; ~100k, not funded). Submitted 9/23/2021

"Understanding and controlling the prevalence effect in visual search: New insights from mathematical models and eyetracking." NIH R21. (PI; Resubmission; ~270K, not funded). Submitted 7/31/2018.

"Ensemble representation and exemplar matching in memory and categorization." NSF. (PI;$482,985; not funded). Submitted 7/26/2018.

"Understanding and controlling the prevalence effect in visual search: New insights from mathematical models and eyetracking." NIH R21. (PI; ~270K, not funded). Scores: Impact 46, percentile (% above this) 39%. Submitted 9/26/2017.

"The role of summary statistical representation in memory retrieval." NSF. (PI; not funded). Scores: Very Good, Fair, Fair. Submitted 7/29/2016.

"A collapse of complexity: Modeling the mind's computations using the brain's statistics." James S. McDonnell Foundation 2016 Complex Systems Scholar Award. (PI; not funded). Scores not provided. Submitted 3/18/2016.

"The role of temporal perceptual averaging in memory retrieval." NSF. (PI; revision; not funded). Scores: Good, Good, Very Good. Submitted 2/01/2016.

"The role of temporal perceptual averaging in memory retrieval." NSF. (PI; ~438K, not funded). Scores: Good/Fair, Good, Good.

"What can brain potentials teach us about memory? Insights from computational models and electroencephalography." USF New Researcher Grant. (PI; 10K; funded 4/13/15).

"Understanding sequential dependencies in perception and memory via computational models of neural and behavioral data." NSF. (Revision; PI; ~645K, not funded). Scores: Fair, Fair, Fair.

"Understanding sequential dependencies in perception and memory via computational models of neural and behavioral data." NSF. (PI; ~645K, not funded). Scores: Fair, Good, Fair, Good.

"Oscillatory dynamics in recognition memory and implications for memory models." NIH, Individual NRSA F32 MH100740-01. (PI; ~162K, not funded).

As Collaborator:

"Acquisition of eye tracking and EEG co-registration equipment." USF Strategic Investment Pool (SIP) Award. (Co-PI; PI: Elizabeth Schotter; $82,505; funded 4/1/2020-3/31/2021). Submitted 01/13/2021.

"Randomized controlled trial of prenatal co-parenting intervention for African American fragile families." NIH. (Statistical Consultant; PI: James McHale, 2.9M, funded 2015-2020).

“Neurocognitive architecture with attention automatization and temporal memory.” NSF/SHF, CAREER. (Co-PI; PI: Sanjukta Bhanja, Electrical Engineering; $499,994; not funded). Submitted 11/15/2018.

“Models of autobiographical memory.” NSF. (Co-I; PI: Ken Malmberg; $732,662; not funded). Submitted 07/31/2018.

Neuropsychological assessment of right mesial temporal lobe function. NINDS. (Co-I; PI: Selim Benbadis, TGH Epilepsy Unit; ~220K; not funded). Scores unavailable. Submitted 2016.

APA Summer Undergraduate Psychology Research Experience Grant. (Co-PI; PI: Elizabeth Schotter; not funded). Scores not provided. Submitted 2/1/2017.

“Formal models of autobiographical memory.” NSF. (Co-I; PI: Ken Malmberg; 1M; not funded). Scores: Very Good, Good, Good, Very Good, Very Good. Submitted July 2017.

“NCS-FO: An integrative model of autobiographical memory.” NSF. (Co-I; PI: Ken Malmberg; not funded). Scores: Fair, Fair. Submitted 2016.

“A source of inefficiencies in human memory and perception.” NSF. (Co-PI; PI: Ken Malmberg; not funded). Scores: Poor, Fair, Fair. Submitted 2015.

“Technology to monitor cognitive states and improve human learning and cognition.” NSF, PIC:BIC. (Co-PI; PI: Ken Malmberg; not funded). Scores: Fair, Fair, Poor, Fair. Submitted 1/27/2014.

“Acquisition of a dual acquisition station dense sensory array EEG/ERP system.” NSF, MRI. (Co-PI; PI: Geoffrey Potts; ~149K, funded 8/8/14).

