LAURA JOAN JACOBSEN

EDUCATIONAL BACKGROUND

- Ph.D., Curriculum and Instruction-Math Education, Virginia Tech, Blacksburg, VA, 2006
- M.S., Mathematics, Virginia Tech, Blacksburg, VA, 1998
- B.S., Mathematics, Roanoke College, Salem, VA, 1997

EMPLOYMENT AND LEADERSHIP ROLES

Radford University (2005 – Present)

- Interim Associate Dean for Interprofessional Education (IPE), Waldron College of Health and Human Services (WCHHS), August 2024 – Present
    - Responsible for leading and managing IPE events within the college, university, and with constituent partners in the region. Partnered with Edward Via College of Osteopathic Medicine on a case study event that welcomed 63 VCOM participants.
    - Chair of the WCHHS Healthcare Advocacy Committee, organizing professional development and events surrounding social determinants of health as part of IPE.

- Interim Dean, University Libraries & Administrator, Harvey Learning and Writing Center, Aug 2022 – May 2024 [continuing role as Math Education Professor, 2005-Present]
    - Administered budgets over $3 million, approx. 30 staff and 70 student workers.
    - Prioritized student success, engagement, and well-being. The McConnell Library hosted 70 events in 2021-2022 and 236 events in 2023-2024. In our Roanoke health sciences library, we increased from 21 to 47 events. Events included citation workshops, live music in the library, therapy dogs, writing jams, personal storytelling, accessibility drop-ins, game nights, MLK Day of Service camp, and more.
    - Increased library visits by 15% in one year
    - Over 50% increase in student group library reservations, from 135 to 273 in one year
    - Change management of SuperSearch platform from Ebsco to WorldCat's Discovery.
    - Created a new First-Year Experience Librarian position. Partnered with new student orientation, faculty, and first-year experience programs.
    - New young adult, graphic novel, and manga collections, based on student demand.
    - Sensory analysis of library spaces to promote inclusivity and cost-effective space redesign. Introduced a meditation room as well as a new low-fidelity lounge with programmable LED lights, customizable sound system, and versatile furniture.
    - New Highlander Den adjacent to Harvey Learning and Writing Center for easy access to tutors and writing mentors, recommended for required study hall hours for students with <2.0 GPA.
    - Implemented a library liaison model, assigning a librarian to each academic department to work with faculty and students and facilitate use of library resources.
    - Partnered with tutoring programs in English and Mathematics for cohesive services.

- Interim Administrator, Highlander Success Center (concurrent role), May 2023 – Jan 2024
    - Member of NACE and NASPA student success organizations.
    - Transitioned Harvey Center to include significant drop-in tutoring and writing support.

- Improved our response to Starfish student data reporting. Created and implemented coordinated retention campaign with faculty and administration to re-enroll students spring to fall, across all academic years.
- Oversaw orientation programming and chaired partnerships from across campus.

- Interim Director, Center for Career and Talent Development, Jan 2021 – May 2021
  - Member of NACE. Familiar with Handshake platform, CliftonStrengths assessments, PathwayU, and Myers-Briggs MTBI assessment.
  - Implemented text messaging platform, to boost student outreach and engagement in career events and employer interviews.
  - Worked with our employer relations specialist and career coaches in the implementation of career fairs.
  - Proposed and implemented procedural changes to increase First Destination Survey response rates and provide career assistance to graduating students and alumni.

- Interim Dean, College of Graduate Studies and Research, Feb 2017 – Dec 2018
  - Managed budgets totaling approximately $4.3 million, including graduate assistantship and fellowship budgets and research budgets.
  - Chaired review of new degree proposals for the Masters in Data and Information Management and Doctor of Occupational Therapy, as well as new graduate certificate proposals for Bioethics, Gerontology, Professional Writing, and Psychiatric Mental Health Nurse Practitioner.
  - Revamped recruitment and marketing strategies, utilizing best practices. Graduate enrollments increased from 863 in fall 2015 to 1,000 in fall 2017, for 15.9% growth.
  - Led planning and development of a strategic plan for the College in spring 2018, in alignment with Radford University's Strategic Plan 2018-2023.
  - Developed and implemented Grant Writing and Research Development Program beginning in fall 2017 and new Seed Grant proposal guidelines to support faculty in grant proposal development. The number of first-time principal investigators increased from 7 to 22 in less than one year.
  - Established three accelerated program agreements with Emory & Henry College and exploring additional options.
  - Engaged in university fundraising efforts. The total number of donations increased from 5 donors in FY16 to 18 donors in FY17 to 73 donors in FY18, with the total value of donations more than doubling.
  - Led efforts to revitalize the Graduate Student Council.

