

PATRICK J. EGGLETON

EDUCATION

- 1991-1995 The University of Georgia, Athens, Georgia
Ph. D. in Mathematics Education, June 1995
- 1988-1991 University of South Florida, Tampa, Florida
M. Ed. in Mathematics Education, August 1991
- 1984-1987 University of South Florida, Tampa, Florida
B.S. in Mathematics Education, August 1987
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PROFESSIONAL EXPERIENCE

- 2016 - Taylor University, Associate Professor of Mathematics, Upland, IN
- 2007- 2016 Numonohi Christian Academy, Mathematics Teacher/Elementary Principal
Goroka, Eastern Highlands Province, Papua New Guinea
- 2014-2015 Assistant Professor of Mathematics Education, Ball State University, Muncie, IN
- 1999-2007 Huntington University, Associate Professor of Mathematics Education,
Huntington, IN
- 1995-1999 Berry College, Assistant Professor of Mathematics Education,
Mount Berry, Georgia
- 1993-1995 University of Georgia, Research and Teaching Assistant for the NSF funded
project RADIATE (*Research and Development Initiatives Applied to Teacher
Education*), Directed by Dr. Thomas Cooney and Dr. Patricia Wilson
- 1993 Truett-McConnell College, Precalculus Instructor, Watkinsville, GA
- 1991-1992 Clarke Central High School, AP Calculus Instructor, Athens, GA
- 1987-1991 Pasco Comprehensive High School, Mathematics Teacher, Dade City, FL
- 1988-1991 Pasco-Hernando Community College, Dual-enrollment Instructor in Calculus,
Dade City, FL

PUBLICATIONS

Journal Articles

- "Exploring Exponents." *Indiana Mathematics Teacher*. Winter/Spring (2018). 16-17.
- "Developing the Underutilized Mathematical Strengths of Students." *Association of Christians in the Mathematical Sciences Proceedings*, 21 (2018). 71-76.
- "Building Others Up: A Nurturing Approach to Assessing Student Progress." *The Christian Teacher's Journal*, 19:2 (May 2011).
- With Sheryl Stump, Michael Roach, and Kay Roebuck. "Algebra End-of-Course Assessment: Expectations for Student Learning." *Indiana Mathematics Teacher*. 22:1 (2007). 24-27.
- "Creating Better Problem Solvers: My Top 10 Strategies." *Indiana Mathematics Teacher*. 22:1 (2007). 7-15.
- "The Rabbi's Results: Instruction that is Life Impacting." *Teachers of Vision*, 51:3 (2005). 4,15.
- With Sheryl Stump, Michael Roach, and Kay Roebuck. "Algebra End-of-Course Assessment: Issues and Recommendations." *Indiana Mathematics Teacher*. 20:1 (2005). 10-12.
- "Some Hints for Developing Better Problem Solvers from the Harvard Graduate School of Education." *Indiana Mathematics Teacher*. 18:1 (2003). 4-5.
- "Triangles ala Fettuccine: A Hands-on Approach to Triangle-Congruence Theorems." *Mathematics Teacher* 94 (2001), 534-537.
- With Carla Moldavan. "The Value of Mistakes." *Mathematics Teaching in the Middle School*. 7 (2001), 42-47.
- "Experiencing Radians." *Mathematics Teacher* 92 (1999), 468-471.
- "Gaining Insight Into Teacher Education Through the Eyes of Students." *GATEways to Teacher Education* 9 (1996): 42-66.
- With Zhonghong Jiang. "A Brief Comparison Between U.S. and Chinese Middle School Mathematics." *School Science and Mathematics* 95 (1995), 187-194.
- "Evolution of a Mathematical Philosophy: The Story of One Secondary Mathematics Preservice Teacher." In *Proceedings of the Seventeenth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, vol. 2, edited by D. T. Owens, M. K. Reed, & G. M. Millsaps, 79-84. Columbus, OH: ERIC Clearinghouse for Science, Mathematics, and Environmental Education, 1995.
- With Zhonghong Jiang. "A Brief Comparison Between U.S. and Chinese Middle School Mathematics." *The Mathematics Educator* 5 (1994), 3-9.
- "Motivation: A Key to Effective Teaching." *The Mathematics Educator* 3 (1992), 9-14.

Dissertation

The Evolving Mathematical Philosophy of a Preservice Mathematics Teacher. Athens, GA: The University of Georgia, 1995.

PROFESSIONAL PRESENTATIONS

International and National Presentations

Inspiring Students to Pursue Careers in Mathematics. (October 20, 2017) National Council of Teachers of Mathematics, Orlando, FL.