Other:

Trainee in Applied and Basic Cognition and Development, NIH, T32 MH16745. (funded 9/08-9/09).

Teaching Experience

Assistant and Associate Professor, University of South Florida
- Psychological Statistics (Undergraduate, recurring)
- Cognitive Psychology (Undergraduate, recurring)
- Neurocognitive Modeling (Graduate, Fall 2014)
- Cognitive Psychology (Graduate, recurring)
- Cognitive Modeling (Graduate, recurring)
- Regression and GLMs (Graduate, recurring)

Adjunct Professor, Babson College
- Introduction to Psychology (Fall 2012)
- History and Systems of Psychology (Spring 2013)

Guest Lecturer, Merrimack College
- Cognitive Psychology (Spring 2012)
- Supervisor: Michael Stroud

Discussion Leader, University of Massachusetts

Statistical Inference in Psychology I-II (graduate statistics; Fall 2009-Spring 2011).
Supervisor: Caren M. Rotello

Lab Instructor, University of Massachusetts
Statistics in Psychology (undergraduate statistics; Fall 2006).
Supervisor: Andrew L. Cohen

Lab Instructor, Eastern Michigan University
General Psychology. (Spring 2006).
Supervisor: Dennis Delprato

Student Mentoring and Advising

** indicates APA Dissertation Award Recipient

Undergraduate Honors Thesis Committees:
Emily Bauer (**Chair**; 2015 – 2016).
Keri Erb (Member; Chair: Ken Malmberg; 2014 – 2015).
Alex Sciutto (Member; Chair: Elizabeth Schotter; 4/22/19-12/2/19).
Samruddhi Shinde (Member; Chair: Elizabeth Schotter; 2021).
Victoria Estevez (Member; Chair: Elizabeth Schotter; 2021).

Master's Thesis Committees:
Jaclyn Martin (**Co-Chair**; Major Prof: Michael Coovert; 2015 – 2017)
Stephanie Andel (Member; Major Prof: Paul Spector; 2013 – 2015)
Ena Begovich (Member; Major Prof: Jon Rottenberg; 2014 – 2016)
Maryana Arvan (Member; Major Prof: Paul Spector; 2014 – 2015)
Steven Schultz (Member; Major Prof: Tom Sanocki; 2014 – 2016)
Tanya DeDios (Member; Major Prof: Geoffrey Potts; 2015 – 2016)
Sophy Yu (Member; Major Prof: Emanuel Donchin; 2015 – 2016)
Savannah Dalrymple (Member; Major Prof: David Diamond; 2016)
Kim Johnson (Member; Major Prof: Mike Coovert; 2017).
Daniel Faraci (Member; Major Prof: Mark Goldman; 2018 – 10/19/20)
Sara Milligan (Member; Major Prof: Elizabeth Schotter; 2/19/20 – 5/4/22)
Han Lee (Member; Major Prof: Tom Sanocki; 3/25/20 – 11/6/20)
Kipras Varkalas (Member; Major Prof: Geoffrey Potts; 11/23/21 – 4/28/23)
Anne Olson (Member; Major Prof: Kenneth Malmberg; 11/30/21 – 12/5/22)
Jacob Zepp (**Major Prof**; 5/5/2021 – 12/8/22).
Laramie Starling (**Major Prof**; 9/7/2022 – pres.)
Roger Young (Member; Major Prof: Jennifer Bosson; 10/28/21 – 5/5/2023)
Cassondra Lyman (Member; Major Prof: Jon Rottenberg; 10/27/23 – pres.)

Comprehensive Examination Committees:
Holly Westfall (Member; Major Prof: Ken Malmberg; 2014)
Heather Soder (Member; Major Prof: Geoffrey Potts; 2015 – 2017)
Alaina Talboy (Member; Major Prof: Sandra Schneider; 2016)
Mark Lowry (Member; Major Prof: Judy Bryant; 2016)
Tanya DeDios (Member; Major Prof: Geoffrey Potts; 2017)
Ke Tong (**Major Prof**; 2017-11/22/19)
Sophy Yu (Member; Major Prof: Emanuel Donchin, Geoffrey Potts; 2018-4/15/19)
Han Lee (Member; Major Prof: Tom Sanocki; 11/22/21 – 1/24/22)
Anne Olson (Member; Major Prof: Kenneth Malmberg; 12/5/22 – pres.)
Jacob Zepp (**Major Prof**; 12/8/22 – pres.)