- Associate Dean, College of Graduate Studies and Research, 2014 - 2017
  - Chaired review of 3 new degree program and 4 new certificate program proposals.
  - Proposed and led significant cross-institutional improvements to graduate non-degree admissions and transfer policies and procedures.
  - Proposed and managed a new, pilot Graduate Research Fellows Program including 10 students each spring since 2014, to support the culture of research at RU and to enhance research and scholarly productivity among graduate students and faculty.
  - Proposed and implemented a new Graduate Professional Development Program, to enhance students' professional knowledge and skills and foster a sense of graduate community.
  - Planned and implemented the annual *3 Minute Thesis (3MT)* Competition.

- Director, M.S. in Mathematics Education Program, Department of Mathematics and Statistics (2008-2011) and School of Teacher Education and Leadership (2011-2013)

- Led conceptualization and development of the first fully distance education degree program at Radford University. Led development of the post-baccalaureate mathematics certificate program.
- As PI or co-PI, secured 7 consecutive grants through the Virginia Department of Education's Math and Science Partnership Grant (MSP) program to support the master's program, totaling over $2.0 million. Additional grant details are below.
- Established relationships with approximately 50 school division or private school partners committed to our mathematics education grant projects in 5 years.
- Served as Co-Chair of the Virginia Math and Science Coalition's Governing Council for Statewide Masters Programs. RU served as the lead institution for secondary mathematics statewide programs and NSF grant proposal development. University faculty and K-12 teachers and curriculum coordinators from across Virginia collaborated on course design for nearly all courses.
- Enrollments exceeded expectations, with approximately 40 graduate students enrolled in the master's program or the certificate program upon my exit in 2013.
- Built formal memorandums of understanding (MOUs) with Virginia Commonwealth University (VCU), MathScience Innovation Center (MSiC), and National Aeronautics and Space Administration (NASA).
- Organized and hosted two statewide meetings at RU of K-12 educators and university mathematicians and mathematics educators, to build a collaborative statewide team.
- Organized distance education professional development for all faculty who teach in the program (Quality Matters, AdobeConnect, D2L, iPad, and the SmartPodium).

- Tenured Full Professor, Department of Mathematics and Statistics, 2014 - Present
- Tenured Associate Professor, School of Teacher Education and Leadership, 2011 - 2014
- Assistant Professor, Department of Mathematics and Statistics, 2005 - 2011

Virginia Tech (1999 – 2005)

- Graduate Research Assistant, Department of Mathematics, Virginia Tech, 2002-2005
- Instructor, Department of Mathematics, Virginia Tech, 1999-2002

LEADERSHIP AND INNOVATION

Principal Investigator (PI) or Co-PI on 12 Grants in Mathematics Education or STEM, Radford University (2008-2018)

Principal Investigator (PI) or Co-PI on 12 externally-funded grants in mathematics education or STEM, totaling over $3.0 million. Funding provided through the National Science Foundation (NSF; 2 awards), Virginia Department of Education (VDOE; 8 awards), and State Council for Higher Education in Virginia (SCHEV; 2 awards). My responsibilities as PI or Co-PI included grant proposal development and writing, project and budget planning and management, establishing and maintaining project partnerships, advising students, hiring and managing project personnel and contractors, conducting project research, authoring publications and presenting at conferences. Grant details provided in separate section.

Selected Activities and Innovations as PI or Co-PI:

- Co-founded the virtual, statewide and multi-institutional *Secondary Mathematics Professional Development Center*. Served in roles as Director and Co-Director.
- In our VDOE-MSP grant program, 119 high school or middle school mathematics teachers in 5 cohorts received a total of $583,422 in tuition awards, averaging $4,903 per recipient.

