

SARAH J. MILES

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EDUCATION

M.Sc. Psychology, The University of Western Ontario, London, Ontario, 2009

B.Sc. Honours with Distinction, Psychology, Mount Allison University, Sackville, New Brunswick, 2007

SCHOLARSHIPS & RECOGNITION

Council of Canadian Departments of Psychology Teaching Assistantship Award, 2013

Graduate Student Teaching Award nomination, University of Western Ontario, 2012 – 2013

Queen Elizabeth II Graduate Scholarship in Science and Technology, \$10 000, September 2012 – April 2013

Graduate Thesis Research Award, University of Western Ontario, \$750, January – September 2012

CogSci 2011 Robert J. Glushko and Pamela Samuelson Foundation Student Travel Award, \$300, July 2011

Natural Sciences and Engineering Research Council of Canada, Canada Graduate Scholarship, \$70 000, September 2010 – August 2012

Ontario Graduate Scholarship, Declined, September 2010

Ontario Graduate Scholarship, \$15 000, September 2009 – August 2010

Graduate Student Teaching Award nomination, University of Western Ontario, 2008 – 2009

Ontario Graduate Scholarship, Declined, September 2008

Natural Sciences and Engineering Research Council of Canada, \$35 000, September 2007 – August 2009

Canadian Psychological Association Certificate of Academic Excellence, 2007

Atlantic Provinces Council on the Sciences Certificate of Excellence, 2007

F. A. Surbey Prize in Psychology, \$275, Mount Allison University, 2007

Gordon Manson Peer Tutor Prize, \$75, Mount Allison University, 2007

Leadership Certificate, Mount Allison University, 2007

Millennium Scholarship, \$1 500, Mount Allison University, 2006

Mount Allison University Scholarship, \$750, Mount Allison University, 2006

G. P. Brooks Prize in Psychology, \$150, Mount Allison University, 2005

Dean's List, Mount Allison University, 2003-2007

Academic All-Canadian, Canadian Interuniversity Sport, 2003-2006

Varsity Women's Hockey Scholarship, Mount Allison University, 2004

RESEARCH

PEER REVIEWED PUBLICATIONS

Miles, S. J. & Minda, J. P. (2012). Perceptual Fluency Can Be Used as a Cue for Category Learning. *Psychonomic Bulletin & Review*, *19*, 737-742.

Miles, S. J. & Minda, J. P. (2011). The Effects of Concurrent Verbal and Visual Tasks on Category Learning. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *37*, 588-607.

Miles, S. J., & Minda, J. P. (2011). Perceptual fluency affects categorization decisions. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1655-1660). Austin, TX: Cognitive Science Society.

Minda, J. P., & **Miles, S. J.** (2009). Learning new categories: Adults tend to use rules while children sometimes rely on family resemblance. In N. A. Taatgen & H. van Rijn

(Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 1518-1523). Austin, TX: Cognitive Science Society.

CHAPTERS AND BOOKS

Minda, J. P., & **Miles, S. J.** (2010). The Influence of Verbal and Nonverbal Processing in Category Learning. In B. H. Ross (Ed.). *The Psychology of Learning and Motivation, Vol. 52*. Burlington: Academic Press.

UNDER REVIEW

Miles, S. J., Tremblay, P. F. & Minda, J. P (under review). Individual differences in the components of executive functioning differentially predict verbal and nonverbal category learning. *Journal of Experimental Psychology: Learning, Memory & Cognition*.

Miles, S. J., Matsuki, K., & Minda, J. P (under review). Executive functions mediate the interaction between category learning systems. *Attention, Perception, & Psychophysiscs*.

INVITED PRESENTATIONS

Miles, S. J., Rabi, R. R., & Minda, J. P. (2012, June). To what extent does category learning rely on executive functions? Evidence from child development and concurrent tasks. *Talk presented at the 2012 Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON.

Miles, S. J., Rabi, R. R., & Minda, J. P. (2011, March). Suboptimal rule use and fully developed prototype abstraction in children: Evidence for two learning systems. *Talk presented at the 2011 Society for Research in Child Development Biennial Meeting*, Montreal, QC.

CONFERENCE PRESENTATIONS

Miles, S. J & Minda, J. P. (2013, May). Executive functions play different roles in verbal and nonverbal category learning. *Poster presented at the 25th Annual Conference of the Association for Psychological Science*, Washington, DC.

Minda, J. P., **Miles, S. J.**, Nadler, R., & Rabi, R. R. (2012, November). Did your subjects eat breakfast? Individual and uncontrolled variables can affect performance. *Talk presented at the 53rd Annual Meeting of the Psychonomic Society*, Minneapolis, MN.

