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DEGREES AND LICENSES

The Florida State University
Ph.D. Mathematics Education and Computer Education
Western Connecticut State University
M.S. Ed. Mathematics Education
University of Massachusetts at Boston
B.S. Science Education and Mathematics Education

North Carolina Teaching Licenses:
Grades 6-9 Mathematics
Grades 9-12 Mathematics
Grades 6-9 Science
Grades K-12 Computers

PROFESSIONAL EXPERIENCES

1997- Professor, Mathematics Education, North Carolina State University
1992 Associate Professor, Mathematics Education
1990 Assistant Professor, Mathematics Education
1987- Director, Center for Research in Math and Science Education
North Carolina State University
1985 Coordinator, Center for Research in Math & Science Education
1982 Graduate Student and Graduate Assistant, Florida State University
1973-81 Editor, Writer and Consultant in Educational Delivery Systems;
Carkhuff Associates and HRD Press, Amherst, MA
1967-69 Mathematics Teacher, Ridgefield, CT

HONORS AND LEADERSHIP

- 2007 Elected to Sigma Xi E
- 2005 Alexander Quarles Holladay Medal of Excellence – NCSU Board of Trustees
- 2004 Chair, International Research Conference to Investigate Mathematical Reasoning
- 2004 Co-Chair, Association of Women Faculty, NC State University
- 2003 UNC Board of Governors' Nominee for Carnegie Scholars Program
- 2002 Visiting Research Fellow, Queensland University of Technology, Brisbane, AUS
- 2001 Faculty Chair, College of Education, NC State University
- 2000 Advisory Board Member, Robert B. Davis Institute for Learning, Rutgers
- 1998 Chair, Psychology of Mathematics Education - North American Chapter
- 1997-99 Steering Committee Member, Psychology of Mathematics Education – North American Chapter
- 1996 Elected to Phi Kappa Phi
- 1995-97 Secretary of Mathematics Education Research SIG, American Education Research Association
- 1994 Preparing for the Professorate - Dean of NCSU Graduate School
- 1993 NCSU Alumni Outstanding Outreach and Extension Award
- 1992 NCSU Outstanding Outreach and Extension Award

PROFESSIONAL ORGANIZATIONS

American Education Research Association [AERA]
 AERA Special Interest Group in Mathematics Education
 Psychology of Mathematics Education-North America [PME-NA]
 Psychology of Mathematics Education-International Group [PME]
 Association of Teacher Educators in Europe [ATEE]
 National Council of Teachers of Mathematics
 School Science and Mathematics Association
 Research Council for Diagnostic and Prescriptive Mathematics
 North Carolina Council of Teachers of Mathematics

RECENT GRANTS AND FUNDED PROJECTS

Total Number of Grants = 43

Total Funds Obtained = \$6,694,752

- 2006 Principal Investigator – National Science Foundation, \$513,000. Markers of STEM Success [MOSS]: An Eleven Year Longitudinal Study of High Achieving Young Women's Interests, Experiences, and Preparation for STEM Careers. September 1, 2006 - August, 2009.
- 2003 Co-Principal Investigator – National Science Foundation, \$688,941, Collaboration through Agile Software Development Practices: A Means for Improvement in Quality and Retention of the IT Workforce.

- 2002 Co-Principal Investigator – National Science Foundation, \$550,000, Women and Information Technology: A Comparative Study of Young Women from Middle Grades through High School and into College, August, 2002 – July, 2005.
Principal Investigator – Eisenhower Grant, \$30,000, Girls on Track Teacher Workshop, January, 2002 – June, 2003.
Co-Principal Investigator – National Science Foundation [\$230,000 subcontract with UNC-Chapel Hill], North Carolina Middle Math Project, January, 2002 – January 2004.
- 2001 Co-Principal Investigator – National Science Foundation, \$1,520,323 Tech*Know: Integrated Instructional Materials for Technological Literacy, August 2001 – July, 2005
- 2000 Program Evaluator - National Science Foundation, Mathematics: Easy as Pi. Durham Museum of Life and Science, September, 2000 - June, 2003.
- 1999 Principal Investigator - National Science Foundation, \$772,000: Girls on Track, September, 1999 - August, 2001.
- 1998 Principal Investigator-Eisenhower Grant, \$29,998: MathTECH for Teachers in Grades 4-8: Developing Teacher Leaders, January, 1998 - March, 1999.
- 1997 Principal Investigator-Burroughs Wellcome Fund, \$10,000: Exploring Science for Pre-College Students May, 1997 - April, 1998.
Principal Investigator- NSF and MSEN: \$34,447: Young Scholars Program Early Alert - North Carolina State University, February, 1997 - May, 1998.
- 1996 Principal Investigator-Eisenhower Grant, \$29,999: Exploring Geometry with Technology for Teachers of Grades 4-8. October, 1996-March, 1998.
Principal Investigator-MSEN and SDPI, \$9,000: Spring Fellowships for Teachers. January, 1996-May, 1996.
Principal Investigator-SDPI, \$11,000: Summer Institutes for Mathematics and Science Teachers. July, 1996-June, 1997.
Principal Investigator-Burroughs Wellcome Fund, \$10,000: Exploring Science for Pre-College Students May 1996-April 1997.
Principal Investigator- NSF and MSEN: \$34,447: Young Scholars Program Early Alert - North Carolina State University, February, 1996-May, 1997.
- 1995 Principal Investigator-MSEN and NSF, \$28,456: Young Scholars Program Early Alert - North Carolina State University, May 1995-May 1996.
Co-Principal Investigator, NSF, \$120,000: Collaborative Model for Technician Education through Interactive Technology - North Carolina Community Colleges, September 1995-August 1997.
- 1995 Principal Investigator - U.S. Office of Education: Field-Initiated Studies, \$80,000: Alternative Assessments: Action Research for Mathematics and Science Teachers. July 1994-December 1995.
Principal Investigator- Eisenhower Grant, \$34,999: Communicating in Mathematics and Science to Improve Student Performance Using a Teacher Leadership Model. October 1994-March 1995.
Project Director-NC State Department of Public Instruction, \$22,186: Alternative Assessments for Teachers of Mathematics and Science, March 1994-January 1995.