- In the 5 years of our NSF-Scholarships in STEM Program, 71 STEM majors in 4 cohorts received a total of $545,132 in scholarships, averaging $7,678 per recipient. Our focus was on recruitment of underrepresented populations in STEM, focused on incoming freshmen and community college transfer students.
- Collaborated with NASA's Education Directorate to offer 2-week, on-site *NASA Institute for High School Mathematics*, at NASA Langley in summer 2013 and 2014. Participating teachers toured NASA facilities, heard presentations from NASA scientists, and learned how modeling and simulation (MODSIM) are used in the workforce and to solve real-life science and engineering-based problems. Teachers integrated MODSIM and associated tools into the high school mathematics curriculum.
- Collaborated with the College of William and Mary to offer a one-week, online *Performance-Based Assessment Institute* for high school mathematics teachers.
- Developed new *Mathematics for Social Analysis* undergraduate course for the NSF – Course, Curriculum, and Laboratory Improvement (CCLI) grant for the *Mathematics Education in the Public Interest* project on which I served as PI. Several hundred students in that course completed over 10,000 hours of service learning with children in partnership with Beans and Rice, Inc., a non-profit serving predominantly low to moderate income families in Southwest Virginia.

President, Faculty Senate;
Faculty Representative, Board of Visitors (BOV)
Radford University (2012 – 2014)

Chaired Senate and Faculty Senate Executive Council (FSEC) meetings; represented the faculty on the BOV, President's Cabinet and Provost's Academic Affairs Leadership Team (AALT); and set Senate committee charges, among other responsibilities.

Selected Activities and Innovations as Senate President:

- Led design of the university's salary model that was ultimately used for faculty salary adjustments in 2014. We surveyed the faculty and developed a model responsive to the results. I presented the model to the AALT and Faculty Senate.
- Organized and chaired two Accessibility Forums for students, faculty, staff, and administration designed to increase dialogue and provide a report on pressing accessibility needs across campus for individuals with disabilities.
- Worked to improve communications between the faculty, President, Provost, and Board of Visitors, serving as the first faculty member participating actively with the President's Cabinet and the AALT. The BOV began hosting annual faculty receptions.
- Led RU's participation in the Harvard University Graduate School of Education's COACHE Survey of Faculty Satisfaction. Served as RU's liaison and led faculty team to respond to areas of concern expressed through COACHE.
- Authored or co-authored 10 motions, including related to faculty representation on the Board of Visitors; support for the Climate Action Plan; improving Core Curriculum delivery; establishing a task force to re-design the Honors Academy; establishing a Child Care Task Force whose work ultimately led to formation of a new non-profit on which I served as a Board member (Radford Child Development, Inc. in 2015.
- Chaired the Faculty Senate Campus Environment Committee from 2010-2012.

Professor, Mathematics Education, Department of Mathematics and Statistics (2015-Present); Associate Professor, School of Teacher Education and Leadership (2011-2015); Assistant Professor, Department of Mathematics and Statistics (2005-2011)

Selected Activities and Innovations as a Faculty Member, Additional to Those Above:

- Attended 2011 SACS Commission on Colleges Summer Institute on Quality Enhancement and Accreditation in Fort Worth, TX.
- Served on the team in 2011 that proposed the topic ultimately approved for RU's Quality Enhancement Plan (QEP), the Scholar-Citizen Initiative. Served on the QEP Writing Team, Launch Team, and Implementation Team (2011-2013).
- Founding Advisor for the College of Science and Technology's STEM Club (2009-2013).
- Member of administrative search committees for Provost and Vice President for Academic Affairs (2017), Director of International Education (2014), Curriculum Director (2012), Assistant Vice Provost for Assessment (2012), University Registrar (2010), Core and numerous faculty and staff positions.
- Proposed and created new 3-2 dual degree program between RU and VT, approved in 2007. Led development of Memo of Understanding (MOU) between RU and VT.
- Led effort to get mathematics into Summer Bridge, which began as an IT camp and transitioned to focus on females in STEM. Taught program workshops (2006-2008).
- Served as RU liaison for STEM Day Conference for 6th grade girls, hosted through the Southwest Virginia Higher Education Center (2006-2011).
- Mentored 71 STEM scholarship students through the NSF-SSTEM grant project and co-developed performance plans with students at risk (2009-2013).
- Chaired the Recruitment and Retention Committee of the Department of Mathematics and Statistics (fall 2006- spring 2008; fall 2010-spring 2011). The number of majors increased from 51 to 69 students from fall 2006 to fall 2008, experienced a minor decline, and then increased from 65 to 75 students from fall 2010 to fall 2011.

