

Nash Unsworth

Curriculum Vitae—March 2017

Personal Information

Department of Psychology

University of Oregon

Eugene, OR 97403

Email: nashu@uoregon.edu

Education

Ph.D., 2006 Georgia Institute of Technology, Atlanta, Georgia

Cognitive and Brain Sciences/Experimental Psychology

Minor: Quantitative

M.S., 2003 Georgia Institute of Technology, Atlanta, Georgia

Cognitive and Brain Sciences/Experimental Psychology

B.S., 2001 Idaho State University, Pocatello, Idaho

Major: Psychology

Minor: Sociology

Positions

2012-present Associate Professor, University of Oregon

2009-2012 Assistant Professor, University of Oregon

2006-2010 Assistant Professor, University of Georgia

2006 Instructor, Emory University

2004-2006 Graduate Student Instructor, Georgia Institute of Technology

Publications (in reverse chronological order; * denotes papers co-authored with my graduate students)

Peer-Reviewed Publications

84. *Robison, M. K., & Unsworth, N. (in press). Individual differences in working memory capacity predict learned control over attentional capture. *Journal of Experimental Psychology: Human Perception and Performance*.
83. Redick, T.R., Unsworth, N., Kane, M.J., & Hambrick, D.Z. (in press). Don't Shoot the Messenger: Still No Evidence that Videogame Experience is Related to Cognitive Abilities – A Reply to Green et al. (2016). *Psychological Science*.
82. *Unsworth, N., & Robison, M.K. (in press). Pupillary correlates of covert shifts of attention during working memory maintenance. *Attention, Perception, & Psychophysics*.
81. *Unsworth, N., & Robison, M.K. (in press). A Locus Coeruleus-Norepinephrine account of individual differences in working memory capacity and attention control. *Psychonomic Bulletin & Review*.
80. *Robison, M.K., & Unsworth, N. (2017). Working memory capacity, strategic allocation of study time, and value-directed remembering. *Journal of Memory and Language, 93, 231-244*.
79. Unsworth, N. (2017). Examining the dynamics of strategic search from long-term memory. *Journal of Memory and Language, 93, 135-153*.
78. Redick, T. S., Shipstead, Z., Meier, M. E., Montroy, J. J., Hicks, K. L., Unsworth, N., Kane, M. J., Hambrick, D. Z., & Engle, R. W. (2016). Cognitive predictors of a common multitasking ability: Contributions from working memory, attention

- control, and fluid intelligence. *Journal of Experimental Psychology: General*, *145*, 1473-1492.
77. *Robison, M. K., & Unsworth, N. (2017). Individual differences in working memory capacity and resistance to belief bias in syllogistic reasoning. *The Quarterly Journal of Experimental Psychology*, *70*, 1471-1484.
76. Spera, E., Migliore, M., Unsworth, N., & Tegolo, D. (2016). On the cellular mechanisms underlying working memory capacity in humans. *Neural Network World*, 335-350.
75. *Unsworth, N. & Robison, M.K. (2016). Pupillary correlates of lapses of sustained attention. *Cognitive, Affective, Behavioral Neuroscience*, *16*, 601-615.
74. *Robison, M.K. Gath, K.I., & Unsworth, N. (2017). The neurotic wandering mind: An individual differences investigation of neuroticism, mind-wandering, and executive control. *Quarterly Journal of Experimental Psychology*, *70*, 649-663.
73. Schaeffer D.J., Rodrigue A.L., Burton C.R., Pierce J.E., Unsworth N., Clementz B.A., & McDowell J.E. (2016) White matter structural integrity differs between people with schizophrenia and healthy groups as a function of cognitive control. *Schizophrenia Research*, *169*, 62-68.
72. *Robison, M.K. & Unsworth, N. (2016). Do participants differ in their cognitive abilities, task motivation, or personality characteristics as a function of time of participation? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *42*, 897-913.
71. *Unsworth, N., & Robison, M.K. (2016). The influence of lapses of attention on

