

Deborah Ann Pace
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Education

- **Ph.D.** University of Texas at Arlington, Mathematical Sciences
Dissertation: Stability Theory of Vector Lyapunov Functions
- **M.A.** University of Texas at Arlington, Mathematics
- **B.A.** University of Texas at Arlington, Mathematics

Employment

- 2008-present Professor and Chair, Department of Mathematics and Statistics, Stephen F. Austin State University (SFASU)
- 2006-2008 Professor and Assistant Chair, Department of Mathematics and Statistics
- 2002-2006 Associate Professor and Assistant Chair, Department of Mathematics and Statistics, SFASU
- 2001-2002 Project Director and Research Fellow, Mathematics Higher Education Initiatives, The Charles A. Dana Center, The University of Texas at Austin, (one-year leave of absence from SFASU)
- 1999-2001 Assistant Professor and Assistant Chair, Department of Mathematics and Statistics, SFASU
- 1997-1999 Assistant Professor, Department of Mathematics and Statistics, SFASU
- 1996-1997 Visiting Assistant Professor, SFASU
- 1987-1996 Senior Lecturer, University of Texas at Tyler
- 1982-1987 Part-time Instructor, Tyler Junior College and University of Texas at Tyler
- 1976-1980 Instructor, Tyler Junior College

Selected Presentations

- Student and sponsor sessions: *Expanding Your Horizons in Math and Science*, intervention project for middle school girls, 1996 and 1999.
- Poster session: *Show-Me Conference* focusing on exemplary mathematics programs for middle school mathematics teachers, funded by the National Science Foundation (NSF), Branson, Missouri, 2000.
- Annual meeting: Texas Association of Academic Administrators (TAAAMS) on *Supporting and Strengthening Mathematics Teacher Preparation (S³MTP)*, a project of the Charles A. Dana Center funded by the U. S. Department of Education (DOE), Fund for the Improvement of Postsecondary Education (FIPSE), 2001 and 2002.
- Participant session: *Algebraic Thinking* at the Sam Houston State University 6-12 Conference, Huntsville, 2002.
- Participant session: **S³MTP**, *In-Depth Secondary Mathematics (IDSMT)* and *Advanced Mathematics Educational Support (AMES)* projects at the spring meeting of the Texas Section of the Mathematical Association of America (MAA), 2002.
- Participant session: *In-Depth Secondary Mathematics* professional development institute at the Conference for the Advancement of Mathematics Teaching (CAMT), 2002.
- Invited presentation: *Mathematics Teacher Professional Development Projects*, Teacher Quality Grants Workshop, a project of the Texas Higher Education Coordinating Board (THECB), 2002.

- Participant session: *Secondary Teacher Preparation: Responding to Mandates for Change*, spring meeting of Texas Section of the MAA, 2002.
- Participant session: *TxMSMP*, SFASU's NSF-funded Math/Science Partnership (MSP) project, spring meeting of the Texas Section of the MAA, 2003.
- Panel presentation: *Outreach in Mathematics*, fall meeting of TAAAMS, Baylor University, 2004.
- Poster session: *TxMSMP*, SFASU's NSF-funded MSP project, MSP Learning Network Conference, Washington D.C., 2004.
- Invited presentation (co-presenter with Kimberly Childs, Al Cuoco, and Glen Stevens): *Developing Challenging Math and Science Courses for Preservice Teachers*, MSP Learning Network Conference, Washington D.C., 2004.

Selected Professional Service and Consulting

- Consultant: K-12 professional development workshops, Region VII Service Center, 1990 - 1997.
- Coordinator/editor: SFASU Departmental Self-Study Report for Southern Association of Colleges and Schools (SACS) 2000 accreditation, 1999.
- Consultant: SFASU's inservice teacher education project, *Mathematical Patterns and Relationships: Collaborative Investigations*, Eisenhower Mathematics and Science Grants Program. Project period: June 1998-May 1999.
- Consultant: SFASU's inservice teacher education projects, *Connecting Geometry and Algebra for the Middle and Secondary Student* and *Connecting Arithmetic and Geometry for Elementary Students*, Eisenhower Mathematics and Science Grants Program. Project period: June 2001-May 2002.
- Consultant/Instructor: *Algebraic Thinking Grades 3, 4, and 5: What Is It?*, University of Texas at Tyler (UTT) inservice teacher education project, Eisenhower Mathematics and Science Grants Program. Project period: June 2001-May 2002.
- Department Liaison to the MAA: 1999 – 2008.
- Field Advisor: ExCET and TExES, statewide teacher certification examinations, 1999 – 2008.
- Invited participant: *Cooperative Learning in Undergraduate Mathematics Education (CLUME)*, a two week MAA summer workshop funded by the NSF, 1997-1998.
- Member: Nominating Committee for the Governor of the Texas Section of the MAA, 2001.
- Member: Advisory Committee for development of *Secondary Mathematics from an Advanced Standpoint*, a TEXTEAMS (Texas Teachers Empowered for Achievement in Mathematics and Science) secondary teacher professional development institute, funded through the Charles A. Dana Center for Education Innovation, UT Austin, 2000 – 2001.
- Member: Higher Education Advisory Board, Charles A. Dana Center, 2000 – 2001.
- Project Director: Charles A. Dana Center's higher education project, *Supporting and Strengthening Standards-based Mathematics Teacher Preparation (S³ MTP)*, funded by FIPSE, U. S. DOE, funding period October 2001 - September 2004.
- Consultant/Instructor: Whitehouse ISD, secondary teacher professional development, 2004.
- Invited participant: *Mathematical Education of Teachers Summit II Conference*, examining challenges in policy and practice related to high-quality mathematics teaching, Atlanta, Georgia, January 2005.
- Invited participant: *Education Policy Forum*, examining challenges in policy and practice related to high quality mathematics teaching, Alexandria, VA, June 2005.

