# Emanuele Bardelli

School of Education, SEB 2402
610 East University Avenue
Ann Arbor, MI 48109-1259
Phone: (734) 764-5646
Email: bardelli@umich.edu

## EDUCATION

- PhD in Educational Studies                                                        Expected: 2021
    University of Michigan, Ann Arbor, Michigan
    Concentration in Mathematics Education
    Advisor: Dr. Patricio Herbst
- Masters of Arts in Education                                                        Awarded: 2011
    California State University Los Angeles, Los Angeles, California
    Concentration in Mathematics and Science Teaching
    Single Subject Teaching Credential: K-12 Mathematics
    Thesis: *The Effects of the Classroom Assessment Environment on Student Self-efficacy, Motivation, and Achievement Goals*
    Advisors: Dr. John Shindler and Dr. A.Dee Williams
- Bachelor of Science in Mathematics                                                Awarded: 2008
    Università Degli Studi di Modena e Reggio Emilia, Modena, Italy
    Thesis: *Generation of 3-Dimensional Rigid Spheres*
    Advisor: Dr. Carlo Gagliardi
    Graduated with Highest Honors

## PUBLICATIONS and PRESENTATIONS

### Peer-Reviewed Publications:
Milewski, A., Herbst, P., **Bardelli, E.**, & Hetrick, C. (2018). The role of simulations for supporting professional growth: Teachers' engagement in virtual professional experimentation. *Journal of Technology and Teacher Education*, 26(1), 103–126.

### Publications under Review:
Ronfeldt, M., **Bardelli, E.**, Brockman, S., & Mullman, H. (2019). Will mentoring a student teacher harm my evaluation scores? Effects of serving as a cooperating teacher on evaluation metrics. Revise and resubmit at the *American Educational Research Journal*. Available at https://peabody.vanderbilt.edu/TERA/files/TERA_Working_Paper_2019-03.pdf

White, M. & **Bardelli, E.** (2019). Criterion-referenced value-added scores. Paper under review at *Educational Measurement: Issues and Practice*.

### Working Papers:
**Bardelli, E.** & Herbst, P. (2019, March). Practical rationality and instructional choices: Can a socio-cultural framework explain teacher decision making?

Ronfeldt, M., Goldhaber, D., Cowan, J., **Bardelli, E.**, Johnson, J., & Tien, C. D. (2018, April). Identifying promising clinical placements using administrative data: Preliminary results

from ISTI placement initiative pilot. *CALDER Working Paper*. Available at https://caldercenter.org/sites/default/files/WP%20189.pdf

## Conference Presentations - Presenting Author:

**Bardelli, E.**, & Ronfeldt, M. (2019, April). *Labor market outcomes for teachers endorsed in high-needs areas.* Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

**Bardelli, E**., Papay, J., & Ronfeldt, M. (2019, April). *Modeling educator preparation provider effects on graduates' improvement trajectories*. Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

Ronfeldt, M., Mullman, H., Truwit, M., & **Bardelli, E.**, (2019, March). *Does cooperating teacher training impact coaching practice or candidate preparation?* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

Ronfeldt, M., **Bardelli, E.,** Mullman, H., & Truwit, M. (2019, March). *Can administrative data help identify promising clinical placements? Evidence from a randomized control trial in a teacher preparation program.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

**Bardelli, E.**, & Ronfeldt, M. (2019, March). *Labor market outcomes for teachers endorsed in high-needs areas.* Paper presented at the 2019 School of Education Graduate Student (GSCO) Conference, University of Michigan, Ann Arbor, MI.

**Bardelli, E.** & Herbst, P. (2018, November). *Teacher decision making in instructional situations in algebra and geometry: Do teachers follow instructional norms?* Poster presented at the 2018 Psychology of Mathematics Education – North America (PME-NA) conference, Houston, TX.

Ion, M., **Bardelli, E.**, & Herbst, P. (2018, October). *Learning About the Norms of Teaching Practice: How Can Machine Learning Help Analyze Teachers' Reactions to Scenarios?* Poster presented at the 2018 MIDAS Annual Symposium, Ann Arbor, MI.

**Bardelli, E.** (2018, March). *Teacher decision making in instructional situations in algebra and geometry: Do teachers follow instructional norms?* Paper presented at the 2018 School of Education Graduate Student (GSCO) Conference, University of Michigan, Ann Arbor, MI.

Milewski, A., Amidon, J., **Bardelli, E.**, & Boileau, N. (2018, February). *Using virtual spaces to promote teacher professional growth: Acting to believing*. Paper presented at the 2018 American Mathematics Teacher Educators (AMTE) Conference, Houston, TX.