Dissertation Committees:

Jeffrey Annis (Member; Major Prof: Ken Malmberg; 2014)
Adam Ducey (Member; Major Prof: Mike Coovert; 2014 – 2016)
Holly Westfall (Member; Major Prof: Ken Malmberg; 2015)
Patricia Johnson (Member; Major Prof: Cindy Cimino; 2015 – 2017)
Ahmad Manasrah (Member; Major Prof: Kyle Reed, Mech. Eng.; 2015 – 2016)
Yongqiang Huang (Dept. of Comp. Sci. & Eng.; Major Prof: Yu Sun; 2015 – 3/18/19)
Mark Grichanik (Member; Major Prof: Mike Coovert; 2016-2017)
Tiffany Lee (Member; Major Prof: Mike Coovert; 2016)
Patrick Logan (Member; Major Prof: Mark Goldman; Fall 2016-Fall 2017)
Heather Soder (Member; Major Prof: Geoff Potts; Fall 2016-Fall 2017)
Hansapani Rodrigo (Dept. of Mathematics and Statistics; Outside Chair; Major Prof: Christopher Tsokos; Summer 2017)
Carlos Perez (Dept. of Physics; Major Prof: Ghanim Ullah; Fall 2017-11/4/20)
Sujala Maharjan (Brandeis University; Member; Major Prof: Robert Sekuler; Spring 2017-Fall 2017).
Tanya DeDios (Member; Major Prof: Geoffrey Potts; 2017 – 5/30/19)
Mark Lowry (**Co-Major Prof**; Fall 2017-Spring 2019)
Matthew Arborgast (Member; Major Prof: Mike Coovert; 2018)
Alaina Talboy (Member; Major Prof: Sandra Schneider; 2018 - 2019)
Ena Begovich (Member; Major Prof: Jon Rottenberg; 2018 – 6/17/20)
Sophy Yu (Member; Major Prof: Emanuel Donchin, Geoffrey Potts; 2018 – 6/3/20)
Christina Verzijl (Member; Major Prof: Diana Rancourt; 2019 – 5/20/22)
P. Scott Ramsay (Member; Major Prof: Walter Borman; 2018)
Jaclyn Martin (**Co-Major Prof**; Major Prof: Mike Coovert; 2018 – 3/27/19)
Emily Noyes (Member; Major Prof: Robert Schlauch; (5/1/19 – 11/13/20)
Yile Sun (Brandeis University; Member; Major Prof: Robert Sekuler; 7/25/2020 – 9/11/2020).
Ke Tong (Major Prof**; 5/22/20 -10/7/20)
Hilda Carrillo (Dept. of Accounting; Major Prof: Lisa Gaynor; 2019-2020).
Han Lee (Member; Major Prof: Tom Sanocki; 11/22/21 – 5/2/23)
Gregory Rousis (Member; Major Prof: Jennifer Bosson; 2022-pres).
Jacob Zepp (**Major Prof**; 12/8/22 – pres.)
Alok Bhattarai (Dept. of Physics; Major Prof: Ghanim Ullah; 11/28/23-pres.)

Graduate and Undergraduate Student Advising and Collaboration:

Laramie Starling (Psychology; Graduate; Primary Advisor)
Jacob Zepp (Psychology; Graduate; Primary Advisor)
Ke Tong (Psychology; Graduate; Primary Advisor)
Mark Lowry (Psychology; Graduate; Co-Advisor)
Jaclyn Martin (Psychology; Graduate; Co-Advisor)
Vivek Nandur (Information Sciences; Graduate; Mentor/Collaborator)
Sophy Yu (Psychology; Graduate; Mentor/Collaborator)
Benjamin Zobel (Psychology; Umass Amherst Graduate; Collaborator)
Salwa Mansour (Psychology; Undergraduate; Mentor/Collaborator)
Andrew Micciche (Biology; Undergraduate; Mentor/Collaborator)
Laurence Michaels (Psychology, USF St. Pete Undergraduate; Independent Research Mentor)
Charitie Martino (Physics, USF Tampa Undergraduate; Mentor/Collaborator, Fall 2022-pres.)

