

Michael J. Serra

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Texas Tech University
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EDUCATION

- 2004-Dec 2006 Ph.D., Cognitive Psychology, Awarded 2007
Kent State University
Advisor: John Dunlosky
- 2002-2004 M.A. (non-terminal), Cognitive Psychology, Awarded 2004
University of North Carolina at Greensboro
Advisor: John Dunlosky
- 1998-2002 B.A., Psychology, Awarded 2002
Hofstra University
Advisor: Charles F. Levinthal

PROFESSIONAL EXPERIENCE

- 2008-present Assistant Professor
Texas Tech University
- Jan 2007-2008 Post-Doctoral Researcher
Columbia University
Supervisor: Janet Metcalfe
- 2004-Dec 2006 Research Assistant
Kent State University
Supervisor: John Dunlosky
- 2002-2004 Research Assistant
University of North Carolina at Greensboro
Supervisor: John Dunlosky
- 2001-2002 Research Assistant, Departmental Assistant
Hofstra University
Supervisor: Charles F. Levinthal

RESEARCH PROGRAM

In general, my research program centers on student scholarship. More specifically, I am currently pursuing two major lines of research: education-related metacognition (i.e., thinking about and evaluating one's cognitive processes such as memory and reading comprehension) and multimedia learning (i.e., learning from information presented both verbally and visually).

PUBLICATIONS

- Serra, M. J., & Dunlosky, J. (In Press). Metacomprehension judgments reflect the belief that diagrams improve learning from text. *Memory*.
- Serra, M. J. (2010). Diagrams increase the recall of non-depicted text when understanding is also increased. *Psychonomic Bulletin & Review*, *17*, 112-116.
- Serra, M. J., & Metcalfe, J. (2009). Effective implementation of metacognition. In D. Hacker, J. Dunlosky, & A. Graesser (Eds.). *Handbook of Metacognition in Education*. (pp. 278-298). New York, NY: Psychology Press.
- Serra, M. J., Dunlosky, J., & Hertzog, C. (2008). Do older adults show less confidence in their monitoring of learning? *Experimental Aging Research*, *34*, 379-391.
- Dunlosky, J., Serra, M. J., & Baker, J. M. C. (2007). Metamemory. In F. T. Durso, R. S. Nickerson, S. T. Dumas, S. Lewandowsky, & T. J. Perfect (Eds.) *Handbook of Applied Cognition*. 2nd Edition. (pp. 137-161). Chichester, West Sussex, England: John Wiley & Sons, Ltd.
- Serra, M. J., & Dunlosky, J. (2005). Does retrieval fluency contribute to the underconfidence-with-practice effect? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *31*, 1258-1266.
- Dunlosky, J., Serra, M. J., Matvey, G., & Rawson, K. A. (2005). Second-order judgments about judgments of learning [Special issue]. *Journal of General Psychology*, *132*, 335-346.

INVITED TALKS

- Serra, M. J. (2009, April). *Metacognitive errors in learning (and some ways to overcome them)*. Invited talk, Texas Tech Teaching, Learning, and Technology Center, Lubbock, TX.
- Serra, M. J. (2009, April). *Multimedia learning from text with diagrams: Is it “just a repetition effect”?* Invited Departmental Colloquium, UTSA, San Antonio, TX.
- Serra, M. J. (2008, April). *Participants’ explanations for their judgments of learning*. Paper presented at the 1st Annual Subway Summit on Cognition and Education Research, Fordham University, New York, NY.
- Serra, M. J. (2007, March). *Is the influence of test trials on judgments of learning analytic?* Invited Cognitive Area Talk, UNCG, Greensboro, NC.

CONFERENCE PRESENTATIONS

- Flores, F. R., & Serra, M. J. (2010, November). *When Less is More: The Benefits of Alternating Fewer Diagrams in Multimedia Learning*. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
- England, B. D., & Serra, M. J. (2010, November). *Testing Benefits the Relative and Absolute Accuracy of Judgments of Learning (JOLs)*. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