- working memory capacity. *Memory & Cognition*, 44, 188-196.
70. Unsworth, N. (2016). Working memory capacity and recall from long-term memory: Examining the influences of encoding strategies, study time allocation, search efficiency, and monitoring abilities. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 42, 50-61.
69. *Robison, M.K., & Unsworth, N. (2015). Working memory capacity offers resistance to mind-wandering and external distraction in a context specific manner. *Applied Cognitive Psychology*, 29, 680-690.
68. *Unsworth, N., Redick, T.R., McMillan, B.D., Hambrick, D.Z., Kane, M.J., & Engle, R.W. (2015). Is playing videogames related to cognitive abilities? *Psychological Science*, 26, 759-774.
67. Unsworth, N. (2015). Consistency of attentional control as an important cognitive trait: A latent variable analysis. *Intelligence*, 49, 110-128.
66. Unsworth, N, Fukuda, K., Awh, E., & Vogel, E.K. (2015). Working memory delay activity predicts individual differences in cognitive abilities. *Journal of Cognitive Neuroscience*, 27, 853-865.
65. *Unsworth, N. & Robison, M.K. (2015). Individual differences in the allocation of attention to items in working memory: Evidence from pupillometry. *Psychonomic Bulletin & Review*, 22, 757-765.
64. Unsworth, N. (2015). The Influence of Encoding Manipulations on the Dynamics of Free Recall. *Memory & Cognition*, 43, 60-69.

63. *Unsworth, N., & McMillan, B.D. (2014). Similarities and differences between mind-wandering and external distraction: A latent variable analysis of lapses of attention and their relation to cognitive abilities. *Acta Psychologica, 150*, 14-25.
62. *Unsworth, N., & McMillan, B.D. (2014). Fluctuations in pre-trial attentional state and their influence on goal neglect. *Consciousness and Cognition, 26*, 90-96.
61. Unsworth, N, Fukuda, K., Awh, E., & Vogel, E.K. (2014). Working memory and fluid intelligence: Capacity, attention control, and secondary memory. *Cognitive Psychology, 71*, 1-26.
60. *Unsworth, N., & McMillan, B.D. (2014). Trial-to-trial fluctuations in attentional state and their relation to intelligence. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 40*, 882-891.
59. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2014). Strategic search from long-term memory: An examination of semantic and autobiographical recall. *Memory, 22*, 687-699.
58. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2013). Focusing the search: Proactive and retroactive interference and the dynamics of free recall. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 39*, 1742-1756.
57. *Unsworth, N., McMillan, B.D., Brewer, G.A., & Spillers, G.J. (2013). Individual differences in everyday retrospective memory failures. *Journal of Applied Research in Memory and Cognition, 2*, 7-13.
56. McVay, J.C., Unsworth, N., McMillan, B.D., & Kane, M.J. (2013). Working

- memory capacity does not always support future-oriented mind wandering.
Canadian Journal of Experimental Psychology, 67, 41-50.
55. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2013). Working memory capacity and retrieval from long-term memory: The role of controlled search. *Memory & Cognition*, 41, 242-254.
54. *Unsworth, N., & McMillan, B.D. (2013). Mind wandering and reading comprehension: Examining the roles of working memory capacity, interest, motivation, and topic experience. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39, 832-842.
53. Redick, T. S., Unsworth, N., Kelly, A. J., & Engle, R. W. (2012). Faster, smarter? Working memory capacity and perceptual speed in relation to fluid intelligence. *Journal of Cognitive Psychology*, 24, 844-854.
52. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2012). Working memory capacity and retrieval limitations from long-term memory: An examination of differences in accessibility. *Quarterly Journal of Experimental Psychology*, 65, 2397-2410.
51. Li, Q., Amlung, M.T., Valtcheva, M., Camchong, J., Austin, B.P., Dyckman, K.A., Unsworth, N., Clementz, B.A., & McDowell, J.E. (2012). Evidence from cluster analysis for differentiation of antisaccade performance groups based on speed/accuracy trade-offs. *International Journal of Psychophysiology*, 85, 274-277.
50. * Unsworth, N., McMillan, B.D., Brewer, G.A., & Spillers, G.J. (2012). Everyday attention failures: An individual differences investigation. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 38, 1765-1772.

49. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2012). Variation in Cognitive Failures: An Individual Differences Investigation of Everyday Attention and Memory Failures. *Journal of Memory & Language*, 67, 1-16.
48. *Brewer, G.A., & Unsworth, N. (2012). Individual differences in the effects of retrieval from long-term memory. *Journal of Memory & Language*, 66, 407-415.
47. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2012). The role of working memory capacity in autobiographical retrieval: Individual differences in strategic search. *Memory*, 20, 167-176.
46. Redick, T.S., Broadway, J.M., Meier, M.E., Kuriakose, P.S., Unsworth, N., Kane, M.J., & Engle, R.W. (2012). Measuring working memory capacity with automated complex span tasks. *European Journal of Psychological Assessment*, 28, 164-171.
45. *Unsworth, N., Redick, T.S., Spillers, G.J., & Brewer, G.A. (2012). Variation in working memory capacity and cognitive control: Goal maintenance and micro-adjustments of control. *Quarterly Journal of Experimental Psycholog*, 65, 326-355.
44. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2012). Evidence for noisy contextual search: Examining the dynamics of list-before-last recall. *Memory*, 20, 1-13.
43. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2012). Dynamics of context-dependent recall: An examination of internal and external context change. *Journal of Memory and Language*, 66, 1-16.
42. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2011). Variation in working

- memory capacity and episodic memory: Examining the importance of encoding specificity. *Psychonomic Bulletin & Review*, 18, 1113-1118.
41. *Spillers, G.J. & Unsworth, N. (2011). Variation in Working Memory Capacity and Temporal-Contextual Retrieval from Episodic Memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 1532-1539.
40. Siddiqui, A.P. & Unsworth, N. (2011). Investigating the role of emotion during the search process in free recall. *Memory & Cognition*, 39, 1387-1400.
39. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2011). Factors that influence search termination decisions in free recall: An examination of response type and confidence. *Acta Psychologica*, 138, 19-29.
38. *Brewer, G.A., Spillers, G.J., McMillan, B.D., & Unsworth, N. (2011). Extensive performance on the antisaccade task does not deplete executive-control. *Psychonomic Bulletin & Review*, 18, 923-929.
37. Faraco, C.C., Unsworth, N., Langley, J., Terry, J.D., Li, K., Zhang, D., Liu, T., Miller, L.S. (2011). Complex span tasks and hippocampal recruitment during working memory. *NeuroImage*, 55, 773-787.
36. *Unsworth, N., Spillers, G.J., Brewer, G.A., & McMillan, B.D. (2011). Attention Control and the Antisaccade Task: A Response Time Distribution Analysis. *Acta Psychologica*, 137, 90-100.
35. *Spillers, G.J. & Unsworth, N. (2011). Are the costs of directed forgetting due to failures of sampling or recovery? Exploring the dynamics of recall in list-method directed forgetting. *Memory & Cognition*, 39, 403-411.
34. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2011). Variation in verbal fluency:

- A latent variable analysis of switching, clustering, and overall performance. *Quarterly Journal of Experimental Psychology*, 64, 447-466.
33. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2011). Individual differences in working memory capacity and forgetting over both the short and the long-term: An application of the Population Dilution model. *Journal of Cognitive Psychology*, 23, 243-255.
32. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2011). Inter- and Intra individual variation in immediate free recall: An examination of serial position functions and recall initiation strategies. *Memory*, 19, 67-82.
31. *Unsworth, N., & Spillers, G.J. (2010). Working memory capacity: Attention, Memory, or Both? A direct test of the dual-component model. *Journal of Memory and Language*, 62, 392-406.
30. Unsworth, N. (2010). On the division of working memory and long-term memory and their relation to intelligence: A latent variable analysis. *Acta Psychologica*, 134, 16-28.
29. *Unsworth, N., & Spillers, G.J. (2010). Variation in working memory capacity and episodic recall: The contributions of strategic encoding and contextual-retrieval. *Psychonomic Bulletin & Review*, 17, 200-205.
28. *Brewer, G.A., Knight, J.B., Marsh, R.L. & Unsworth, N. (2010). Individual differences in event-based prospective memory: Evidence for multiple processes supporting cue detection. *Memory & Cognition*, 38, 304-311.
27. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2010). Understanding the dynamics of correct and error responses in free recall: Evidence from externalized free