Departmental and University Service

Psi Chi Faculty Advisor (Fall 2014 – Spring 2017)

Committees:

Tenure and Promotion Committee (Fall 2021, Fall 2022)
Assessment Committee, **Chair** (Fall 2020 – pres.)
Assessment Committee, Member (Fall 2016 – Spring 2019)
USF Library Committee, **Chair** (Fall 2014 – Fall 2015) USF Library Committee, Member (Spring 2016)
Cognitive Psychology Search Committee, Member (Fall 2015)
Statistics FLC (Fall 2016)

Editorial Service

Editorial Board Member
Cognitive Psychology (1/1/2022 – pres.)

Ad Hoc Journal Reviewing:
Proceedings of the National Academy of Sciences
Psychological Review
Psychological Science
Journal of Memory and Language
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Experimental Psychology: Human Perception and Performance
Psychonomic Bulletin and Review
Frontiers in Psychology
Quarterly Journal of Experimental Psychology
Memory
PLoS Computational Biology
Thinking and Reasoning
Attention, Perception, and Psychophysics
Journal of Vision
Canadian Journal of Experimental Psychology
Comparative Cognition and Behavior Reviews
Journal of Experimental Psychology: Applied Cognitive Psychology
Memory and Cognition
Acta Psychologica
Behavior Research Methods
Emotion
Cognition
Perspectives on Psychological Science
Advances in Methods and Practices in Psychological Science

Ad Hoc Grant Reviewing:
NSF Perception, Action, and Cognition (2015, 2021).
NSF Decision, Risk, and Management Sciences (2015).
NSF-BSF (Binational Science Foundation) (2020).

Ad Hoc Conference Reviewing:
33rd, 34th, and 35th Annual Conference of the Cognitive Science Society.

Professional Affiliations

USF Interdisciplinary Data Sciences Consortium (Member; 2014 – 2019).
Psychonomic Society (Fellow; 2013 – pres.)
Association for Psychological Science (Member; 2013 – 2016)

Vision Sciences Society (Member; 2015 – 2019)
Cognitive Neuroscience Society (Member; 2015 – 2016)

Undergraduate Symposia and Presentations:

[UA]Mansour, S., [GA]Westfall, H., & Dubé, C. (2015, May). ROC curves in recognition memory: An empirical investigation of the relationships between response bias, sequential dependencies, and changes in zROC slopes. Poster presented by Salwa Mansour at the *Stanford Undergraduate Psychology Conference*, Stanford, CA.

[UA]Mansour, S., [GA]Westfall, H., & Dubé, C. (2015, April). ROC curves in recognition memory: An empirical investigation of the relationships between response bias, sequential dependencies, and changes in zROC slopes. Paper presented by Salwa Mansour at the 2015 *USF Undergraduate Research and Arts Colloquium*.

*This presentation by Salwa was rated in the Top 5% for 14/16 merit criteria and the remaining 2 criteria were rated in the Top 25%.

Professional Presentations:

[GA]Zepp, J., **& Dubé, C.** (2023, November). A model of feature encoding in ensemble representation. Poster presentation by Jacob Zepp at the *64th Annual Meeting of the Psychonomic Society*, San Francisco, CA.

[GA]Zepp, J., **Dubé, C.** (2023, June). A transfer account of orientation ensemble averaging. Poster presentation by Jacob Zepp at the 2023 *Annual Meeting of the Vision Sciences Society,* St. Pete Beach, FL.

[GA]Starling, L., & **Dubé, C.** (2023, June). Attentional differences predict ensemble coding and are moderated by probe effects. Poster presentation by Laramie Starling at the 2023 *Annual Meeting of the Vision Sciences Society,* St. Pete Beach, FL.