Publications

- Pace, D. with Mitchell, R. W. (1997). "Generalized Stability of Motion and Vector Lyapunov Functions." *Nonlinear Systems and Applications, an International Conference*. Ed. V. Lakshmikantham. New York: Academic Press, Inc., pp. 631-645.
- Pace, D. with Mitchell, A. R. (1997). *Foundations of Mathematics*. University-published; used in two upper-level mathematics courses at UTT, proceeds supporting student scholarships.

- Pace, D. with Adams, J. and Childs, K. (1997) *Reform in Mathematics: Implementing New Mathematics Curriculum for Elementary Certification*. Submitted on request of the U. S. Department of Education Mathematics Supervisor.
- Pace, D. with Hull, S. (2001). *The Texas Experience: Collaborative Pathways to Reform*, prepared for invited presentation at the National Summit on the Mathematical Education of Teachers: Meeting the Demand for High Quality Mathematics Education in America.
- Pace, D. with Adams, J., Childs, K., and Miller, G. (2003). *Rethinking Secondary Mathematics: Statistical Reasoning Across the TEKS*, a TEXTEAMS secondary teacher professional development institute, funded through the Charles A. Dana Center for Education Innovation, UT Austin.
- Pace, D. (editor and co-author) with Beverly, L., Bryan, T., Childs, K., Epperson, J., Kribs-Zaleta, C. (2004). *Supporting and Strengthening Standards-Based Mathematics Teacher Preparation: Guidelines for Mathematics and Mathematics Education Faculty*. The Charles A. Dana Center for Education Innovation, UT Austin.
- Pace, D. with Childs, K. (2005). *Logic and Functions*. University-published; used in course for middle-level mathematics teacher preparation, proceeds supporting student scholarships.
- Pace, D. with Adams, J. and Epperson, J (2005). *Supporting Mathematics Teacher Education: Policy Recommendations*. Charles A. Dana Center for Education Innovation, UT Austin.
- Pace, D. with Childs, K. and Jenlink, K. (2005). The Texas Middle and Secondary Mathematics project: A Vision for Mathematics Education Preparation in the 21st Century. *Teacher Education and Practice*, Texas Association of Colleges for Teacher Education, 17(4), 451-464.

Grants

- Co-author/Project PI: Texas Statewide Systemic Initiative curriculum-writing project at UTT for preservice elementary teachers, 1996.
- Co-author/Consultant: Texas Statewide Systemic Initiative implementation grant for preservice elementary teachers, UTT and SFASU, 1996-1997.
- Co-author/Instructor: SFASU inservice teacher education project, *Mathematical Patterns and Relationships: Exploring Connections*, funded by the Eisenhower Mathematics and Science Grants Program. Project period: June 1999-May 2000.
- Co-author/Consultant: SFASU inservice teacher education project, *Mathematical Reasoning: Exploring Connections*, funded by the Eisenhower Mathematics and Science Grants Program. Project period: June 2000-May 2001.
- Co-author/Instructor: SFASU inservice teacher education project, *A Renewed Focus on the Preparation of the Elementary Specialist: Seminars in Geometry and Algebra*, funded by the Eisenhower Mathematics and Science Grants Program. Project period: June 2000-May 2001.
- Co-PI: *Texas Middle and Secondary Mathematics Project (TxMSMP)*, \$3 million NSF-funded grant awarded under the MSP Initiative; responsible for oversight of secondary mathematics curriculum and instruction and for development of curriculum for summer math camps for high school students. Project period: 2003-2007.
- Co-PI: Two supplemental funding awards for the *TxMSMP*; \$800,000 for continued evaluation and development of mathematics teacher leaders (master teaching fellows). Project periods: 2007-2013.
- Co-PI: *Texas LIMIT*, \$ 1.5 million NSF-funded project to build mathematics teacher leaders; responsible for oversight of mathematics curriculum and professional development activities. Project period: 2009-2014.