EXTERNAL GRANT DETAILS

- ***Secondary Mathematics Professional Development Center*, Sept 2018-Oct 2018. Corey, D., Galeshi, R., Manizade, A., & Jacobsen, L.J.** VDOE-MSP Grant. Grant to provide K-12 teacher participants to design and deliver virtual professional development for other math teachers and/or math teacher leaders in their school building or district. ($48,184)
- ***Secondary Mathematics Professional Development Center*, Mar 2017-Sept 2018. Corey, D., Galeshi, R., Manizade, A., & Jacobsen, L.J.** VDOE-MSP Grant. Grant supports offers comprehensive professional development plan with academies, workshops, institutes, parallel PDs for math coaches, and virtual PD graduate math courses for teachers. ($137,826)
- ***Secondary Mathematics Professional Development Center*, Mar 2015 – Sept 2018. Corey, D., Galeshi, R., Manizade, A., Jacobsen, L.J., & Younes, R.** VDOE-MSP Grant. Grant supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching algebra and geometry, focusing on supporting academically warned schools. Grant includes subawards to VCU and Longwood University and collaborations with NASA Langley for a two-week on-site teacher institute ($728,598)
- ***Secondary Mathematics Professional Development Center*, Mar 2014 – Sept 2015. Jacobsen, L.J., & Manizade, A.** VDOE-MSP Grant. Grant supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching algebra and geometry utilizing STEM applications and incorporating performance-based assessments. Grant includes a subaward to VCU and collaborations with NASA Langley for a two-week on-site teacher institute ($230,000)
- ***Secondary Mathematics Professional Development Center*, Mar 2013 – Jun 2014. Jacobsen, L.J., & Manizade, A.** VDOE-MSP Grant. Grant supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching algebra and geometry utilizing STEM applications and incorporating performance-based

assessments. Grant includes a subaward to VCU and the College of William and Mary as well as collaborations with NASA Langley for a two-week on-site teacher institute ($250,000)

- ***Secondary Mathematics Professional Development Center*, Mar 2012-Jun 2013. Manizade, A., & Jacobsen, L. J.** VDOE-MSP Grant. Grant supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching Algebra I, Algebra II, AFDA, Geometry, and the Mathematics Capstone Course. Grant includes a subaward to VCU for collaborations related to offering funding to support teachers in the Richmond area. ($221,953)
- ***Supporting Mathematics, Science, and Literacy in Southside Virginia*, July 2011-Sept 2012. Jones, F., Jacobsen, L. J., & Jaronski, W.** State Council of Higher Education for Virginia (SCHEV), No Child Left Behind (NCLB), Title II, Part A, Grant. Grant supports professional development in mathematics, science, and literacy for elementary and middle school teachers in high-needs school divisions. ($138,243)
- ***Southwest and Southside Virginia Secondary Mathematics Professional Development Center*, Mar 2011 – Jun 2012. Manizade, A., & Jacobsen, L. J.** VDOE-MSP Grant. Grant supports a 9 credit-hour program of professional development courses for high school mathematics teachers, including but not limited to geometry, algebra and modeling topics. ($200,000)
- ***Southwest and Southside Virginia Secondary Mathematics Professional Development Center*, Jan 2010 – Sept 2011. Manizade, A., & Jacobsen, L. J.** VDOE-MSP Grant. Grant supports a 10 credit-hour program of professional development courses for high school mathematics teachers, focused on the algebra and statistics content knowledge needed for teaching. ($207,242)
- ***Bridges and Pipelines to Success and Leadership in STEM*, Jan 2009 – Jun 2013. Barland, I., Jacobsen, L. J., Mistele, J., Uppuluri, P., & Rogers, J. O.** NSF – Scholarships in STEM Grant. Grant supports recruitment and retention of under-represented populations in STEM undergraduate programs. Scholarship recipients will have an edge over typical college graduates by participating in the Radford University Student Leadership Program. Award number DUE-0849642 ($597,427)
- ***Mathematics Education in the Public Interest*, Jan 2009 – Dec 2011. Jacobsen, L. J., & Mistele, J.** NSF– Course, Curriculum, and Laboratory Improvement Grant. Grant supports curriculum and course development and research centered on equity and social justice in mathematics education and integrating teaching with scholarship. Award number DUE-0837467 ($119,667)
- ***Pittsylvania/Danville – Radford Initiative for Science and Mathematics (PRISM)*, July 2008 – Sept 2009. Jaronski, W., Spielman*, L. J., & Jones, F.** State Council of Higher Education for Virginia (SCHEV), No Child Left Behind (NCLB), Title II, Part A, Grant. Grant supports professional development in mathematics and science for elementary and middle school teachers in high-needs school divisions. ($130,000)