Dubé, C. (2022, November). An application of statistical information theory to understand elements of STM in the Atkinson-Shiffrin framework. Poster presentation by Chad Dubé at the *63rd Annual Meeting of the Psychonomic Society*, Boston, MA.

[GA]Zepp, J., **& Dubé, C.** (2022, November). Temporal and informational limits of orientation ensemble averaging. Poster presentation by Jacob Zepp at the *63rd Annual Meeting of the Psychonomic Society*, Boston, MA.

[GA]Starling, L., **& Dubé, C.** (2022, November). Individual differences in attention to predict ensemble coding performance. Poster presentation by Laramie Starling at the *63rd Annual Meeting of the Psychonomic Society*, Boston, MA.

[GA]Zepp, J., **Dubé, C.** (2022, June). Temporal and spatial properties of orientation summary statistic representations. Poster presentation by Jacob Zepp at the 2022 *Annual Meeting of the Vision Sciences Society,* St. Pete Beach, FL.

[GA]Lowry, M., **Dubé, C.**, & Schotter, E. (2020, November). Language switching abolishes semantic priming in bilingual picture naming. Poster presentation by Mark Lowry at the *61st Annual Meeting of the Psychonomic Society (First Virtual Meeting)*.

[GA]Zepp, J., **Dubé, C.**, & Melcher, D. (2020, June). Rapid ensemble averaging of orientation without individual item encoding. Poster presentation by Jacob Zepp at the 2020 *Annual Meeting of the Vision Sciences Society (First Virtual Meeting)*.

Dubé, C. (2019, November). Models of visual short-term memory should include memory for prototypes. Spoken presentation at the *60th Annual Meeting of the Psychonomic Society.* Montréal, Québec, CAN.

[GA]Tong, K., & **Dubé, C.** (2018, November). Item integration in simultaneous and sequential averaging tasks. Poster presentation by Ke Tong at the *59th Annual Meeting of the Psychonomic Society.* New Orleans, LA.

Melcher, D., Aldegheri, G., & **Dubé, C.** (2018, August). The sampling rate of face processing as measured by the face distortion illusion. Spoken presentation by David Melcher at the *41st European Conference on Visual Perception.*

[GA]Tong, K., & **Dubé, C.** (2018, May). Implicit ensemble bias in feature recall. Poster presentation by Ke Tong at the 2018 *Annual Meeting of the Vision Sciences Society,* St. Pete Beach, FL.

[GA]Tong, K., [GA]Yu, X., **Dubé, C.**, & Donchin, E. (2018, June). Evaluating different latency variability correction methods using P300 in oddball paradigms. Poster presentation by Sophy Yu at the *Annual Meeting of the Organization for Human Brain Mapping.* Singapore.

[GA]Martin, J., **Dubé, C.**, & Coovert, M.D. (2018, May). Something looks phishy here: Applications of signal detection theory to cyber-security behaviors in the workplace. Poster presentation at the *30th Annual Meeting of the Association for Psychological Science*. San Francisco, CA.

[GA]Tong, K. & **Dubé, C.** (2017, November). Prototype estimation as a weighted average: Critiques and development of weight estimation methods for statistical representation of sequentially-presented stimuli. Poster presented at the *58th Annual Meeting of the Psychonomic Society.* Vancouver, BC, CAN.

Starns, J.J., **Dubé, C.**, & Frelinger, M. (2017, November). The speed of memory errors shows the influence of misleading information. Paper presented at the *58th Annual Meeting of the Psychonomic Society.* Vancouver, BC, CAN.

Dubé, C. (2017, April). A normalized Poisson model for recognition memory. Presentation at the *USF Interdisciplinary Data Sciences Consortium*.

Dubé, C., Westfall, H., & Bauer, E. (2016, November). Summary statistical representation in long-term recognition memory. Paper presented at the *57th Annual Meeting of the Psychonomic Society.* Boston, MA.

[GA]Tong, K., **Dubé, C.**, & Sekuler, R. (2016, May). How many trials contribute to statistical representation over time? Poster presentation at the 2016 *Annual Meeting of the Vision Sciences Society*. St. Pete Beach, FL.

