

CARMEL SCHETTINO

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EDUCATION

University at Albany/SUNY, Albany, NY

Ph.D., Curriculum and Instruction with specialization in Mathematics Education 2013

Dissertation Title: *Dismantling the Birdcage: Adolescent Girls' Attitudes towards Learning Mathematics with a Relational Pedagogy in a Problem-Based Environment*

Boston College, Chestnut Hill, MA

M.A. in Mathematics 1992

Manhattanville College, Purchase, NY

B.A. in Mathematics, Magna cum laude, Departmental and Senior Thesis Honors 1990

AWARDS

Henry L. Thompson Chair in Mathematics, Emma Willard School, Troy, NY

September 2009

Charles E. Ryberg '63 Teaching Fund Award, Phillips Exeter Academy, Exeter, NH

June 1999

Summer Fellowship, Klingenstein Center for Independent School Education at Teachers College, Columbia University

June 1996

Teaching Excellence Award, Boston College Teaching Fellows

May 1992

TEACHING EXPERIENCE

Deerfield Academy, Deerfield, MA

Mathematics Instructor, Data Coordinator, Residential Faculty – Mathematics Department Fall 2011

University at Albany/SUNY, Albany, NY

Adjunct Instructor – Educational Theory and Practice Department

Fall 2009-10

Teaching High School Mathematics – Methods and Guided Field Experience

Emma Willard School, Troy, NY

Mathematics Instructor, Coordinator of Innovative Classroom Practice, Mathematics Department Chair

2001-2011

Instructed all levels of secondary and advanced mathematics, served in administrative roles, developed curriculum, oversaw departmental professional development, led intern seminar

Phillips Exeter Academy, Exeter, NH

Mathematics Instructor

1995-2001

Boston College, Chestnut Hill, MA

Teaching Fellow – Calculus I, II, Finite Mathematics

1990-1992

Fully responsible for all aspects of teaching, planning, grading college level courses

RELATED EXPERIENCE

Women's Educational Equity Act Program, *Project Numbers and Futures*, US Department of Education

Graduate Research Assistant

Fall 2009

Curriculum writing and tutor training for federally funded research project serving African-American High School Females in Mathematics

Christel House South Africa, Ottery, Western Cape Province, South Africa

Researcher, Program Evaluator

July 2009

Compiled report of K-12 Mathematics Program from observation, interview and focus groups for NGO school serving underprivileged children

New Jersey Association of Independent Schools Professional Development Workshop

Presenter

'Problem-Based Learning: Fostering Engagement and Empowerment in the Mathematics Classroom'

October 2008

Bard College, MAT Program, Annandale-on-Hudson, NY

Master Teacher, Seminar Presenter and Teacher Mentor

Summer intensive course and follow up seminars during academic year with field teachers in the Bronx and other NYC schools

July 2007 – March 2008

Emma Willard School, Troy, NY & Phillips Exeter Academy, Exeter, NH

Curriculum Developer

Writing, development, implementation and faculty training of problem-based curriculum for calculus, integrated algebra/ geometry and trigonometry courses.

2002-present, 1997-2000

Exeter Mathematics Institute

Teacher Educator

Professional development instruction for public school mathematics teachers in urban districts around the U.S. including Memphis, TN, Phoenix, AZ, Las Vegas, NV & Atlanta, GA.

1999-2002

PUBLICATIONS AND PAPERS

Schettino, C. (2011). Teaching Geometry with Problem-Based Learning. *Mathematics Teacher*, 105 (5), 346-351.

Schettino, C. (2010). Revealing dialogue in a Problem-Based Learning classroom: The perspective of a pedagogy of feminist relation. (In review).

Schettino, C. (2010). Dewey, dying and the continuity of experience. *Insights: the Newsletter of the John Dewey Society*, 42 (1).

Schettino, C. (2005). The case for Problem-Based Instruction: Improving girls' mathematics learning in a single-sex environment. (Reviewed & Returned for Revision)

Schettino, C. (2003). Transition to a problem-solving curriculum. *Mathematics Teacher*, 96 (8), 534-7.

CONFERENCE PRESENTATIONS

'Problem-Based Learning: Empowering & Engaging Students in Mathematics'

Key Note Address, Independent Schools of Ontario Mathematics Association (ISOMA) Conference, Toronto, Ontario, CA

January 2013

'Scaffolding Problems for Optimal Learning in PBL'

ISOMA Conference, Toronto, Ontario, CA

January 2013

'Moving Forward with Problem-Based Learning'

Anja S. Greer Conference on Mathematics, Science and Technology, Exeter, NH

June 2012

'Using Problem-Based Learning to Engage High School Students'

11th Annual Discrete Math Conference, sponsored by Boston College Mathematics Institute and Rutgers University, Chestnut Hill, MA

March 2012

'Encouraging Reasoning and Sense Making with Problem-Based Learning'

Infusing the Classroom with Reasoning and Sense Making: an NCTM Interactive Institute on High School Mathematics, Orlando, FL

July 2011

'Revealing Dialogue in a Feminist Mathematics Classroom: A Framework for a Pedagogy of Feminist Relation', Paper accepted for presentation at GEA Conference 2011, Gender and Education Association, University of Exeter, Exeter, United Kingdom

April 2011

'Improving Classroom Discourse to Support Communication, Equity, and Students' Agency'

NCTM Annual Meeting and Exposition, Indianapolis, IN

April 2011

'Problem-Based Learning (PBL): A Transformed Perspective for Standards-Based Geometry'

NCTM Annual Meeting and Exposition, Indianapolis, IN

April 2011

<i>'Creating a Geometry Classroom based on the Relational Learning of Girls'</i> New York State Independent Schools Conference on Educating Girls, New York, NY	January 2011
<i>'A Framework for the Feminist Relational Mathematics Classroom'</i> 19 th Annual Women in Society Conference, Marist College, Poughkeepsie, NY	October 2010
<i>'Revealing Dialogue in a Problem-Based Learning Classroom: A Pedagogy of Feminist Relation'</i> Harvard Graduate Student Research Conference, Harvard Graduate School of Education, Cambridge, MA	March 2010
<i>'Problem-Based Learning: Engagement and Empowerment for the 21st Century Classroom'</i> Anja S. Greer Conference for Mathematics, Science and Technology, Exeter, NH	June 2009/10/11
<i>'Curious About Problem-Based Learning?' & 'Advanced PBL Writing Workshop'</i> Anja S. Greer Conference for Mathematics, Science and Technology, Exeter, NH	June 2008
<i>'Curious About Problem-Based Learning?'</i> Anja S. Greer Conference for Mathematics, Science and Technology, Exeter, NH	June 2007
<i>"Journal Writing as a Connection to Girls' Understanding of Problem Solving"</i> Speaker proposal selected for alternate status, NCTM National Conference	April 2005
<i>'Rebuilding Geometry Curriculum Utilizing Geometer's Sketchpad'</i> Association of Teachers of Independent Schools Annual conference and Book Exhibit	May 1995

MEMBERSHIPS AND SERVICE

Presider at conference session, *Classroom Discourse*, Psychology of Mathematics Education – North America Conference, Kalamazoo, Michigan, November 2012

Advisory Panel Member for NSF CCLI Grant Proposal *Discovering the Art of Mathematics: Inquiry-Based Learning in Mathematics for Liberal Arts*, Westfield State University Mathematics Department

American Educational Research Association, 2009-present

Special Interest Groups:

- Critical Examination of Race, Ethnicity, Class and Gender
- Research in Mathematics Education
- Problem-Based Learning

National Council of Teachers of Mathematics, 1991-present