

October 2009

## **Eileen Durand Faulkenberry, Ph.D.**

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### **Education:**

- ❖ Ph.D., Professional Educational Studies, with emphasis in Mathematics Education, Oklahoma State University, 2003.
- ❖ M.S., Mathematics, Oklahoma State University, 2001.
- ❖ B.S. Mathematics *summa cum laude--Honors*, Henderson State University, 1996.

### **Employment:**

- ❖ Associate Professor, Mathematics, Texas A&M University-Commerce, 2009 – present
- ❖ Assistant Professor, Mathematics, Texas A&M University-Commerce, 2003 – 2009
- ❖ Instructor, Mathematics, Oklahoma State University, 2001 – 2003
- ❖ Director, Calculus Session, College of Engineering, Oklahoma State Univ., 1999 – 2003
- ❖ Math Supervisor, Reading and Math Center, Oklahoma State University, 2000 – 2001
- ❖ Graduate Assistant, Mathematics, Oklahoma State University, 1997 – 2000
- ❖ Graduate Assistant, Mathematics, Henderson State University, 1996 – 1997
- ❖ Tutor, Mathematics, Henderson State University, 1993 – 1996

### **Grants and Projects:**

- ❖ Project Director, Mathematics, Science, and Technology Teacher Preparation Academies Grant, awarded by the Texas Higher Education Coordinating Board. 2009-2011, \$685,000.
- ❖ Director, Teacher Quality Grant, entitled “Preparing for Algebra in Grades K-8” awarded by Texas Teacher Quality Grants program. 2009-2011, \$240,000.
- ❖ Director, Teacher Quality Grant, entitled “In-Depth Middle School Mathematics” awarded by Texas Teacher Quality Grants program. 2008-2009. \$87,000.
- ❖ Texas A&M University-Commerce Faculty Development Travel Grant. Spring 2008. \$500.
- ❖ Director, Teacher Quality Grant, entitled “Concepts and Instructional Strategies for Data Analysis, Probability and Statistics” awarded by Texas Teacher Quality Grants program. 2007-2008. \$87,000.
- ❖ Director, Teacher Quality Grant, entitled “Concepts and Instructional Strategies for Algebraic Thinking” awarded by the Texas Higher Education Coordinating Board. 2006-2007. \$85,000.
- ❖ Co-Director, Math TEKS Awareness and Teaching with Math TEKS through Technology Trainer of Trainers Package Development and Delivery Project (TMT3) awarded by the Texas Education Agency, 2005-2006. \$984,000.
- ❖ Director, Teacher Quality Grant, entitled “Concepts and Instructional Strategies for Geometry and Measurement” awarded by the Texas Higher Education Coordinating Board. 2005-2006. \$82,000.
- ❖ Principal Investigator, Regent’s Initiative Grant entitled “Integrating Manipulatives in Mathematics” awarded January 2005. \$17,500.
- ❖ Co-Principal Investigator, Regent’s Initiative Grant entitled “Collaborative for Improvement of Student Mathematics Achievement” awarded 2004. \$15,000.
- ❖ Mathematics Supervisor, Service Learning Project with Greenville Middle School, 2004.
- ❖ Director, Teacher Quality Grant entitled “Concepts and Instructional Strategies of Middle School Mathematics, Part I” awarded jointly by the Texas Higher Education Coordinating Board and the Texas Education Association. 2004-2005. \$80,000.

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**Publications:**

Durand Faulkenberry, E., and Faulkenberry, T. J. (in press). Transforming the way we teach function transformations. *Mathematics Teacher*.

Durand Faulkenberry, E. (2006) Professional Development Collaboratives, Policy brief for Texas Education Agency.

Durand Faulkenberry, E., and Faulkenberry, T. J. (2006). Constructivism in Mathematics Education: A Historical and Personal Perspective. *The Texas Science Teacher*, 35, 17-22.

Gaines, M., Durand Faulkenberry, E., Jackson, A., and Jackson, S. (2005). Establishing a K-16 Regional Collaborative for Student Mathematics Improvement. *National Forum of Teacher Education Journal*, 18, 36-49.