- Principal Investigator-MSEN and NSF, \$28,456: Young Scholars Program Early Alert - North Carolina State University, May 1994-July 1995.
- 1993 Project Director-NC State Department of Public Instruction, \$22,186: Alternative Assessments for Teachers of Mathematics and Science, March, 1993-December, 1993.
- Principal Investigator-MSEN and NSF, \$28,456: Young Scholars Program Early Alert - North Carolina State University, May 1993-July 1994.
- Project Director-NCSU and UNC-CH, \$6,500: Research Institute, May 1
- Principal Investigator-NC School of Science and Mathematics, \$45,000: Dissemination of Contemporary Calculus and Pre-Calculus, July, 1993 -August, 1996.
- 1992 Principal Investigator - Eisenhower Grant, \$30,400: "DELTA-A: Developing Lead Teachers for Alternative Assessment". October, 1992 -March, 1994.
- Principal Investigator - Assessment Subcontract from Agriculture & Life Science for the Howard Hughes Medical Institute, \$42,652: Initiatives in Undergraduate Biological Sciences Education. July, 1992 - June, 1997.
- Principal Investigator - Subcontract from MSEN for the National Science Foundation, \$25,010: Early Alert Initiative Young Scholars Project. May, 1991 - July, 1993.
- Project Director - NCSU, \$5,000: Research Institute 1992.
- Project Evaluator - Subcontract from NC School of Science and Mathematics for NSF, \$15,000: Contemporary Calculus Project. October, 1992 - July, 1994.
- 1991 Principal Investigator - Subcontract from MSEN for the National Science Foundation, \$169,328: TEACH-STAT: Teaching Statistics Grades 1-6. A Statewide Implementation Project. September, 1991 - January, 1995. (Also Co-Director of Research/Evaluation for Statewide \$1.5 Million Project.)
- Principal Investigator - NCSU-FRPD, \$3,350: The Effects of Active Learning Strategies on SAT-Math Scores of Minority & Majority High School Students. January - December, 1991.
- Principal Investigator - Subcontract from MSEN FIRST grant from Office of Education, \$4,500: Collecting Base-Line Data for a Leadership Paradigm: The Teacher-Leader Model. January, 1991 - July, 1991.
- Project Director - NCSU \$5,000: Research Institute 1991.
- 1990 Co-Principal Investigator - IBM Corporation, \$250,000: Preparing Mathematics and Science Teachers for the 21st Century in the IBM Classroom of the Future. June, 1990 - May, 1993.
- Co-Principal Investigator - The Ford Foundation, \$450,000: Catalyzing Mathematics Improvement in Middle Grades Schools. February 1990 - August, 1991.
- Principal Investigator - Eisenhower Grant, \$17,133: Improving SAT Scores of Minority Students Through Teacher Inservice Programs. January, 1990 - May, 1991.
- Co-Principal Investigator - Eisenhower Grant, \$19,120: Using Tool Software to Teach High School Mathematics from the North Carolina Mountains to the Coast. January, 1990 - December, 1990.
- Project Evaluator - Subcontract with NC School of Science and Mathematics from NSF, \$7,000: Sharetext. 1990-92.

- 1989 Principal Investigator - National Science Foundation, \$538,889: Preparing Mathematics and Science Teachers for the Twenty-First Century at North Carolina State University. February, 1989 - 1992.
- Principal Investigator - Title II, \$19,976: Using Tool Software to Teach High School Mathematics in Eastern and Western North Carolina, January – December, 1989.
- Principal Investigator - Microelectronics Center of NC, \$20,000: Using Tool Software to Teach High School Mathematics with NCREN, June - September, 1989.
- 1987 Co-Principal Investigator - National Science Foundation \$183,000: Improving Leadership Skills Among High School Mathematics Teachers with Collaborative Research (Using Computers as an Instructional Tool), 1987-1989.

REFEREED PROCEEDINGS AND BOOK CHAPTERS

- Berenson, S., Williams, L., Michael, J., & Vouk, M. (2007). Examining time as a factor in young women's Information Technology Career Decisions. In C. Burger, E. Creamer, & P. Meszaros (Eds.), *Reconfiguring the Firewall: Recruiting Women to Information Technology across Cultures and Continents*, pp 65-76, Wellesley, MA: AK Peters, Ltd.
- Howe A., Berenson, S, and M. Vouk, M. (2007). Changing the high school culture to promote interest in IT careers among high achieving girls. In C. Burger, E. Creamer, & P. Meszaros (Eds.), *Reconfiguring the Firewall: Recruiting Women to Information Technology across Cultures and Continents*, pp 51-64. Wellesley, MA: AK Peters, Ltd.
- Berenson, S., Droujkova, M., Slaten, K., & Tombes, S. (2005). Learning the language of mathematics teaching: Situating the educative experiences of prospective teachers in the domain of diverse learners. In S. Wilson (Ed.), *Proceedings of the Annual Meeting of the Psychology of Mathematics Education – North American Chapter*. Roanoke, VA: Virginia Tech.
- Person, A., Berenson, S., & Greenspon, P. (2004). The role of numbers in proportional reasoning: A prospective teacher's understanding. In B. Jaworski (Ed.), *Proceedings of the 28th Annual Meeting of PME*, pp. 3-156-164. Bergen, Norway. University of Bergen.
- Howe, A.C., & Berenson, S.B. (2003). High achieving girls in mathematics: What's wrong with working hard? In N. Pateman, B. Dougherty, & J. Zilliox (Eds.), *Proceedings of the 2003 Joint Meeting of PME and PME-NA*, pp. 3-87-93. Honolulu, HI: University of Hawaii.
- Berenson, S.B., & Nason, R. (2003). Using instructional representations of ratio as an assessment tool of subject matter knowledge. In N. Pateman, B. Dougherty, & J. Zilliox (Eds.), *Proceedings of the 2003 Joint Meeting of PME and PME-NA*, pp. 2-283-287. Honolulu, HI: University of Hawaii.
- Berenson, S.B. (2001). A methodology to study the lesson plan task and prospective teachers' ideas. M. Montane & J. Cambra (Eds.), *Papers of the 25th ATEE Annual Conference*. Barcelona, Spain: Col legi Oficial de Doctors.

