

CELESTE PILEGARD

Graduate School of Education
University of California, Riverside
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EDUCATION

- 2016 Ph.D. Psychological and Brain Sciences; University of California, Santa Barbara;
Advisor: Richard E. Mayer, Ph.D.
- 2013 M.A. Psychology; University of California, Santa Barbara
- 2011 B.A. Psychology (Cognitive Science minor); California State University, Fresno;
Summa cum laude with Department and University Honors

PROFESSIONAL EXPERIENCE

- 2016 – present Assistant Professor, Graduate School of Education, University of California,
Riverside

GRANTS, HONORS AND AWARDS

- 2015 Dissertation Research Award, American Psychological Association
- 2015 Dissertation Writers Professional Development Award, Graduate Division,
University of California, Santa Barbara
- 2013 – 2016 Graduate Research Fellowship, National Science Foundation
- 2012, 2013 Predoctoral Fellowship Honorable Mention, Ford Foundation
- 2012 Graduate Teaching Fellowship, School for Scientific Thought, Center for
Science and Engineering Partnerships, University of California, Santa Barbara
- 2011 – 2015 SAGE Center for the Study of the Mind Graduate Student Fellowship,
University of California, Santa Barbara

PEER-REVIEWED PUBLICATIONS

Pilegard, C. & Fiorella, L. (in press). Helping students help themselves: Generative learning strategies improve middle school students' self-regulation in a cognitive tutor. *Computers in Human Behavior*.

Adams, D. M., **Pilegard, C.**, & Mayer, R. E. (2016). Evaluating the cognitive consequences of playing Portal for a short duration. *Journal of Educational Computing Research*, 54, 173-195.

Pilegard, C. & Mayer, R. E. (2016). Improving academic learning from computer-based narrative games. *Contemporary Educational Psychology*, 44-45, 12-20.

Pilegard, C. & Mayer, R. E. (2015). Within-subject and between-subject conceptions of metacomprehension accuracy. *Learning and Individual Differences*, 41, 54-61.

Pilegard, C. & Mayer, R. E. (2015). Adding judgments of understanding to the metacognitive toolbox. *Learning and Individual Differences*, 41, 62-72.

BOOK CHAPTER

Mayer, R. E. & **Pilegard, C.** (2014). Principles for managing essential processing in multimedia learning: Segmenting, pre-training, and modality principles. In R. E. Mayer (Ed.), *Cambridge handbook of multimedia learning* (2nd ed., pp. 316-344). New York: Cambridge University Press.

CONFERENCE PRESENTATIONS

Pilegard, C., & Mayer, R. E. (2016). Can instructional support during Tetris training help facilitate transferable spatial skills? Poster accepted to the 97th Annual Meeting of the American Educational Research Association, Washington D. C.

Pilegard, C., Adams, D. M. & Mayer, R. E. (2016). A cognitive consequences approach to game research: What is learned from playing video games? Paper accepted to the 97th Annual Meeting of the American Educational Research Association, Washington D. C.

Pilegard, C., & Mayer, R. E. (2015). Adding instructional supports to train transferable skills with games. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

Pilegard, C., & Mayer, R. E. (2015). Adding worksheets to improve learning from a computer-based narrative game. Paper presented at the 96th Annual Meeting of the American Educational Research Association, Chicago, IL.

Adams, D. M., **Pilegard, C.**, & Mayer, R. E. (2015). Can playing Portal affect spatial thinking and physics intuitions? Poster presented at the 96th Annual Meeting of the American Educational Research Association, Chicago, IL.

Pilegard, C., & Mayer, R. E. (2014). Improving academic learning from a computer-based narrative game. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.

Pilegard, C., & Mayer, R. E. (2014). Study strategies improve metacomprehension accuracy. Paper presented at the 95th Annual Meeting of the American Educational Research Association, Philadelphia, PA.

Pilegard, C., & Mayer, R. E. (2013). Metacomprehension accuracy of judgments of understanding during multimedia learning. Paper presented at the 94th Annual Meeting of the American Educational Research Association, San Francisco, CA.

Pilegard, C., & Mayer, R. E. (2012). Judgments of understanding predict transfer performance in a multimedia lesson. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

- Oswald, K. O., Gonzalez, J., **Pilegard, C.**, & Blake, A. (2012). Generalizing the betting technique for increasing metacognitive accuracy. Poster presented at 92nd Annual Meeting of the Western Psychological Association. Burlingame, CA.
- Gonzalez, J., **Pilegard, C.**, Blake, A., & Oswald, K. O. (2012). Evaluating betting as a tool for enhancing metacognitive calibration. Poster presented at 31st Annual Central California Research Symposium, Fresno, CA.
- Pilegard, C.**, Hernandez, C., & Shapiro M. S. (2010). Neural correlates of time perception in an oddball task: An ERP study. Poster presented at 22nd Annual Association for Psychological Science, Boston, MA.
- Pilegard, C.**, & Shapiro, M. S. (2010). Short interval time perception in an oddball task: An ERP study. Oral presentation given at 29th Annual Central California Research Symposium, Fresno, CA.
- Xavier, N. M., Bassi, A., **Pilegard, C.**, & Oswald, K. O. (2010). Comparing facial composite software effectiveness in correct target identification. Poster presented at the 29th Annual Central California Research Symposium, Fresno, CA.