Durand, E., Elsasser, S., Ramsey, S. (2001). *Correlation of Project WET to the Oklahoma Priority Academic Student Skills (PASS)—A Guide for Educators*. (Oklahoma Project WET and The Oklahoma Conservation Commission). Oklahoma City, OK.

Durand, E. (1999). *Functions and Change: A Correspondence Course for Oklahoma State University*, Stillwater, OK.

**Presentations:**

- ❖ “Assessing Communities of Practice” presented at the Conference for the Advancement of Mathematics Teachers (CAMT) in Houston, TX, July 15-17, 2009.
- ❖ “Building Communities of Practice” presented at the Annual Conference of the Research Council on Mathematics Learning (RCML) in Rome, GA, March 5-7, 2009.
- ❖ “An Assessment of the Mathematical Knowledge of Elementary Preservice Teachers with regard to Number and Operation” presented to the University of Texas at Arlington Mathematics Education Seminar on April 25, 2008.
- ❖ “Assessing Elementary Mathematics Preservice Teachers’ Knowledge of Number and Operation” presented at the Annual Meeting of the Texas Section of the Mathematical Association of America (MAA) in Stephenville, TX, April 3-5, 2008.
- ❖ “An Assessment of the Mathematical Knowledge of Elementary Preservice Teachers with Regard to Number and Operation” presented at the Annual Conference of the Research Council on Mathematics Learning (RCML) in Oklahoma City, OK, March 6-8, 2008.
- ❖ Panel Discussion, “Basic Skills for Facilitating Student Learning” Faculty Development Workshop, Texas A&M University—Commerce, November 15, 2007.
- ❖ “Mathematical Illusions”, Texas A&M University—Commerce Honors Colloquium, Commerce, TX, September 2007.
- ❖ “Math on a Notecard”, Texas A&M—Commerce Math Club, March 1, 2007.
- ❖ Invited Address, P-16 Educational Improvement Consortium Regional English Language Learners Conference, Commerce, TX, January 2006.
- ❖ Invited Address, UT Dana Center’s Higher Education Conference, Austin, TX, November 18, 2005.
- ❖ P-16 Educational Improvement Collaborative Retreat, Kauffman, TX, June 1-3, 2005.
- ❖ Mathematical Association of America—Texas Section, Arlington, TX, April 2005.
- ❖ Conference on the Advancement of Mathematics Teaching, San Antonio, TX, July 2004.
- ❖ Mathematical Association of America—Texas Section, Corpus Christi, TX, April 2004.
- ❖ T<sup>3</sup> International Conference, New Orleans, LA, March 2004.
- ❖ Research Council of Mathematics Learning, Oklahoma City, OK, February 2004.
- ❖ T<sup>3</sup> Regional Conference, Kilgore, TX, November, 2003.
- ❖ MAA—Oklahoma/Arkansas Section, Tulsa, OK, April 2003.
- ❖ MAA—Oklahoma/Arkansas Section, Arkadelphia, AR, April 2002.
- ❖ National Council of Teachers of Mathematics Southern Regional Conference, Oklahoma City, OK, February 2002.
- ❖ MAA—Oklahoma/Arkansas Section, Edmond, OK, April 2001.
- ❖ Joint Mathematics Meeting, Washington, D. C., January 2000.
- ❖ International Conference on Technology in Collegiate Mathematics, San Francisco, CA, November, 1999.

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- ❖ Nebraska-Oklahoma State Annual Multi-Media Mathematics Across the Curriculum Conference, Lincoln, NE, October 1999.
- ❖ Mathematical Sciences and Their Applications Throughout the Curriculum Conference, Bloomington, IN, July 1999.
- ❖ Calculator-Based Laboratory Experiments in Undergraduate Mathematics Conference, Stillwater, OK, June 1999.
- ❖ Columbus State University Mathematical Modeling Conference, Columbus, GA, April 1999.
- ❖ Mathematical Association of America, Oklahoma/Arkansas Section, Edmond, OK, March 1999.
- ❖ Oklahoma State University Graduate Mathematics Weekend; Stillwater, OK, February, 1999.
- ❖ Joint Mathematics Meeting, San Antonio, TX, January 1999.
- ❖ International Conference on Technology in Collegiate Mathematics, New Orleans, November, 1998.
- ❖ Nebraska-Oklahoma State Annual Multi-Media Mathematics Across the Curriculum Conference, Kansas City, KS, October 1998.
- ❖ Arkansas Council of Teachers of Mathematics State Conference, Little Rock, AR, November 1996.
- ❖ National Council of Teachers of Mathematics Southern Regional Conference, Houston, TX, Fall, 2005.
- ❖ Arkansas Council of Teachers of Mathematics State Conference, North Little Rock, AR, November 1995.