- Berenson, S., Cavey, L., Clark, M., & Staley, K. (2001). Adapting Pirie and Kieren's model of mathematical understanding to teacher preparation. *Proceedings of the Twenty-Fifth Annual Meeting of the International Group for the Psychology of Mathematics Education*. Utrecht, NL: Fruedenthal Institute.
- Cavey, L.O., & Berenson, S.B. (2001). Enhancing prospective teachers' understanding of what and how to teach through small-group collaboration. *Proceedings of the Twenty Third Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Snowbird, UT.
- Coulombe, W.G., & Berenson, S.B. (2001). Representations of patterns and functions: Tools for learning. In A. Cuoco & F. Curcio (Eds.). *The roles of representation in school mathematics: 2001 Yearbook* (pp. 166-172). Reston, VA: NCTM.
- Berenson, S.B., & Cavey, L. (2000). Thought and action in context: An emerging perspective of teacher preparation. *Proceedings of the Twenty Second Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Tucson, AZ.
- Berenson, S.B. (1999). Students' representations and trajectories of probabilistic thinking. *Proceedings of the Twenty First Annual Meeting of the North America Chapter of the International Group for the Psychology of Mathematics Education*. Volume II, (pp. 459-465) Columbus, Cuernavaca, Mexico: Universidad Autonoma del Estado de Morelos.
- Berenson, S. B., Dawkins, K R., Blanton, M., Coulombe, W.N., Kolb, J., Norwood, K., & Stiff, L. (Eds.). (1998). *Proceedings of the Twentieth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Volumes 1 and 2*. (Raleigh, NC). Columbus, OH: ERIC.
- Berenson, S. B., Carter, G., & Vidakovic, D. (1998). Assessing procedural and conceptual knowledge. In G.W. Bright & J.M. Joyner (Eds.). *Classroom assessment in mathematics: Views from a National Science Foundation Working Conference*. Lanham, MD: Press of America.
- Vidakovic, D., Berenson, S., & Blanton, M. (1997). The role of technology in classroom planning: The case of five preservice teachers. In B. Robin, J. Price, J. Willis, & D. Willis (Eds.) *Technology and Teacher Education Annual*, (pp. 208-216). Charlottesville, VA: Assoc. of the Advancement of Computing in Education.
- Berenson, S. B., Carter, G., & Vidakovic, D. (1997, August). North American perspectives on assessment. *Proceedings of the International Symposium of Elementary Maths Teaching*. Charles University, Prague, The Czech Republic.
- Vidakovic, D., & Berenson, S. (1997, July). Preservice teachers' ideas of classroom investigations in a computer environment. *Proceedings of the Psychology of Mathematics Education - International Group*, Lahti, Finland.
- Blanton, M. L., & Berenson, S. B. (1997, October). Mediating pedagogical content knowledge through social interactions: A prospective teacher's emerging practice. In J. Swafford & J. Dossey (Eds.). *Proceedings of the Nineteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Bloomington-Normal, IL.
- Coulombe, W.N., & Berenson, S. B. (1997, October). Algebra I students' ideas about covariation. In J. Swafford & J. Dossey (Eds.). *Proceedings of the Nineteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Bloomington-Normal, IL.

- Vidakovic, D., Berenson, S., & Blanton, M. (1997, October). The role of technology in lesson planning: The case of preservice teachers. In J. Swafford & J. Dossey (Eds.). *Proceedings of the Nineteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Bloomington-Normal, IL.
- Berenson, S. B., & Vidakovic, D. (1996). Children's word meanings and the development of division concepts. In L. Puig & A. Gutierrez (Eds.). *Proceedings of the 20th Conference of the International Group for the Psychology of Mathematics Education*. Valencia, Spain: University of Valencia.
- Vidakovic, D., Berenson, S., & Carter, G. (1996). Empowering mathematics and science teachers with alternative assessment. In B. Robin, J. Price, J. Willis, & D. Willis, (Eds.). *Technology and Teacher Education Annual*, (pp. 208-216). Charlottesville, VA: Association of the Advancement of Computing in Education.
- Carter, G. & Berenson, S. B. (1996). Authentic assessment: Vehicle for reform. In J. Rhoton (Ed.). *Issues in Science Education* (pp. 93-103). Washington, DC: National Science Teachers Association.
- Berenson, S. B., & Blanton, M. L. (1996, October). Preservice teachers ideas of teaching the concept of area. In E. Jakubowski, D. Watkins, & H. Biske (Eds.). *Proceedings of the Eighteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education*. Panama City, FL.
- Berenson, S. B. & Vidakovic, D. (1995, October). Rural students' informal knowledge of division. D. Owens, M. Reed, & G. Millsaps (Eds.). *Proceedings of the Seventeenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education* (pp. 344-350). Columbus, OH.
- Blanton, M., Coulombe, W., & Berenson, S. (1995, October). College calculus students' use of verbal and graphical representations to interpret rate of change models. In D. Owens, M. Reed, & G. Millsaps (Eds.). *Proceedings of the Seventeenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education* (p. 297). Columbus, OH.
- Berenson, S. B., & Carter, G. S. (1994b, November). Teachers' graphical representations of rate of change. *Proceedings of the Sixteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education* (pp. 261-267). Baton Rouge, LA.
- Berenson, S. B., Friel, S., & Bright, G. (1993). The development of elementary teachers' statistical concepts in relation to graphical representations. *Proceedings of the Fifteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education* (pp.285-281). Pacific Grove, CA.
- Bright, G., Friel, S., & Berenson, S. (1993). Statistics knowledge of elementary teachers. *Proceedings of the Fifteenth Annual Meeting of the North American Chapter for the Psychology of Mathematics Education* (pp. 292-298). Pacific Grove, CA.
- Berenson, S. B. (1993). Collaborative learning as an instructional innovation. In *The Role of Faculty from the Scientific Disciplines in Undergraduate Education of Future Science and Mathematics Teachers*. Washington, DC: National Science Foundation.
- Johnson, J., Stiff, L., & Berenson, S. (1992). Using symbolic calculators to facilitate constructivist learning in mathematics of finance. In D. Carey, R. Carey, D. Willis, & J. Willis (Eds.). *Technology and Teacher Education Annual*, (pp. 445 - 448). Charlottesville, VA: Society for Technology and Teacher Education.

Berenson, S. B., & Howe, A. (1991). Preparation of mathematics and science teachers for the twenty-first century. In J. Coolahan (Ed.), *Towards a New Coherence for the Next Century* (pp.379-394). Limerick, Ireland: Mary Immaculate College of Education.

BOOKS

- Berenson, S. B., Berenson, D. H., & Carkhuff, R. R. (1979). *The skills of teaching: Teaching delivery skills*. Amherst, MA: Human Resource Development Press. (Forward by Ralph W. Tyler)
- Berenson, D. H., Berenson, S. B., & Carkhuff, R. R., (1978). *The skills of teaching: Content development skills*. Amherst, MA: Human Resource Development Press.
- Berenson, D. H., Berenson, S. B., & Carkhuff, R. R. (1978). *The skills of teaching: Lesson planning skills*. Amherst, MA: Human Resource Development Press.
- Berenson, S. B., Carkhuff, R. R., Berenson, D. H., & Pierce, R. W. (1977). *The do's and don'ts of teaching*. Amherst, MA: Human Resource Development Press.