- recall. *Memory & Cognition*, 38, 419-430.
26. *Unsworth, N., & Brewer, G.A. (2010). Variation in working memory capacity and intrusions: Differences in generation or editing? *European Journal of Cognitive Psychology*, 22, 990-1000.
25. Unsworth, N. (2010). Interference control, working memory capacity, and cognitive abilities: A latent variable analysis. *Intelligence*, 38, 255-267.
24. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2010). The contributions of primary and secondary memory to working memory capacity: An individual differences analysis of immediate free recall. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 36, 240-247.
23. *Unsworth, N., & Brewer, G.A. (2010). Individual differences in false recall: A latent variable analysis. *Journal of Memory & Language*, 62, 19-34.
22. Unsworth, N., Redick, T.S., Lakey, C.E., Young, D.L. (2010). Lapses in sustained attention and their relation to executive and fluid abilities: An individual differences investigation. *Intelligence*, 38, 111-122.
21. Gibson, B.S., Gondoli, D.M., Flies, A.C., Dobrzanski, B.A., & Unsworth, N. (2010). Application of the dual-component model of working memory to ADHD. *Child Neuropsychology*, 16, 60-79.
20. *Unsworth, N., & Brewer, G.A. (2009). Examining the Relationships Among Item Recognition, Source Recognition, and Recall from an Individual Differences Perspective. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 35, 1578-1585.
19. *Unsworth, N., Spillers, G.J., & Brewer, G.A. (2009). Examining the relations

- among working memory capacity, attention control, and fluid intelligence from a dual-component framework. *Psychology Science Quarterly*, 51, 388-402.
18. *Unsworth, N., Brewer, G.A., & Spillers, G.J. (2009). There's more to the working memory-fluid intelligence relationship than just secondary memory. *Psychonomic Bulletin & Review*, 16, 931-937.
17. Unsworth, N., Miller, J.D., Lakey, C.E., Young, D.L., Meeks, J.T., Campbell, W.K., & Goodie, A.S. (2009). Exploring the relations among executive functions, fluid intelligence, and personality. *Journal of Individual Differences*, 30, 194-200.
16. Unsworth, N., Redick, T.S., Heitz, R.P., Broadway, J., & Engle, R.W. (2009). Complex working memory span tasks and higher-order cognition: A latent variable analysis of the relationship between processing and storage. *Memory*, 17, 635-654.
15. Unsworth, N. (2009). Variation in working memory capacity, fluid intelligence, and episodic recall: A latent variable examination of differences in the dynamics of free recall. *Memory & Cognition*, 37, 837-849.
14. Unsworth, N. (2009). Examining variation in working memory capacity and retrieval in cued recall. *Memory*, 17, 386-396.
13. Unsworth, N. (2009). Individual differences in self-initiated processing at encoding and retrieval: A latent variable analysis. *Quarterly Journal of Experimental Psychology*, 62, 257-266.
12. Unsworth, N., Heitz, R.P., & Parks, N.A. (2008). The importance of temporal distinctiveness for forgetting over the short-term. *Psychological Science*, 19, 1078-1081.

11. Unsworth, N. (2008). Exploring the retrieval dynamics of delayed and final free recall: Further evidence for temporal-contextual search. *Journal of Memory and Language, 59*, 223-236.
10. Unsworth, N., & Engle, R.W. (2008). Speed and accuracy of accessing information in working memory: An individual differences investigation of focus switching. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 34*, 616-630.
9. Unsworth, N. (2007) Individual differences in working memory capacity and episodic retrieval: Examining the dynamics of delayed and continuous distractor free recall. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 33*, 1020-1034.
8. Unsworth N., & Engle, R.W. (2007). On the division of short-term and working memory: An examination of simple and complex spans and their relation to higher-order abilities. *Psychological Bulletin, 133*, 1038-1066.
7. Unsworth, N., & Engle, R.W. (2007). The nature of individual differences in working memory capacity: Active maintenance in primary memory and controlled search from secondary memory. *Psychological Review, 114*, 104-132.
6. Unsworth, N., & Engle, R.W. (2006). A temporal-contextual retrieval account of complex span: An analysis of errors. *Journal of Memory and Language, 54*, 346-362.
5. Unsworth, N., & Engle, R.W. (2006). Simple and complex memory spans and their relation to fluid abilities: Evidence from list-length effects. *Journal of Memory and Language, 54*, 68-80.

4. Unsworth, N., & Engle, R.W. (2005). Working memory capacity and fluid abilities: Examining the correlation between operation span and raven. *Intelligence*, 33, 67-81.
3. Unsworth, N., & Engle, R.W. (2005) Individual differences in working memory capacity and learning: Evidence from the serial reaction time task. *Memory & Cognition*, 33, 213-220.
2. Unsworth, N., Heitz, R.P., Schrock, J.C., & Engle, R.W. (2005) An automated version of the operation span task. *Behavior Research Methods*, 37, 498-505.
1. Unsworth, N., Schrock, J.C., & Engle, R.W. (2004) Working memory capacity and the antisaccade task: Individual differences in voluntary saccade control. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 1302-1321.