### **Professional Development Presentations:**

- ❖ AlgeBlocks Workshop for Commerce ISD, Commerce, TX, January 24, 2009.
- ❖ AlgeBlocks Workshop for Broken Bow, OK School District, Broken Bow, OK, Feb 2, 2008.
- ❖ Teaching Math TEKS Through Technology—Geometry, Commerce, TX, June 15, 2007.
- ❖ Teaching Math TEKS Through Technology—Algebra, Commerce, TX, June 8, 2007.
- ❖ Teaching Math TEKS Through Technology—Middle School Training of Trainers, Commerce, TX, February 16-17, 2007.
- ❖ Teaching Math TEKS Through Technology Training of Trainers, San Antonio, TX, June 5-9, 2006.
- ❖ AlgeBlocks workshop, Commerce, TX, April 29, 2006.
- ❖ Integrating Manipulatives into Curriculum, Professional Development for Blue Ridge ISD, April 1, 2006
- ❖ Teaching Math TEKS Through Technology Training of Trainers, Austin, TX, February 1-2, 2006.
- ❖ Teaching Math TEKS Through Technology Training of Trainers, Houston, TX, December 12-16, 2005.
- ❖ Power UP! Professional Development Conference, Grapevine, TX, July 25-26, 2005.

### **Professional Service:**

Conference Committee, Research Council on Mathematics Learning, 2009.  
Member, Advisory Board, Texas College Mathematics Journal, 2006-2008, chair: 2008-2009.  
Member, Advisory Board, P-16 Educational Improvement Consortium, 2005-2007.  
Presider, National Council of Supervisors of Mathematics National Conference, St. Louis, MO, April 2006.  
Program Co-Chair, Southern Regional Conference, National Council of Teachers of Mathematics, Oklahoma City, OK, 2002.

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**Professional Recognitions, Memberships:**

- ❖ Texas A&M University System Teaching Excellence Award, Spring 2009.
- ❖ MAA-Texas Section, Project NExT Fellow, 2003 – 2005
- ❖ National Council of Teachers of Mathematics, 1996 – present
- ❖ Mathematical Association of America, 1997 – present
- ❖ National Council of Supervisors of Mathematics, 2003 – present
- ❖ Research Council on Mathematics Learning, 2007 – present

**University Committees:**

- ❖ Curriculum Committee, Mathematics Department, Chair.
- ❖ Texas A&M University-Commerce Council on Educator Preparation.
- ❖ Texas A&M University-Commerce Teacher Education Admission, Retention, & Appeals Committee (TEARAC).
- ❖ Mayo Scholarship Committee.
- ❖ Mathematics for Elementary Teachers Textbook Committee, Chair.
- ❖ College Algebra Textbook Committee, Chair.
- ❖ Greater Texas Foundation Grant writing team.
- ❖ NSF Noyce Scholarship Grantwriting Committee, Principal Investigator.
- ❖ Science and Technology Building Dedication Committee, Events Co-Chair.
- ❖ College of Arts and Sciences Winter Planning Retreat committee.

**Awards, Scholarships, and Honors:**

- ❖ Schiller J. Scroggs Distinguished Graduate Fellowship, 1998.
- ❖ Presidential Scholarship, 1992-1996.
- ❖ Governor's Scholar, 1992-1996.
- ❖ Ben Thaxton Math and Computer Science Scholar, 1994-1996.
- ❖ Freshman Math Award, 1992.