ARTICLES IN REFEREED JOURNALS

- Cavey, L., & Berenson, S. (2005). Learning to teach high school mathematics: Patterns of growth in understanding right triangle trigonometry during lesson plan study. *Journal of Mathematical Behavior*, 24(2), 171-190.
- Berenson, S., Slaten, K., Williams' L., & Ho, Chih-wei. (2005). Voices of women in a software engineering course: Reflections on collaboration. *Journal of Educational Resources in Computing*.
- Clark, M.R., Berenson, S.B., & Cavey, L.O. (2003). A comparison of ratios and fractions and their roles as tools in proportional reasoning. *Journal of Mathematical Behavior*. 22, 297-317.
- Blanton, M., Berenson, S., & Norwood, K. (2001). Exploring a pedagogy for the supervision of prospective math teachers. *Journal of Mathematics Teacher Education*. 4(3), 177-204.
- Blanton, M., Berenson, S., & Norwood, K. (2001). Mathematical discourse in a prospective teacher's class. *Teaching and Teacher Education*. 17, 227-242.
- Berenson, S. B., Droujkova, M., Cavey, L., Smith, N., & Barnes, T. (2000). Girls on Track with information technology. *Meridian*, 3 (1)
<http://www.ncsu.edu/meridian/2000wint/math/index.html>

- Oldham, E., van der Valk, T., Broekman, H., & Berenson, S. (2000). Beginning pre-service teachers' approaches to teaching the area concept: Identifying tendencies towards realistic, structuralist, mechanist, or empiricist mathematics education. *European Journal of Teacher Education*. 22(1), 23-43.
- Berenson, S., van der Valk, T., Oldham, E., Runesson, U., Moreira, C., & Broekman, H. (1997). An international study to investigate prospective teachers' content knowledge of the area concept. *European Journal of Teacher Education*. 20, 137-150.
- Berenson, S. B. (1997). Language, diversity, and assessment in mathematics learning. *Focus on Learning Problems in Mathematics*. 19(4), 1-10.
- Carter, G., Stubbs, H., & Berenson, S. (1996). Science teachers' images of environmental scientists at work. *Science Educator*, 5(1), 20-23.
- Berenson, S. B., & Carter, G. S. (April, 1995). Changing assessment practices in science and mathematics. *School Science and Mathematics*. 95(4), 181-186.
- Berenson, S. B. & Carter, G. (1995). Teacher as action researcher. *Journal of the North Carolina Association of Educators*. 35-36.
- Berenson, S. B., & Carter, G. S. (March, 1994). Writing open-ended science problems. *Science Educator*. 3(1), 23-26.
- Berenson, S. B., Carter, G., & Norwood, K. (1992, February). The at-risk student in college developmental algebra. *School Science and Mathematics*. 92(2), 55-58.
- Berenson, S. B., & Stiff, L. V. (1991). Uses of instructional technologies: First year report on change at a university. *Journal of Computers in Mathematics and Science Teaching*. 10(2), 11-19.
- Berenson, S. B., Hodgins, K., Ward, C., Andrews, D., & Rudin, T. (1991). Needs assessment of elementary teachers in mathematics and science: A crucial step toward planning. *Journal of Science Teacher Education*. 2(1), 16-24.
- Berenson, S. B., Best, M. A., Stiff, L. V., & Wasik, J. L. (1990, Spring). Levels of thinking and success in college developmental algebra. *Focus on Learning Problems in Mathematics*. 12(2), 3-13.
- Berenson, S. B., & Stiff, L. V. (1989). Technological tools for instruction and faculty readiness for change. *Journal of Computers in Mathematics and Science Teaching*. 9(1), 11-18.

SELECTED TECHNICAL REPORTS

- Berenson, S. (2005). *Second Year Interim Internal Evaluation of the CBIMMS IGERT*. Pratt School of Engineering, Duke University.
- Vouk, M., Berenson, S., & Michael, J. (2004). *Women and Information Technology: Summary of Second Year Findings*. Report to the PI Meeting of the NSF IT Workforce Program. Philadelphia, PA.
- Vouk, M., Berenson, S., & Michael, J. (2004). *Women and Information Technology: A Second Year Report to the National Science Foundation*. Raleigh, NC: NC State University.

- Berenson, S., & Berenson, D. (2004). *Interim Internal Evaluation of the CBIMMS IGERT*. Pratt School of Engineering, Duke University.
- Vouk, M., Berenson, S., & Michael, J. (2003). *Women and Information Technology: First Year Report to the National Science Foundation*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., Vouk, M., & Robinson, T. (2002). *Girls on Track: Final Report to the National Science Foundation*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., Vouk, M., & Robinson, T. (2001). *Girls on Track: Increasing middle grade girls' interest in math-related careers by engaging them in computer-based mathematical explorations of urban problems in their communities*. Third Year Report to NSF. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., & Berenson, D. (2001). *Program evaluation 2001: Mathematics = easy as Pi*. Report to the Museum of Life and Science, Raleigh, NC: Quality Evaluation Design.
- Berenson, S., Vouk, M., & Robinson, T. (2000). *Girls on Track: Increasing middle grade girls' interest in math-related careers by engaging them in computer-based mathematical explorations of urban problems in their communities*. Second Year Report to NSF. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. & Berenson, D. (2000). *Up Front evaluation for mathematics = easy as Pi*. Report to the Museum of Life and Science, Raleigh, NC: Quality Evaluation Design.
- Berenson, S. & Berenson, D. (2000). *Mathematics = easy as Pi*. Year One Evaluation Report to NSF. Raleigh, NC: Quality Evaluation Design.
- Berenson, S. & Berenson, D. (2000). *Program Quality: A practical guide for the self-study of informal science programs*. Prepared for the Museum of Life and Science. Raleigh, NC: Quality Evaluation Design.
- Berenson, S., Vouk, M., & Robinson, T. (1999). *Girls on Track: Increasing middle grade girls' interest in math-related careers by engaging them in computer-based mathematical explorations of urban problems in their communities*. First Year Report to NSF.
- Berenson, S., Carter, G., & Vidakovic, D. (1996). *Alternative assessments: Action research for math and science teachers*. Final Report to the U.S. Office of Education. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., Vidakovic, D., & Haynie, G. (1996). *Laboratory Improvement for the calculus curriculum*. Final Report to the NSF Principal Investigator. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Blanton, M., Coulombe, W., Vidakovic, D., & Berenson, S. (1995, November). *Determining the impact of the North Carolina School of Science and Mathematics precalculus/calculus lead teacher project*. Annual Report to the NSF Principal Investigator. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Gregorio, L. M., Vidakovic, D., & Berenson, S. (1995, January). *Teach-Stat evaluation report*. Final Report to the NSF Principal Investigator. Raleigh, NC: Center for Research in Mathematics and Science Education.