[GA]Yu, X., **Dubé, C.**, [UA]Roque, J., & Donchin, E. (2016, April). The impact of latency jitter on the use of P300 in the assessment of cognitive function. Poster presentation at the 2016 *Annual Meeting of the Cognitive Neuroscience Society.* New York, NY.

[GA]Nandur, V., **Dubé, C.**, & Potts, G.F. (2015, April). Oscillatory correlates of belief bias in deductive reasoning. Poster presentation at the 2016 *Annual Meeting of the Cognitive Neuroscience Society.* New York, NY.

Kellen, D., Erdfelder, E., Malmberg, K.J., **Dubé, C.**, & Criss, A.H. (2015, November). The ignored alternative: An application of Luce's low-threshold model to recognition memory. Paper presented at the symposium Computational Approaches to Cognition (Host: *Society for Mathematical Psychology*), in conjunction with the *56th Annual Meeting of the Psychonomic Society.* Chicago, IL.

Malmberg, K.J., [GA]Annis, J., **Dubé, C.**, & [UA]Erb, K. (2015, November). Reductions in sequential dependencies in recognition memory testing. Poster presented at the *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

[GA]Annis, J., **Dubé, C.**, & Malmberg, K.J. (2015, November). A Bayesian approach to discriminating between biased responding and sequential dependencies in binary choice data. Poster presented at the *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

Rotello, C.M., Heit, E., & **Dubé, C.** (2015, November). Replications with the wrong dependent measure perpetuate erroneous conclusions. Paper presented at the *56th Annual Meeting of the Psychonomic Society*. Chicago, IL.

[GA]Zobel, B.H., **Dubé, C.**, Sanders, L.D., & Rotello, C.M. (2014, November). A neurobehavioral test of discrete-state and continuous recognition memory models. Poster presented at the *55th Annual Meeting of the Psychonomic Society.* Long Beach, CA.

Dube, C., Payne, L., Sekuler, R., & Rotello, C.M. (2013, November). Continuous recollection without unitization or familiarity. Poster presented at the *54th Annual Meeting of the Psychonomic Society.* Toronto.

Payne, L., **Dube, C.**, & Sekuler, R. (2013, November). Attention-modulated alpha-band oscillations protect against memory encoding of irrelevant visual and auditory stimuli. Poster presented at the annual meeting of the *Society for Neuroscience.* San Diego, CA.

Zanto, T., Sekuler, R., **Dube, C.,** & Gazzaley, A. (2012, June) Age-related changes in expectation-based modulation of motion detectability. Poster presented at the annual meeting of the *Organization for Human Brain Mapping*, Beijing.

Dube, **C.**, & Sekuler, R. (2012, May). On the nature of prototype effects in visual working memory for motion. Poster presented at the annual meeting of the *Vision Sciences Society*, Naples FL.

Dube, C., Starns, J.J., Rotello, C.M., & Ratcliff, R. (2011, November). Binary ROCs in recognition memory: Signal detection, multinomial processing tree, and diffusion models. Poster presented at the *52nd Annual Meeting of the Psychonomic Society*. Seattle, WA.

Dube, C., & Rotello, C. M. (2010, November). Binary and rating ROCs in perception, reasoning, and memory are curved. Paper presented at the *51st Annual Meeting of the Psychonomic Society*. St. Louis, MO.

Dube, C., Rotello, C. M., & Heit, E. (2009, November). Assessing the belief bias effect with ROCs: It's a response bias effect. Paper presented at the *50th Annual Meeting of the Psychonomic Society*. Boston, MA.

Invited Talks

USF Interdisciplinary Data Sciences Consortium, April 7, 2017.
University of Massachusetts, Amherst, Feb., 2008; Oct. 28, 2009; Sept. 22, 2010, Oct. 14, 2020.
University of California, Merced, April, 2009.
Volen Center for Complex Systems, Brandeis University, Sept. 26, 2011.

Merrimack College, Nov. 14, 2011.
University of South Florida, Jan. 18, 2013.