Influence on Students' Dispositions Toward Mathematics. (June 1, 2017) Association of Christians in the Mathematical Sciences, Charleston, SC.

Dealing with Bullies and Cliques. (September 23, 2013) NCA Teacher Inservice, Numonohi Christian Academy, Goroka, Papua New Guinea

Using Assessments to Guide Instruction. (July 16, 2010) Professional Focus Weekend, Ukarumpa International School, Kianantu, Papua New Guinea.

Data Sharing and Calculator Programs to Enhance Statistics. (February 16, 2007) International Conference on Technology in Collegiate Mathematics, Boston, MA

LOGO: Learning Problem Solving with a Turtle. (March 18, 2005). Teachers Teaching with Technology (T³) International Conference, Washington, D. C.

The Spider and the Fly: Meaningful Number Sense Games Using any Calculator. (March 18, 2005). Teachers Teaching with Technology (T³) International Conference, Washington, D. C.

Creating Better Problem Solvers! (April 22, 2004). National Council of Teachers of Mathematics Annual Meeting, Philadelphia, PA.

Adapting Instruction to Meet Student Needs. (May 19-30, 2002). Beijing Institute of Technology Faculty Workshops. Beijing, China.

Teacher Education Reform in Collaboration with the Liberal Arts Faculty. (February 26, 1999). American Association of Colleges for Teacher Education (AACTE) 1999 Annual Meeting, Washington, D.C.

Evolution of a Mathematical Philosophy: The Story of One Secondary Mathematics Preservice Teacher. (October, 1995). Seventeenth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.

Project RADIATE, Part 2: Structuring Experiences in Secondary Teacher Education. (April, 1995). National Council of Teachers of Mathematics Annual Meeting, Boston, MA.

Regional and Local Presentations

- Inspiring Students to Pursue Careers in Mathematics. (October 7, 2016). Indiana Council of Teachers of Mathematics Conference, Indianapolis, IN
- Algebra I End-of-Course Assessment: Observations and Recommendations. (October 23, 2006). Indiana Council of Teachers of Mathematics Conference, Indianapolis, IN
- Problem Solving Inservice Workshop. (February 25, 2005) Triton Middle School, Fairland, IN.
- Creating Better Problem Solvers! (October 17, 2004). Indiana Council of Teachers of Mathematics Annual Meeting, Indianapolis, IN.
- Triangles ala Fettuccini. (January 27, 2003). National Council of Teachers of Mathematics Regional Conference, Indianapolis, IN.
- The Star Trek Tri-Corder's Grandparent: CBL/CBR Activities for the Algebra/Integrated Math Class. (July 25, 2002). Indiana Council of Teachers of Mathematics 2001 Annual Conference. Indianapolis, IN.
- When in Greece...Learning Mathematics Through History. (November 2001). Indiana Council of Teachers of Mathematics 2001 Annual Conference. Indianapolis, IN.
- Triangles ala Fettuccini. (August 9, 2001). National Council of Teachers of Mathematics Regional Conference, Laramie, WY.
- The Mathematical Workout: Active Mathematics that Builds Deeper Conceptual Understandings. (November 6, 2000). Indiana Council of Teachers of Mathematics 2000 annual conference. Indianapolis, IN.
- Developing Statistical Concepts with the TI-82/83 and the Internet. (March 12, 1999). Southeastern Section Meeting of the Mathematical Association of America. Memphis, TN.
- Exploring Mathematics on a Tight Budget. (October 16, 1998). Georgia Council of Mathematics Teachers Conference. Rock Eagle, GA. (Given a special invitation to return to present based on response from the 1997 presentation.)
- Learning to Teach Mathematics Rather Than Memorization. (October 16, 1997). Georgia Council of Mathematics Teachers Conference. Rock Eagle, GA.
- Evolution of a Mathematical Philosophy: Mathematics Instructors Confronted with Reform. (March 15, 1997). Regional Mathematical Association of America meeting. Atlanta, GA.
- The Georgia Framework for Learning Mathematics and Science. (December 20, 1996). Armuchee Middle School.
- Investigating ... Exploring ... Experiencing Mathematics. (October 11, 1996). Regional American Mathematical Society meeting. Chattanooga, TN.
- Empowering Students' Mathematics Using Hands-on Activities. (October 13, 1995). Bartow County Mathematics Conference. Cartersville, GA.

Developing Understandings of Functions through a Telescope Experiment. (October 13, 1995).
Bartow County Mathematics Conference, Cartersville, GA.

Technology in Teacher Education (Project RADIATE). (November, 1994). EMT: 30 Years of
Excellence Conference, Athens, GA.

The Standards. They're Great! But Not in My Class! (October, 1994). Carolina Mathematics
Conference, Charlotte, NC.