Book Chapters and Encyclopedia Entries

8. Unsworth, N. (2016.). The many facets of individual differences in working memory capacity. In B. Ross (Ed.). *The psychology of learning and motivation*, 65, 1-46.
7. Unsworth, N., & Redick, T.S. (in press). Working memory and intelligence. In J. Wixted (Ed.), *Cognitive Psychology of Memory. Vol. 2 of Learning and Memory: A Comprehensive Reference*, 4 vols., 2nd Edition (J.Byrne, Editor). Oxford: Elsevier.
6. Fiechter, J.L., Benjamin, A.S., & Unsworth, N. (2016). The metacognitive foundations of effective remembering. In J. Dunlosky & S.K. Tauber (Eds.), *The Oxford Handbook of Metamemory*.

5. Unsworth, N. (2014). Working memory capacity and reasoning. In A. Feeney & V. Thompson (Eds.), *Reasoning as Memory*.
4. *Spillers, G. J., Brewer, G. A., & Unsworth, N. (2012). Working memory and information processing. *Encyclopedia of the Sciences of Learning*.
3. Unsworth, N., & Engle, R.W. (2007). Individual differences in working memory capacity and retrieval: A cue-dependent search approach. In James S. Nairne (Ed). *The foundations of remembering: Essays in honor of Henry L. Roedgier III*. NY: Psychology Press.
2. Heitz, R.P., Unsworth, N., & Engle, R.W. (2005) Working memory capacity, attention, and fluid intelligence. In O. Wilhelm & R.W. Engle (Eds.) *Understanding and measuring intelligence*. NY: Sage.
1. Unsworth, N., Heitz, R.P., & Engle, R.W. (2005). Working memory capacity in hot and cold cognition. In R.W. Engle, G. Sedek, U. Hecker, & D.N. McIntosh (Eds.) *Cognitive limitations in aging and psychopathology: Attention, working memory, and executive functions*. NY: Oxford University Press.

Submitted Manuscripts

- Robison, M.K., & Unsworth, N. *Variation in the use of precues and retrocues to guide attention in visual working memory*.
- Robison, M.K., & Unsworth, N. *Working memory capacity and mind-wandering during low-demand cognitive tasks*.
- Unsworth, N., & McMillan, B.D. *Mind-wandering and distraction in educational contexts: A diary investigation of everyday attentional failures*.
- Unsworth, N. & Robison, M.K. *The importance of arousal for variation in working*

memory capacity and attention control: A latent variable pupillometry study.

Unsworth, N. & Robison, M.K. *Tracking arousal state and mind-wandering with pupillometry.*

Selected Talks and Presentations

Unsworth, N., Schrock, J.C., Heitz, R.P., & Engle, R.W. (2003, June). An automatic version of the operation span. Poster presented at the annual meeting of the American Psychological Society, Atlanta, GA.

Unsworth, N. (2003, March). On the correlation between Ospan and Ravens: A post-hoc analysis. Talk given at weekly Cognitive Seminar at Georgia Institute of Technology.

Unsworth, N. (2003, October). Working memory capacity and speed: Some preliminary results. Talk given at weekly Cognitive Seminar at Georgia Institute of Technology.

Unsworth, N. & Engle, R.W. (2004, May). Verbal working and short-term memory spans and fluid abilities: Evidence from list-length effects. Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Unsworth, N. & Engle, R.W. (2004, August). Working memory capacity and learning in the serial reaction time task. Poster presented at the annual meeting of the American Psychological Association, Honolulu, HI.

Unsworth, N., Heitz, R.P., Schrock, J.C., & Engle, R.W. (2004, November). An automated version of the operation span task. Talk given at the annual meeting of SCiP, Minneapolis, MN.