- Coulombe, W., Vidakovic, D., & Berenson, S. (1994, November). *Determining the impact of the North Carolina School of Science and Mathematics pre-calculus/calculus lead teacher project*. Annual Report to the Principal Investigator. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Smith, S., Henderson, N., & Berenson, S. (1994, May). *Second year evaluation of the NCSU Howard Hughes Program*. Annual Report to the Howard Hughes Principal Investigator. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., & Carter, G. (1993, December). *Determining the impact of the VISION program*. Report the to SRC-Educational Alliance. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B., Stiff, L. V., & Savage, R. G. (1992). *Preparation of mathematics and science teachers for the twenty first century at North Carolina State University*. A Final Report to the National Science Foundation. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., Hodgin, K., Devane, R., & Early, T. (1991). *Needs assessment of middle grades mathematics teachers: Content*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Kolb, J. R., & Berenson, S. B. (1990). *Improving leadership skill among high school mathematics teachers with collaborative research*. A Final Report to the National Science Foundation. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B. (1990). *Preparation of mathematics and science teachers for the twenty-first century at North Carolina State University*. A First Year Report to the National Science Foundation. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S., Hodgin, K., Andrews, D., & Rudin, T. (1989). *Keys to the future: Needs assessment of elementary teachers in North Carolina*. Raleigh, NC: Center for Research in Mathematics and Science Education.

SELECTED CURRICULUM MATERIALS

- Berenson, Cavey, Smith, Clark, & Robinson. (2001). *Girls on Track: Community investigations - Using real data in the algebra I classroom* [<http://ontrack.ncsu.edu>].
- Berenson, S., Vidakovic, D., & Blanton, M. (1997). *Using technology to teach geometry: Professional development for middle grades and elementary teachers*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B., & Vouk, M. (1996). *MathPAK: Internet materials for pre-algebra students and their parents* [Netscape 2.02: <http://bvcd.csc.ncsu.edu:8787/mp/work/>]. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B., & Carter, G. S. (1995). *Alternative assessment: Practical applications for mathematics and science teachers*. Raleigh, NC: Center for Research in Mathematics & Science Education.

- Berenson, S. B. (1991). *Alternative assessments for K-12 mathematics*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B. (1990). *A model of instruction for two-way interactive audio and visual telecommunications* (video tape). Raleigh, NC: Center for Research in Mathematics and Science Education.
- Kolb, J. R. , & Berenson, S. B. (Eds.). (1989). *Equations: Effects of change on graphs*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Kolb, J. R. , & Berenson, S. B. (Eds.). (1989). *Geometry: Investigations using the Supposer*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Kolb, J. R., & Berenson, S. B. (Eds.). (1989). *Linear systems: Focus on concepts*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Park, J., & Berenson, S. (1987). *Problem solving activities for the middle grades*. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Howe, A., & Berenson, S. (1986). *Math and science in your future*. A slide/tape presentation. Raleigh, NC: Center for Research in Mathematics and Science Education.
- Berenson, S. B. (1984). *Memory management* (CYBER program for PASCAL 2 undergraduates). Tallahassee, FL: The Florida State University.
- Berenson, S. B. (1982). *An APPLE for Leon County teachers*. Tallahassee, FL: Leon County Public Schools.
- Carkhuff, R. R., & Berenson, S. B. (1980). *Leadership training: Group process skills*. Washington, DC: National Education Association.
- Carkhuff, R. R., & Berenson, S. B. (1980). *Leadership training: Personal leadership skills*. Washington, DC: National Education Association.
- Carkhuff, R.R., Berenson, S. B., & Banks, G. (1979). *Training teachers of multicultural students in interpersonal skills*. Portland, OR: Northwest Regional Laboratory.

REFEREED RESEARCH PRESENTATIONS

- Berenson, S., Michael, J., & Vouk, M. (2006). The Relationship Between High School Mathematics and Career Choices among High Achieving Young Women. Paper presented at the Annual Meeting of PME – International Group. Prague, Czech Republic.
- Berenson, S., Droujkova, M., Slaten, K., & Tombes, S. (2005). *Learning the language of mathematics teaching: Situating the educative experiences of prospective teachers in the domain of diverse learners*. Paper presented at the Annual Meeting of PME – NA, Blacksburg, VA.
- Berenson, S., Williams, L., & Slaten, K. (2005). *Using pair programming and Agile development methods in a university software engineering course to develop a model of social interactions*. Paper presented at the Conference for Crossing Cultures, Changing Lives Conference, Oxford, UK.

- Berenson, S., Williams, L., Michael, J., & Vouk, M. (2005). *Examining time as a factor in young women's IT career decisions*. Paper presented at the Conference for Crossing Cultures, Changing Lives Conference, Oxford, UK.
- Droujkova, M., Berenson, S., Slaten, K., & Tombes, S. (2005). *A conceptual framework for studying teacher preparation : The Pirie-Kieren Model, collective understanding and metaphor*. Paper presented at the Annual Meeting of PME, Melbourne, Australia
- Berenson, S., Vouk, M., & Michael, J. (2004). *Women and information technology: A seven year longitudinal study of young women from middle grades into college*. Paper presented at the Annual Meeting of AERA. San Diego, CA.
- Berenson, S. (2004). Discussant: *Bridging the Gap: A road map for a discussion about current and future gender equity interventions*. Symposium at the Annual Meeting of AERA. San Diego, CA.
- Berenson, S.B. (2003). *Lesson plan study: A viable pedagogy for teacher educators*. Paper presented at the Annual Meeting of AERA. Chicago, IL.
- Berenson, S.B. (2002). *Lesson plan study and the growth of understanding of school mathematics among prospective high school teachers*. Annual Meeting of the Psychology of Mathematics Education. Utrecht, NL.
- Berenson, S.B. (2001). *Girls on Track: Developing a model to predict girls' success in advanced mathematics from middle school to college*. Organizer and presenter at AERA symposium. Research to realization: Increasing women's participation in science, engineering, mathematics, and technology. Seattle, WA.
- Berenson, S.B. (2000). *Methodology to Study the Lesson Plan Task and Prospective Teachers' Ideas*. Paper presented at the Annual Meeting of the Association of Teacher Educators in Europe. Barcelona, Spain.
- Berenson, S. (September, 1999). *Pre-Service teachers' use of representations to teach the concept of area*. Paper presented at the Association of Teacher Educators in Europe, Working Group II. Leipzig, Germany.
- Blanton, M. & Berenson, S. (April, 1999). *Exploring a pedagogy of educative supervision*. Paper presented at the annual meeting of AERA in Montreal, Canada.
- Berenson, S., & Dawkins, K. (March, 1999). *Considering science and mathematics teachers needs when restructuring graduate education*. Paper presented at the annual meeting of NARST, Boston, MA
- Berenson, S. (1998). *Classroom research as a tool for investigation*. Paper presented at the 1998 annual meeting of the Association of Teacher Educators in Europe, Limerick, Ireland.
- Berenson, S. (1998, April). *Classroom research on children's probabilistic thinking*. Symposium Organizer and Presenter. NCTM Research Pre-session at annual meeting, Washington, DC.
- Berenson, S., van der Valk, T., Oldham, E., Runesson, U., Moreira, C., & Alves, G. (1996, September). *International partnerships to formulate a model of pre-service teachers' knowledge of teaching*. Paper presented at the annual meeting of the Association of Teacher Educators in Europe, Glasgow, Scotland.
- Blanton, M., Berenson, S., & Runesson, U. (1996, September). *Using pre-service teachers' lesson plans to understand their ideas of teaching*. Paper presented at the annual meeting of the Association of Teacher Educators in Europe, Glasgow, Scotland.