**Bardelli, E.** (2017, March). *Exploring teacher narratives following an online professional development activity*. Paper presented at the 2017 School of Education Graduate Student (GSCO) Conference, University of Michigan, Ann Arbor, MI.

## Conference Papers - Non-presenting Author:

Ronfeldt, M., Mullman, H., Truwit, M., & **Bardelli, E.** (2019, April). *Does mentor training impact coaching practice or candidate preparation?* Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

Shultz, M., **Bardelli, E.**, Milewski, A., Boileau, N., & Herbst, P. (2019, April). *What can we learn about the differences between experts and novices from a teaching simulation*?

Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

Milewski, A., **Bardelli, E.**, & Herbst, P. (2019, April). *Framing a task as both construction and proof: How do teachers manage?* Paper presented at the National Council of Teachers of Mathematics Research (NCTM-R) Conference, San Diego, CA.

Mesa, V., Duranczyk, I, **Bardelli, E.**, & AI@CC Research Group (2019, February). *An exploratory factor analysis of EQIPM, a video coding protocol to assess the quality of community college algebra instruction.* Paper presented at the Research in Undergraduate Mathematics Education (RUME) Conference, Oklahoma City, OK.

Cowan, J., Goldhaber, D., Ronfeldt, M., **Bardelli, E.**, Johnson, J., & Tien, C. (2019, March). *Do I know myself? How self-perceived effectiveness evolves during the student teaching internship.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

Goldhaber, D., Cowan, J., Ronfeldt, M., **Bardelli, E.**, Johnson, J., & Tien, C. (2019, March). *Room for improvement? Descriptive evidence on the content of student teacher evaluations.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

Ronfeldt, M., **Bardelli, E.**, Brockman, S., & Mullman, H. (2019, March) *Will mentoring a student teacher harm my evaluation scores? Effects of serving as a cooperating teacher on evaluation metrics.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MI.


## HONORS AND AWARDS

- Institute of Education Sciences Pre-Doctoral Fellowship   2017-Present
  Pre-doctoral training in causal inference in education
- School of Education Scholar Award, University of Michigan   2016-present
- National Science Foundation Graduate Research Fellowship   2017
  Honorable mention
- Horace H. Rackham School of Graduate Studies Regents Fellowship   2016-2017
- Department of Natural and Physical Sciences, Merit Scholarship   2005-2008
  Università Degli Studi di Modena e Reggio Emilia


## PROFESSIONAL SERVICE

- Dean Student Advisory Committee   2018-Present
  School of Education, University of Michigan
- Reviewer   2017-Present
  Conferences: American Educational Research Association, Psychology of Mathematics Education – North America, Research in Undergraduate Mathematics Education, National Council of Teachers of Mathematics, Association of Mathematics Teacher Educators
- Placement Policy and Assessment Consultant   2016-2018
  Department of Curriculum and Instruction
  Lodi Unified School District, Lodi, California
- Advisory Board Member   2013-2016
  Joe Serna Junior Charter School
  Lodi Unified School District, Lodi, California

- Tutor, United Friends of the Children, Los Angeles, California                    2010-2012

## RESEARCH EXPERIENCE

- Research Assistant                                                                                    2016 – Present
     University of Michigan, Ann Arbor, Michigan

## TEACHING EXPERIENCE

### Graduate-level Courses

- Psychometrics                                                                                          Fall 2018
     Graduate Student Instructor for Dr. Matthew Diemer, University of Michigan
- Structural Equation Modeling                                                            Winter 2019
     - Graduate Student Instructor for Dr. Matthew Diemer, University of Michigan

### Professional Development of In-Service Teachers:

- AVID Summer Institute, Sacramento, California                                      2016
- Curriculum and Instruction                                                              2015-2016
     Lodi Unified School District, Lodi, California

### K-12 Teaching Experience:

- Bear Creek High School, Stockton, California                                         2015
     Mathematics Instructor: Summer Enrichment Program
- Joe Serna Junior Charter School, Lodi, California                               2012-2015
     Mathematics and AVID Instructor: Grades 6-8 Mathematics and AVID
- Woodrow Wilson Senior High School, Los Angeles, California               2010-2012
     Mathematics Instructor: Grades 9-12 Mathematics
- Urban Teacher Resident at Woodrow Wilson High School                     2010-2011
     Los Angeles Urban Teacher Residency
     California State University, Los Angeles, Los Angeles, California

## ADVANCED METHODS TRAINING

- Statistical and Mathematical Software: Stata, R, C++, Python, Ruby
- Advanced Research Methods: Causal Methods, Psychometrics, Structural Equation Modeling, Systemic Functional Linguistics