- Unsworth, N., & Engle, R.W. (2004, November). Individual differences in WM capacity: size of focus or retrieval? Talk given at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Unsworth, N. (2005, February). Individual differences in WM capacity: size of focus or retrieval? Talk given at weekly Cognitive Seminar at Georgia Institute of Technology.
- Unsworth, N. (2005, October). Working memory capacity and episodic retrieval: Examining the dynamics of free recall. Talk given at weekly Cognitive Seminar at Georgia Institute of Technology.
- Bunting, M., Doughty, C., Campbell, S.G., & Unsworth, N. (November, 2008). An evaluation of scoring methods for verbal working memory measures. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.
- Brewer, G. A., Knight, J. B., Spillers, G. J., Unsworth, N., & Marsh, R. L. (November, 2009). Individual Differences in Event-Based Prospective Memory. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
- Brewer, G. A., Spillers, G. J., Unsworth, N. (March, 2009). Primary Memory and Secondary Memory Jointly Determine Working Memory Capacity. Poster presented at the annual meetings of the American Psychological Society, San Francisco, CA.
- Redick, T.S., Hambrick, D.Z., Kane, M.J., Unsworth, N., Shipstead, Z.M., & Engle, R.W. (November, 2010). WMC: Weighing up multitasking and cognition. Talk presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Brewer, G. A., Spillers, G. J., Unsworth, N. (April, 2010). Working Memory,

Interference, and the Testing Effect. Poster presented at the Context and Episodic Memory Conference, Philadelphia, PA.

Spillers, G.J., Brewer, G.A., & Unsworth, N. (April 2010). Individual differences in working memory capacity and variation in the temporal-contextual dynamics of retrieval in free recall. Poster presented at the annual Context and Episodic Memory Symposium 2010, Philadelphia, PA.

Robison, M. K., Gath, K. I., & Unsworth, N. (2015, November). The neurotic wandering mind: An individual differences investigation of neuroticism, mind-wandering, and executive control. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

Teaching Experience

Graduate Seminar on Mind-wandering, University of Oregon

Graduate Seminar on Pupillometry, University of Oregon

Undergraduate Cognitive Psychology, University of Oregon

Graduate Seminar on Attentional Failures, University of Oregon

Undergraduate Seminar on Intelligence, University of Oregon

Graduate Seminar on Individual Differences in Working Memory, University of Oregon

Undergraduate Human Learning and Memory, University of Oregon

Graduate Seminar on Cognitive Neuroscience of Memory, University of Georgia

Graduate Seminar on the Nature of Working Memory, University of Georgia

Graduate Cognitive Psychology, University of Georgia

Undergraduate Cognitive Psychology, University of Georgia

Undergraduate Human Learning and Memory, Emory University

Undergraduate Introductory Psychology, Georgia Institute of Technology

Professional Affiliations

2002 - present Midwestern Psychological Association

2003 – present American Psychological Society

2004 – present American Psychological Association

2006 – present Psychonomic Society, Member

Funded Research Grants

Co-PI: Understanding the Role of Working Memory Capacity in Complex Task

Performance to Improve Selection, Classification, and Training (2009-2011),

ONR. Subcontract Costs: \$90,945

Co-Investigator: On the Distinction Between Number and Resolution in Visual Working

Memory (2009-2010). RO1 NIMH. Total costs: \$149,493

Consultant: Neural Noise and Cognitive Control in Schizophrenia (2011-2014), RO1

NIH. Consultant costs: \$7,200

Co-PI (w/ Ed Vogel): Improving cognitive performance by detecting and correcting

attentional lapses (2015-2018), ONR: \$581,190 direct costs.

PI: Collaborative Research: Testing Individualized Cognitive Training Interventions

Based on a Multifaceted Theory of Working Memory (2016-2019). National Science Foundation, BCS (NSF 1632327), Total costs: \$290,425

Honors and Distinctions

New Investigator Award, American Psychological Association, Division 3, for an article appearing in *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 2008

Graduate Teacher Award, Department of Psychology, University of Georgia, 2009

Graduate Teacher Award, Department of Psychology, University of Georgia, 2010

Michael Posner Faculty Fund Award, Department of Psychology, University of Oregon, 2011