- Berenson, S. B. (1995, September). *Alternative assessment and diversity*. Concurrent Session-Annual Meeting of the Association of Teacher Educators in Europe, Oslo, Norway.
- Berenson, S., Coulombe, W., Lawrence, C., Blanton, M., & Holler, J. (1995, March). *Multiple representations and the development of mathematical concepts*. Symposium at the annual meeting of the North Carolina Association of Researchers in Education, Greensboro, NC.
- Berenson, S. B., (1993, September). *Exploring the developmental levels of elementary teachers' statistical concepts*. Paper presented at the annual conference of the Association of Teacher Education in Europe, Lisbon, Portugal.
- Berenson, S. B., (1993, April). *Elementary teachers' content knowledge about statistics*. Paper presented at the American Educational Research Association annual conference, Atlanta, Georgia
- Berenson, S. B., (1993, April). *What are the effects of active learning strategies on the SAT-Math scores of minority and majority Students?* Paper presented at the American Educational Research Association annual conference, Atlanta, Georgia.
- Berenson, S. B., (1993, April). *Program evaluation in the biological sciences to improve graduate and undergraduate education*. Paper presented at the National Association for Research in Science Teaching annual conference, Atlanta, GA.
- Rogers, L, Gregorio, L., McGurrin, D., & Berenson, S. (1993, March). *Content preparation of middle grades mathematics and science teachers*. Paper presented at the Eastern American Education Research Association. Clearwater, Florida.
- Berenson, S. B., (1993, February). *Elementary teachers' conceptions of graphical representations of statistical data*. Paper presented at the Research Council for Diagnostic and Prescriptive Mathematics, Melbourne, Florida.
- Rogers, L, Gregorio, L., McGurrin, D., & Berenson, S. (1993, January). *Needs assessment of middle grades mathematics and science teachers*. Paper presented at the annual meeting of the North Carolina Association of Research in Education, Greensboro, NC.
- Berenson, S. B., (1992, August). *Incorporating technology in mathematics to improve pre-service teacher preparation*. Paper presented at the International Congress on Mathematical Education, Quebec, Canada.
- Berenson, S. B., (1992, August). *Race and gender interactions and constructivist teaching*. Paper presented at the annual meeting of the International Group for the Psychology of Mathematics Education, Durham, New Hampshire.
- Berenson, S. B., & Snyder, S. S. (1991, September). *Case study: Changing undergraduate teacher preparation in science and mathematics Education*. Paper presented at the annual meeting of the Association of Teacher Education in Europe, Amsterdam, The Netherlands.
- Berenson, S. B. (1991, April). *Teacher-Directed curriculum restructuring: Case studies in changing secondary mathematics teaching*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Berenson, S. B. (1991, April). *Preparation of science and mathematics teachers for the twenty-first century*. Paper presented at the annual meeting of the National Association for Research in Science Teaching. Lake Geneva, WI.
- Berenson, S. B. (1991, April). *Assessment of a change model: Practicing what we preach at the university*. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, New Orleans, LA.

- Berenson, S. B. (1990, February). *Microcomputers as tools for improving teaching and learning in high school mathematics*. Paper presented at the annual meeting of the American Association for the Advancement of Science, New Orleans, LA.
- Berenson, S., Hodgins, K., & Andrews, D. (1989, April). *Needs assessment of North Carolina elementary teachers in science and mathematics*. Paper presented at the annual conference of the National Association of Science Teachers, Seattle, WA.
- Berenson, S. B. (1989, March). *Collaborative research: Change agent for high school mathematics instruction*. Paper presented at the annual meeting of the American Education Research Association, San Francisco, CA.

INVITED PRESENTATIONS

- Berenson, S. (September, 2006). *Interviews for inquiry*. Annual Conference on College Teaching, Faculty Center for Teaching and Learning, NC State University.
- Berenson, S. (October, 2004). *Assessing pre-service teachers' mathematical content knowledge through their use of instructional representations*. Annual Conference of the Robert B. Davis Institute, Emerald Isle, NC.
- Berenson, S. (June, 2003). *Proportional reasoning: Understanding the relationship between ratio and fraction*. Annual Conference of the Robert B. Davis Institute. Umea, Sweden.
- Berenson, S. (April, 2003). *Girls on Track: What research says about smart girls and developing strategies that encourage them to study mathematics and science*. Annual Meeting of NC AAUW, Raleigh, NC.
- Berenson, S. (September, 2002). *The theoretical framework of Pirie/Kieren as a tool to study the growth of pre-service teachers' mathematical understanding*. Faculty Seminar, Queensland University of Technology, Brisbane, Australia.
- Berenson, S. (June, 2002). *Finding patterns in Pascal's Triangle to explore probability*. Annual Conference of the Robert B. Davis Institute. Pritschitz, Austria.
- Berenson, S. (February, 1999). *Current issues in the U.S. for mathematics and science education*. Faculty Research Seminar at University of Utrecht, The Netherlands.
- Berenson, S. (April, 1998). Discussant of Paper Set: *Mathematics Education in Urban Latino Classrooms*. Annual Meeting of the American Educational Research Association, San Diego, CA.
- Berenson, S. (April, 1998). Chair of Technology Presentation: *Demonstration Software to Support Collaboration*. Annual Meeting of the American Educational Research Association, San Diego, CA.
- Berenson, S. (1997, August). Plenary Speaker: *A North American perspective of assessment in elementary school mathematics*. The International Symposium on Elementary Maths Teaching, Prague, The Czech Republic.
- Berenson, S. B. (1997, April). MathPAK: *Using pattern finding with community college students*, Annual meeting of Mathematics for Two Year Community Colleges, Raleigh, NC.