- Serra, M. J., & Flores, F. R. (2010, May). *Judging Remembering and Forgetting in a Two-Dimensional Evaluative Space*. Paper presented at the 82nd Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- England, B. D. & Serra, M. J. (2010, May). *Decomposing the Memory for Past Test Heuristic in the Underconfidence-with-Practice Effect*. Paper presented at the 82nd Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Serra, M. J., Ellis, K., Marks, D., & Scardino, J. (2010, May). *Examining the Link between Memory and Understanding in Multimedia Learning*. Poster presented at the 82nd Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- England, B. D. & Serra, M. J. (2010, April). *Decomposing the Memory for Past Test Heuristic in the Underconfidence-with-Practice Effect*. Paper presented at the 56th Annual Meeting of the Southwestern Psychological Association, Dallas, TX.
- Serra, M. J., Scardino, J., & Ellis, K. (2010, April). *Examining the Link between Memory and Understanding in Multimedia Learning*. Poster presented at the 56th Annual Meeting of the Southwestern Psychological Association, Dallas, TX.
- Shanks, L., & Serra, M. J. (2010, March). *The Effect of Topic Expertise on the Accuracy of Judgments of Learning*. Poster presented at the Annual Meeting of the Great plains Honors Council, Tulsa, OK.
- England, B. D., & Serra, M. J. (2009, November). *Judgments Of Forgetting Show Improved Calibration But Impaired Relative Accuracy On A Second Study-Test Trial*. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
- Serra, M. J., & England, B. D. (2009, May). *Diagrams improve memory for science text through repetition*. Paper presented at the 81st Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Serra, M. J., & England, B. D. (2009, April). *Judgments of forgetting show a reduced underconfidence with practice effect*. Paper presented at the 55th Annual Meeting of the Southwestern Psychological Association, San Antonio, TX.
- Serra, M. J. (2008, May). *Diagrams increase the retention and understanding of science text via different mechanisms*. Paper presented at the 80th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Serra, M. J. (2007, August). *How do diagrams improve memory for science text?* Poster presented at the 115th Annual Meeting of the American Psychological Association, San Francisco, CA.
- Serra, M. J., & Dunlosky, J. (2007, May). *Explicit use of analytic cues for judgments of learning*. Poster presented at the 19th Annual Meeting of the Association for Psychological Science, Washington, D.C.
- Serra, M. J., & Dunlosky, J. (2007, May). *Do beliefs about comprehension affect metacomprehension judgments?* Paper presented at the 79th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

- Dunlosky, J., & Serra, M. J. (2006, November). *Is the influence of test trials on judgments of learning analytic?* Poster presented at the 47th Annual Meeting of the Psychonomic Society, Houston, TX.
- Serra, M. J., & Dunlosky, J. (2006, May). *Do students know that multimedia materials enhance learning?* Poster presented at the 18th Annual Meeting of the Association for Psychological Science, New York, NY.
- Serra, M. J., & Dunlosky, J. (2005, November). *Does multimedia improve metacomprehension accuracy for text content?* Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Serra, M. J., & Dunlosky, J. (2005, May). *Evaluating the retrieval-fluency hypothesis for the underconfidence-with-practice effect.* Paper presented at the 77th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Dunlosky, J. & Serra, M. J. (2004, November). *Second-order judgments about judgments of learning: Exploring learners' confidence in their monitoring.* Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Serra, M. J., Dunlosky, J., & Hertzog, C. (2004, March). *Aging and metamonitoring.* Paper presented at the 50th Annual Meeting of the Southeastern Psychological Association, Atlanta, GA.
- Serra, M. J. & Dunlosky, J. (2003, November). *The contribution of retrieval fluency to the underconfidence-with-practice effect.* Poster presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, British Columbia, Canada.
- Dunlosky, J., Serra, M. J., Matvey, G., & Rawson, A. K. (2003, February). *Metamonitoring.* Paper presented at the 2003 North Carolina Cognition Group, Raleigh, NC.

TEACHING EXPERIENCE

- PSY 5352 **Instructor**, Seminar in Learning Theory, *Texas Tech University*
- PSY 5101 **Instructor**, Seminar on the Teaching of Psychology, *Texas Tech University*
- PSY 3401 **Instructor**, Research Methods, *Texas Tech University*
- PSY 11762 **Instructor**, General Psychology (Honors), *Kent State University*
- PSY 311L **Lab Instructor**, Research Methods Class (Honors), *UNCG*
- PSY 481L **Lab Instructor**, Upper-level Cognitive Psychology Class, *UNCG*

SELECTED SERVICE

- Various **Ad Hoc Reviewer**, *Journal of Experimental Psychology: Learning, Memory, and Cognition*; *Journal of Experimental Psychology: Applied*; *Journal of Educational Psychology*; *Memory & Cognition*; *Quarterly Journal of Experimental Psychology*; *Discourse Processes*; *Experimental Aging Research*; *European Journal of Cognitive Psychology*; *Israel Science Foundation (ISF) grants*; *SWPA*

Conference Abstracts; McGraw-Hill Textbooks; Sinauer Textbooks; Worth Textbooks

- 2009-present **General Psychology Supervisor**, *Texas Tech Department of Psychology*
- 2009-present **Chair, Undergraduate Program Committee**, *Texas Tech Department of Psychology*
- 2009-present **Membership Committee**, *Midwestern Psychological Association*
- 2008-present **MPA Local Representative**, *Texas Tech University*
- 2008-2009 **Member, Undergraduate Program Committee**, *Texas Tech Department of Psychology*
- 2007-2008 **MPA Local Representative**, *Columbia University*
- 2005-2006 **Clinical Job Search Committee Experimental Graduate Student Representative**, *Kent State University*
- 2004-present **Website Manager**, *International Association for Metacognition*, designed and maintain website and members list, coordinate RSVPs for biennial meeting

PROFESSIONAL ORGANIZATIONS

American Psychological Association (APA)
APA Division 15, Educational Psychology
Association for Psychological Science (APS)
International Association for Metacognition (IAM) – Website Manager
Midwestern Psychological Association (MPA) – Local Representative
Midwestern Psychological Association Membership Committee
Psi Chi National Honor Society
Psychonomic Society – Associate Member
Society for Text and Discourse
Southwestern Psychological Association (SWPA)