TEACHING EXPERIENCE

Instructor of Record (University of California, Santa Barbara)

- 2015 Introduction to Cognitive Psychology
 2014 Educational Psychology

Teaching Assistant (University of California, Santa Barbara)

- 2013 Laboratory in Advanced Research Methods
 2013 Laboratory in Human Memory and Cognition
 2013 Introduction to Psychology
 2012 Educational Psychology
 2011 Human Memory

Graduate Teaching Fellow (University of California, Santa Barbara)

- 2012 *This is Your Mind on School*, School for Scientific Thought (high school outreach program), Center for Science and Engineering Partnerships

Volunteer English Teacher

- 2011 – La Patera Elementary School, 2nd grade English Language Development,
 2012 Goleta, CA
 2010 Sunshine School, Vientiane, Laos
 2010 Social and Economic Developers Association, Vientiane, Laos
 2010 Lao Union of Science and Engineering Associations, Vientiane, Laos

RELATED PROFESSIONAL EXPERIENCE

- 2015 – Program Coordinator, Teaching Assistant Development Program, Office of
 2016 Instructional Development, University of California, Santa Barbara

- 2015 Research Consultant, National Center for Child Traumatic Stress, University of California, Los Angeles
- 2014 – Teaching Consultant, Teaching Assistant Development Program, Office of
2016 Instructional Development, University of California, Santa Barbara

CAMPUS AND INVITED TALKS

- 2016 *Accommodating Multiple Prior Knowledge Levels in Math and Science*, Workshop in the TA Pedagogy Series, Office of Instructional Development, University of California, Santa Barbara
- 2016 *Debunking Learning Myths and Misconceptions with Science*, Workshop in the TA Pedagogy Series, Office of Instructional Development, University of California, Santa Barbara
- 2015 Teaching Associate Panelist, Teaching Assistant Advisory Panel, Department of Psychological and Brain Sciences, University of California, Santa Barbara
- 2015 *What Can We Learn from Video Games?*, Finalist in the Grad Slam Research Competition, University of California, Santa Barbara
- 2015 *Seeing With Your Brain*, Invited Talk at the Center for Science and Engineering Partnerships, University of California, Santa Barbara
- 2015, *What We Talk About When We Talk About Study Skills*, Workshop in the TA
2016 Pedagogy Series, Office of Instructional Development, University of California, Santa Barbara
- 2014 *This is Your Mind on School*, Invited Talk at the Early Academic Outreach Program, University of California, Santa Barbara
- 2013 *Research-based Guidelines for Helping Your Students Learn*, Invited Talk at the Teaching Assistant Advisory Panel, Department of Psychological and Brain Sciences, University of California, Santa Barbara
- 2013 *Adding Judgments of Understanding to the Metacognitive Toolbox*, Talk given at Annual Mini-Convention of the Department of Psychological and Brain Sciences, University of California, Santa Barbara
- 2012 *Study Strategies for Meaningful Learning*, Invited Talk at the Anacapa High School Speaker Series, Santa Barbara, CA
- 2012 *Research-based Guidelines for Effective Instruction*, Invited Talk at the Teaching Assistant Advisory Panel, Department of Psychological and Brain Sciences, University of California, Santa Barbara

PROFESSIONAL DEVELOPMENT

- 2015 Summer Associate Mentorship Program, Department of Psychological and Brain Sciences, University of California, Santa Barbara

- 2014 Teaching Associate Video Consultation, Office of Instructional Development, University of California, Santa Barbara
- 2012 LearnLab Summer School, Pittsburgh Science of Learning Center, Carnegie Mellon University
- 2012 School for Scientific Thought Teacher Training, Center for Science and Engineering Partnerships, University of California, Santa Barbara
- 2011 Teaching Assistant Advisory Panel, Department of Psychological and Brain Sciences, University of California, Santa Barbara

CONFERENCE REVIEWER

- 2015 American Educational Research Association, Division C
- 2015 American Educational Research Association, TICL SIG

COMMUNITY ENGAGEMENT

- 2015 – Science Women Achieving Greatness (High school outreach group), Center
2016 for Science and Engineering Partnerships, University of California, Santa Barbara
- 2014 – Judge in the Behavioral, Cognitive, and Social Sciences Division, Santa
2016 Barbara County Science Fair
- 2013 – ScienceLine Designated Scientist in the Life Sciences, Materials Research
2016 Laboratory ScienceLine, University of California, Santa Barbara