- Berenson, S. B. (1996, November). *MathPAK: Assessment and instruction over the internet*. Invited address at the SERVE Research and Development Conference, Greensboro, NC.
- Berenson, S. B., (1996, October). *Pattern finding for pre-algebra over the internet*. Invited address at the annual meeting of the North Carolina Council of Mathematics Teachers, Greensboro, NC.
- Berenson, S. (1996, September). *MathPAK: Research and outreach via the internet*. Invited presentation at the NC State Technology Expo '96, Raleigh, NC.
- Berenson, S. B. (1995, March). *Alternative assessments for high school mathematics*. Invited address at the annual meeting of the Western Regional North Carolina Council of Teachers of Mathematics, Hickory, NC.
- Berenson, S. B. (1994, October). *Writing open-ended questions in high school mathematics*. Invited address at the annual meeting of Western National Council of Teachers of Mathematics, Boise, Idaho.
- Berenson, S. B. (1994, October). *Writing open-ended questions in high school mathematics*. Invited address at the annual meeting of Southern National Council of Teachers of Mathematics, Tulsa, OK.
- Berenson, S. B., & Grant, W. (1994, October). *Assessment of the Howard Hughes pre-college outreach program*. Invited address at the annual meeting of Howard Hughes Principal Investigators, Silver Springs, MD.
- Berenson, S. B. (1993, June). *Alternative assessments for algebra I*. Invited address North Carolina Algebra Project, Washington, North Carolina.
- Berenson, S. B. (1993, March). *Implementing the NCTM Professional Teaching Standards*. Invited address at the North Carolina Council of Teachers of Mathematics Western Region Conference, Hickory, North Carolina.
- Berenson, S. B. (1993, February). *Alternative assessment: student assessments and their applications to teacher preparation*. Invited paper presented at the NCTM Western Regional Conference, Las Vegas, Nevada.
- Berenson, S. B. (1992, November). *Collaborative learning as an instructional innovation*. Invited paper for National Science Foundation Workshop on the Role of Faculty from the Scientific Disciplines in the Undergraduate Education of Future Science and Mathematics Teachers, Washington, D.C.
- Berenson, S. B. (1992, August). *Professional standards for teaching mathematics*. Invited presentation for the N.C. State Department of Public Instruction at the Department Chairs' Retreat. Mid Pines, NC.
- Berenson, S. B. (1992, May). *Technology tools to change undergraduate instruction*. Presentation for Infusion of Technology in Teacher Education: A Theoretical Perspective at the IBM Region V Technology Conference, Charlottesville, VA.
- Berenson, S. B. (1992, March). *Technology tools to change undergraduate instruction in mathematics at the university*. Paper presented at the Association for the Advancement of Computing in Education, Technology and Teacher Education Conference, Houston, Texas.
- Berenson, S. B. (1991, August). *Alternative assessments for high school mathematics*. Invited presentation at Wake County Teachers' Workday, Raleigh, NC.
- Berenson, S. B. (1991, August). *Alternative assessments for middle grades mathematics*. Invited presentation at Wake County Teachers' Workday, Raleigh, NC.

Berenson, S. B. (1991, July). Alternative assessments for algebra 1. Two invited presentations for the State Department of Public Instruction's Statewide "Algebra For All" Workshops, Raleigh, NC.

SELECTED WORKSHOPS

- 1997 Using Technology to Teach Geometry in Grades 4-8 - Eisenhower Professional Development. North Carolina State University, EMS 592, 60 contact hours.
- 1996 Advanced Technologies Education - Leadership Institute - NSF. North Carolina State University, EMS 592 L, 50 contact hours.
- 1995 Alternative Assessment: Action Research for Mathematics and Science Teachers - U.S. Office of Education. North Carolina State University, EMS 592 & EMS 594, 60 contact hours.
- 1994 Alternative Assessment: Action Research for Mathematics and Science Teachers - U. S. Office of Education. North Carolina State University, EMS 592 & EMS 594, 60 contact hours.
- 1994 Alternative Assessments Using Communication Skills to Improve Test Scores - Eisenhower Professional Development. North Carolina State University, EMS 592 & EMS 594, 60 contact hours.
- 1994 Summer Institute in Alternative Assessments for Mathematics and Science Teachers - State Department of Public Instruction. North Carolina State University, EMS 592 & EMS 594, 50 contact hours.
- 1993 Summer Institute in Alternative Assessments for Mathematics and Science Teachers - State Department of Public Instruction. North Carolina State University, EMS 592 & EMS 594, 50 contact hours.
- 1991 Improving SAT Scores of Minority Students Through Teacher Inservice - Eisenhower Professional Development. North Carolina State University, EMS 592, 50 contact hours.
- 1989 Using Telecommunications for Distance Learning - Computer Tools for Secondary Mathematics Teachers - Microelectronics Center for North Carolina. North Carolina State University, 30 contact hours.
- 1989 Using LOGO and BASIC to Teach Middle Grades Mathematics - State Department of Public Instruction. North Carolina State University, EMS 592, 50 contact hours.
- 1988 Computer Tools for Secondary Mathematics Teachers - NSF. North Carolina State University, EMS 592, 45 contact hours.
- 1987 Computer Tools for Secondary Mathematics Teachers - NSF. North Carolina State University, EMS 592, 80 contact hours.
- 1986 Problem Solving for Middle Grades Math and Science Teachers - State Department of Public Instruction. North Carolina State University, EMS 592 & EMS 594, 40 contact hours.

THESES AND DISSERTATIONS, CHAIRED AND CO-CHAIRED

Doctoral Dissertations

- Janet Johnson, (1992). Dissertation – *Using Symbolic Calculators to Facilitate Constructivist Learning in Mathematics of Finance.*
- Wendy Coulombe, (1997). Dissertation - *Algebra I Students' Understanding of Linear Rates of Change.*
- Maria Blanton, (1998). Dissertation - *Prospective Teachers' Cycles of Mediation Through Reflective Practice.*
- Lynne Gregorio, (1998). Dissertation - *Procedural and Conceptual Knowledge of Median Among Inservice and Preservice Teachers.*
- J. Lewis Walston, (2000). Dissertation - *A Case Study of Prospective Teachers Procedural and Conceptual Knowledge within the Field Experience*
- Laurie O. Cavey, (2002). Dissertation – *Growth in Mathematical Understanding while Learning to Teach Right Triangle Trigonometry: Patterns of Growth and Connection Building through Lesson Plan Study.*
- Clarence E. Davis (2003). Dissertation - *Prospective Teachers' Subject Matter Knowledge of Similarity.*
- Matthew R. Clark (2003). Dissertation – *The Use of Ratio-Related Numerical Comparison Problems in Promoting Middle-School Students Understanding.*
- Maria Droujkova (2004). Dissertation – *The Role of Metaphor in Proportional Reasoning.*
- Katrina Staley (2004). Dissertation - *Tracing the Development of Understanding Rate of Change: A Case Study of Changes in a Pre-Service Teacher's Pedagogical Content Knowledge.*
- Kelli Slaten (2006). Research Area – *The Growth of Undergraduates' Knowledge of Proportional Reasoning Topics in High School Algebra and Geometry.*
- Susan Tombes (2008). Research Area – *The Development of Undergraduates' Identities as Mathematics Teachers.*