Association for Psychological Sciences "Rising Star", 2011

Outstanding Early Career Award from the Psychonomic Society, 2012

Richard E. Bray Faculty Fellowship, University of Oregon, 2014-2017

Associate Editor

Cognitive Psychology, 2014-present

Journal of Experimental Psychology: Learning, Memory, & Cognition, 2014-present

Consulting Editor

Journal of Memory and Language, 2009-present

Journal of Experimental Psychology: Learning, Memory, & Cognition, 2012-2014

Psychonomic Bulletin & Review, 2011-2014

Memory & Cognition 2013-2016

Ad hoc reviewer

Grant Proposals: Economic & Social Research Council, NSF, Israeli Science

Foundation, University of Missouri, Swiss National Science Foundation

Journal Manuscripts: Acta Psychologica; Aging, Neuropsychology and Cognition; American Journal of Psychology; Behavior Research Methods; Brain & Cognition; British Journal of Psychology; Child Development; Cognitive Psychology; Cognitive Science; Consciousness and Cognition; Current Directions in Psychological Science; Developmental Science; European Journal of Aging; European Journal of Cognitive Psychology; Experimental Brain Research; Experimental Psychology; Intelligence; Irish Journal of Psychology; Journal of Applied Research in Memory and Cognition; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Experimental Psychology: Applied; Journal of the American Medical Association; Journal of Experimental Child Psychology; Journal of Eye Movement Research; Journal of Memory and Language; Learning & Individual Differences; Learning & Memory; Memory; Memory & Cognition; Neuropsychology; Perspectives on Psychological Science; Personality and Individual Differences; Proceedings of the National Academy of Science, Psychological Review; Psychological Reports; Psychological Research; Psychological Science; Psychology & Aging; Psychonomic Bulletin & Review; PLoS ONE; Quarterly

Journal of Experimental Psychology; Swiss Journal of Psychology; Thinking & Reasoning; Trends in Cognitive Science

University Service

Goldwater Scholarship selection committee, University of Oregon, 2014-

University Institutional Review Board (IRB) alternate member, 2015-

Departmental Service

Human Subjects Pool (Chair), 2015

Tenure committee for Azim Shariff, 2015

Cognitive Neuroscience Search committee (Chair), University of Oregon, 2014

Cognitive Neuroscience Search committee, University of Oregon, 2013, 2015

Undergraduate Education committee, University of Oregon, 2013

Colloquium committee, University of Oregon, 2014

Attneave Lecture Series committee, University of Oregon, 2010, 2011, 2014

Graduate Admissions committee, University of Oregon, 2010-2012

Technology committee, University of Georgia

University-wide Fellowship committee, University of Georgia

Committee for 2008 excellence in research by a graduate student award, University of Georgia

Student Committees

Yfat Kessel Dissertation committee (2007), University of Georgia

Ben Austins MS committee (2008), University of Georgia

Anne Gao Dissertation committee (2008), University of Georgia

Arlo Clark-Foos Comps committee (2008), University of Georgia

Thad Meeks Comps committee (2008), University of Georgia

John Best MS committee (2008), University of Georgia

Cesar Koila Comps and MS committee (AI) (2008), University of Georgia

Karan Sharma Comps and MS committee (AI) (2008), University of Georgia

Arlo Clark-Foos Dissertation committee (2008), University of Georgia

Thad Meeks Dissertation committee (2008), University of Georgia

Devin Smith Honors Thesis committee (2009), University of Georgia

Gene Brewer Comps committee (2009; Chair), University of Georgia

Michael Amlung MS committee (2009), University of Georgia

Erica Littler MS committee (2009), University of Georgia

Kelly Storm Comps committee (Computer Science) (2010), University of Georgia

Gene Brewer Dissertation (2010, Chair), University of Georgia

Greg Spillers Masters (2010; Chair), University of Georgia

Ben Austin Dissertation committee (2010), University of Georgia

Jason Isabel First Year Project committee (2011), University of Oregon

Keisuke Fukuda Comps committee (2011), University of Oregon

Eddie Ester Dissertation committee (2011), University of Oregon

Keisuke Fukuda Dissertation committee (2012), University of Oregon

Brittany McMillan Masters (2013; Chair)

Elizabeth Minton Dissertation (2014; Marketing Department), University of Oregon

Matt Robison First Year Project committee (2014; Chair), University of Oregon

Matt Robison Comps committee (2016; Chair), University of Oregon

Ashley Miller First Year Project committee (2016; Chair), University of Oregon

Krista Abrahamson Dissertation committee (2016; Music Department), University of
Oregon

Jason Hubard Dissertation committee (2016), University of Oregon

Rebecca Calcott Dissertation committee (2016), University of Oregon