

Nash Unsworth

Department of Psychology

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Positions

Assistant Professor University of Georgia

Education

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

Experimental Psychology

Specialization: Cognitive

Minor: Quantitative

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

Experimental Psychology

Specialization: Cognitive

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

Major: Psychology

Minor: Sociology

Publications

- Unsworth, N. Individual differences in self-initiated processing at encoding and retrieval: A latent variable analysis. *Quarterly Journal of Experimental Psychology*.
- Unsworth, N., Heitz, R.P., & Parks, N.A. (in press). The importance of temporal distinctiveness for forgetting over the short-term. *Psychological Science*.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Unsworth, N., & Engle, R.W. (2006a). A temporal-contextual retrieval account of complex span: An analysis of errors. *Journal of Memory and Language*, *54*, 346-362.
- Unsworth, N., & Engle, R.W. (2006b). Simple and complex memory spans and their relation to fluid abilities: Evidence from list-length effects. *Journal of Memory and Language*, *54*, 68-80.
- 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.
- Unsworth, N., & Engle, R.W. (2005). Working memory capacity and fluid abilities: Examining the correlation between operation span and raven. *Intelligence*, *33*, 67-81.
- 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.
- 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.

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.

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.

Submitted Manuscripts

Unsworth, N., Redick, T.R., Lakey, C.E., Young, D.L. Lapses in sustained attention and their relation to executive and fluid abilities: An individual differences investigation.

Unsworth, N. Sub-group variation in cognitive processes: Memory as a model case.

Unsworth, N. Interference control, working memory capacity, and cognitive abilities: A latent variable analysis.

Unsworth, N. Examining variation in working memory capacity and search set size in cued recall.

Unsworth, N., Redick, T.S., Heitz, R.P., Broadway, J., & Engle, R.W. Complex working memory span tasks and higher-order cognition: A latent variable analysis of the relationship between processing and storage.

Unsworth, N., Miller, J.D., Lakey, C.E., Young, D.L., Meeks, J.T., Campbell, W.K., &

Goodie, A.S. Exploring the relation among executive functions, fluid intelligence, and personality.

Unsworth, N. The many faces of episodic memory: Exploring commonalities across tasks within a component processing framework.

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.

Teaching Experience

- 2007, Fall Nature of Working Memory Seminar, University of Georgia, Athens, Georgia
- 2007, Fall Graduate Cognitive Psychology, University of Georgia, Athens, Georgia
- 2007, Spring Undergraduate Cognitive Psychology, University of Georgia, Athens, Georgia
- 2006, Fall Graduate Cognitive Psychology, University of Georgia, Athens, Georgia
- 2006, Spring Human learning and memory, Emory University, Atlanta Georgia
- 2006, Spring Introductory psychology, Georgia Institute of Technology, Atlanta Georgia
- 2005, Fall Introductory psychology, Georgia Institute of Technology, Atlanta Georgia

2005, Spring Introductory psychology, Georgia Institute of Technology, Atlanta
Georgia

Professional Affiliations

2002 - present Midwestern Psychological Association

2003 – present American Psychological Society

2004 – present American Psychological Association

2006 – present Psychonomic Society, Associate Member

Ad hoc reviewer

Acta Psychologica, Aging, Neuropsychology and Cognition, American Journal of Psychology, Behavior Research Methods, Brain & Cognition, Child Development, European Journal of Cognitive Psychology, Experimental Psychology, 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, Memory, Memory & Cognition, Learning & Memory, Personality and Individual Differences, Psychological Review, Psychological Reports, Psychology & Aging, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Swiss Journal of Psychology, Trends in Cognitive Science