Masters Theses

- Michelle Longest (2002). Thesis – *Strategies Used by Middle School Students on Proportional Reasoning Tasks.*
- Nancy Smith (2000). Thesis – *Confidence and Achievement in Fast Track Middle School Girls.*
- Julie Duquette (1993). *Effects of a Writing Intervention on Common Computational Errors Among Developmental College Algebra Students.*

NCSU COURSES TAUGHT

Graduate Courses

EMS 792X Mathematics Education Research Literature
EMS 792Z Theory and Conceptual Frameworks in Mathematics Education Research
EMS 841 Classroom Research, NC State University
EMS 890 Doctoral Research Seminar, NC State University
EMS 895 Doctoral Research, NC State University
EMS 592 Special Topics in Mathematics Education, NC State University
EMS 594: Special Topics in Science Education, NC State University
EMS 641: Classroom Research
EMS 690, EMS 695: Masters Research & Thesis, NC State University
MAT 501: Using Computers to Teach Mathematics, Fayetteville State University

Undergraduate Courses

EMS 203: Introduction to Teaching Mathematics, NC State University
EMS 480: Using Technology to Teach Mathematics, NC State University
ECI 420: Methods and Materials of Teaching Mathematics, Florida State University
ECI 360: Computers in Mathematics Education, Florida State University

SELECTED SERVICE

2006 Chair – College Reappointment, Promotion and Tenure Committee
Director of Graduate Programs in Mathematics Education
Reviewer – Psychology of Mathematics Education – International Group
Reviewer – Journal for Research in Mathematics Education
Graduate Dean Search Committee Member
Faculty Search Committee Chair

2005 Chair – College Reappointment, Promotion and Tenure Committee
Reviewer – Focus on Learning Problems in Mathematics

2004 Director of Graduate Programs – Mathematics Education
Member – University Task Force for Assessment
Reviewer – Psychology of Mathematics Education –NA
Reviewer – American Educational Research Association

- Co-Chair – Association of Women Faculty - NCSU
- 2003 Reviewer – Psychology of Mathematics Education
Reviewer – Journal of Mathematics Teacher Education
Reviewer – Journal of Learning Mathematics
Friday Institute Building Committee Member
- 2002 Reviewer – Psychology of Mathematics Education – International
Member – University Research Committee
Reviewer - American Education Research Association, Division C.
Reviewer – Journal of Mathematics Teacher Education
Reviewer – Psychology of Mathematics Education – North America
Reviewer – Journal for Research in Mathematics Education
Reviewer – Psychology of Mathematics Education – International
Member – University Internal Review Board for Human Subjects
Member – University Research Committee
Chair – Search Committee for two Mathematics Education Faculty
- 2000 Reviewer - American Education Research Association, Division C.
Reviewer – Journal of Mathematics Teacher Education
Reviewer – Psychology of Mathematics Education – North America
Reviewer – Journal for Research in Mathematics Education
Member – University Internal Review Board for Human Subjects
Chair – Search Committee for two Mathematics Education Faculty
- 1999 Reviewer - American Education Research Association, Division C.
Reviewer – Psychology of Mathematics Education – North America
Reviewer – Journal for Research in Mathematics Education
Member – University Internal Review Board for Human Subjects
- 1998 Reviewer - American Education Research Association, Division C.
Reviewer – Journal of Mathematics Teacher Education
Reviewer – Psychology of Mathematics Education – North America
Reviewer – Journal for Research in Mathematics Education
Chair - University Committee - O. MAX Gardner Award
- 1997 Electronic Reviewer - American Education Research Association
Reviewer - American Education Research Association, SIG/Research in
Mathematics Education
Reviewer - Psychology of Mathematics Education - North America
Reviewer - Journal for Research in Mathematics Education

- Reviewer - Journal of Mathematics Teacher Education
 - University Committee - O. MAX Gardner Award
 - University Committee - University Government Committee
 - Department Search Committee - Department Head
 - Department Committee - Coordinators Council
 - UNC-Mathematics and Science Education Network Statewide Advisory Board
- 1996
- Reviewer - American Education Research Association, SIG/RME
 - Reviewer - Psychology of Mathematics Education - North America
 - Reviewer - International Group of Psychology of Mathematics Education
 - Reviewer - Journal of Mathematics Teacher Education
 - University Committee - O. MAX Gardner Award
 - University Committee - University Government Committee
 - College Search Committee - Associate Dean for Academic Affairs (Co-Chair)
 - Department Search Committee - Department Head
 - Department Committee - Coordinators Council
 - UNC-Mathematics and Science Education Network Statewide Advisory Board
 - State Department of Public Instruction - Member of Mathematics Framework Committee.
- 1995
- Reviewer - Journal for Research in Mathematics Education
 - Reviewer - National Science Foundation/Undergraduate Curriculum
 - Reviewer - Psychology of Mathematics Education - North America
 - Reviewer - American Education Research Association, SIG/RME
 - University Committee - Outreach and Extension Executive Committee
 - University Committee - Institutional Effectiveness of Research, Outreach, Extension
 - UNC-Mathematics and Science Education Network Statewide Advisory Board
- 1994
- Reviewer - Journal for Research in Mathematics Education
 - Reviewer - Psychology of Mathematics Education - North America
 - Reviewer - American Education Research Association, SIG/RME
 - University Committee - Outreach and Extension Executive Committee
 - University Committee - SACS Self-Study
 - University Committee - SACS Institutional Effectiveness for Research
 - College Search Committee - Associate Dean for Research and Outreach
 - Department Graduate Committee – Chair
- 1993
- Reviewer - Journal for Research in Mathematics Education
 - University Committee - Research Committee

University Subcommittee - Research and Teaching Position Paper
University Committee - SACS Self-Study for Research, Outreach, and Extension
University Committee - Faculty Grievance
University Committee - Institutional Effectiveness Miami Group
College Committee - Student Grievance
Department Search Committee - Tenure Track Science Educator