Miles, S. J., Rabi, R. R. & Minda, J. P. (2012, June). To what extent does category learning rely on executive functions? Evidence from child development and concurrent tasks. *Talk presented at the Canadian Society for Brain, Behaviour and Cognitive Science 22nd Annual Meeting*, Kingston, ON.

Miles, S. J. & Minda, J. P. (2012, May). Order of learning biases the competition between category-learning systems. *Poster presented at the 24th Annual Conference of the Association for Psychological Science*, Chicago, IL.

Miles, S. J. & Minda, J. P. (2012, March). Executive functions: Important for two types of category learning. *Talk presented at the 25th Annual Western Research Forum*, London, ON.

Miles, S. J. & Minda, J. P. (2012, February). Fluency as a cue for category membership. *Poster presented at the 40th Annual Conference of the Lake Ontario Visionary Establishment*, Niagara Falls, ON.

Miles, S. J. & Minda, J. P. (2011, July). Perceptual fluency affects categorization decisions. *Paper presented at the 33rd Annual Conference of the Cognitive Science Society*, Boston, MA.

Miles, S. J., & Minda, J. P. (2010, November). The effect of verbal description on competition between categorization systems. *Poster presented at the 51st Annual Meeting of the Psychonomic Society*, St. Louis, MO.

Minda, J. P., & **Miles, S. J.** (2009, November). Visual working memory: It effects on learning rule-defined and non-rule-defined categories. *Talk presented at the 50th Annual Meeting of the Psychonomic Society*, Boston, MA.

Minda, J. P., & **Miles, S. J.** (2009, July). Learning new categories: Adults tend to use rules while children sometimes rely on family resemblance. *Paper presented at the 31st Annual Conference of the Cognitive Science Society*, Amsterdam, The Netherlands.

Miles, S. J., & Minda, J. P. (2009, May). Memory Processes Used During a Categorization Decision. *Poster presented at the 5th annual Southern Ontario Behavioral Decision Research Conference*, St. Catharines, ON.

Miles, S. J. (2009, February). When a category is not learned verbally, is it learned visually instead? *Talk presented at the 21st Annual Western Research Forum*, London, ON.

Miles, S. J. & Minda, J. P. (2008, November). Rule-defined and non-rule-defined category learning in children. *Poster presented at the 49th Annual Meeting of the Psychonomic Society*, Chicago, IL.

Miles, S. J. (2008, March). Can children really learn to follow the rules? *Talk presented at the 20th Annual Western Research Forum*, London, ON.

Miles, S. J., Nicholson, K., & Ouellette, G. (2007, May). The effect of handedness of gesture on the fluency of speech. *Talk presented at the Atlantic Provinces Council on the Sciences Psychology Conference*, Sackville, NB.

RELEVANT COURSES

Neuroimaging of Cognition, Jody Culham
Cognitive Neuroscience of Event Related Potentials, Electroencephalography and Magnetoencephalography, Marc Joanisse
Structural Equation Modeling, Paul Tremblay
Semantic Memory, Ken McRae

SOFTWARE PROFICIENCY

Data analysis software: R, SPSS, Mplus
Other software: E-Prime, LaTeX, Real Studio

TEACHING EXPERIENCE

Teacher's Assistant, Psychological Statistics Using Computers, Department of Psychology, The University of Western Ontario, 2009 -2013

Teacher's Assistant, Research Methods and Analysis, Department of Psychology, The University of Western Ontario, 2007 - 2009

Teacher's Assistant, Introduction to Psychology, Department of Psychology, Mount Allison University, 2007

Teacher's Assistant, Cognitive Processes, Department of Psychology, Mount Allison University, 2006

Teacher's Assistant, The Psychology of Women, Department of Psychology, Mount Allison University, 2007

Teacher's Assistant, Research Design I & II, Department of Psychology, Mount Allison University, 2005 - 2006

Student tutor, Meighen Centre, Mount Allison University, 2004 - 2007

SUPERVISION

Ilan Zimmer, 2012-2013, Honours Thesis, *How Categories are Learned and the Effect of Perceptual Fluency*

INVITED LECTURES

Repeated Measures ANOVAs, Psychological Statistics Using Computers, February 14, 2012.

COMMITTEES

Language and Concepts Research Group Seminar Series organizer, 2012-2013

Graduate Affairs Committee, 2008 - 2011

Psychology Graduate Student Association, 2008 – 2009

Atlantic Provinces Council on the Sciences (APICS) Psychology Conference Organizing Committee, 2007

PROFESSIONAL MEMBERSHIP

Cognitive Science Society, 2008 – 2009, 2010 – 2011

Association for Psychological Science, 2012 - 2013