*** Formerly Laura J. Spielman**

PUBLICATIONS AND PROCEEDINGS

- Mistele, J., & Jacobsen, L. (2016). Students' search for meaning in *Mathematics for Social Analysis*. In D. White, S. Crespo, & M. Civil (Eds.), *Cases for teacher educators: Conversations about inequities in mathematics classrooms.* Raleigh, NC: Association of Mathematics Teacher Educators and Information Age Publishing.
- Manizade, A., Jacobsen, L., Belcher, C., Thien, R., Lovin, J., Brady, S., Baker, D. (2016). Secondary Mathematics Professional Development Center. *Virginia Mathematics Teacher, Special Issue, MSP Projects, 43*(1), 20-25.
- Corey, D., Jacobsen, L. J., Manizade, A. G., Dove, A. M., Galeshi, R., Younes, R. (2016). *Best Practices: Lessons Learned From an Online Statewide Collaborative Master's in*

Mathematics Education Program (pp. 2497-2498). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE). http://www.learntechlib.org/p/172046

- Jacobsen, L. J., Mistele, J., & Sriraman, B. (Eds.). (2012). *Mathematics teacher education in the public interest: Equity and social justice*. Charlotte, NC: Information Age.
- Jacobsen, L. J. (2012). Preface to "Equity in mathematics education: Unions and intersections of feminist and social justice literature." In H. Forgasz & F. Rivera (Eds.), *Advances in Mathematics Education: Equity and Diversity in Mathematics Education*. New York: Springer. Along with this preface, my original ZDM article from 2008 was reprinted.
- Jacobsen, L. J., & Mistele, J. (2011). Mathematics education: What is the point? In B. Atweh, M. Graven, W. Secada, & P. Valero (Eds.), *Mapping equity and quality in mathematics education*. New York: Springer.
- Jacobsen, L. J. (2010). Embedding mathematics in the elementary teacher education curriculum network. *Philosophy of Mathematics Education Journal, 25*. Retrieved from http://people.exeter.ac.uk/PErnest/ [Invited contribution to special issue on Critical Mathematics Education].
- Jacobsen, L. J., & Mistele, J. M. (2010). Please don't do "Connect the dots": Mathematics lessons with social issues. *Science Education and Civic Engagement: An International Journal*, *2*(2), 9-15.
- Spielman, L. J., & Mistele, J. (2010). Service learning for "Mathematics Education in the Public Interest." In M. A. Cooksey & K. T. Olivares (Eds.), *Quick hits for service-learning: Successful strategies from award-winning educators*. Bloomington, IN: Indiana University Press.
- Mistele, J., & Spielman, L. J. (2009). Engaging preservice teachers in mathematics: Social analysis in the mathematics classroom. *Democracy and Education*, *18*(3), 64-67.
- Spielman, L. J. (2008). Equity in mathematics education: Unions and intersections of feminist and social justice literature. *ZDM – The International Journal on Mathematics Education*, *40*(5), 647-657.
- Spielman, L. J. (2007). A case in mathematics education using skits to connect preservice teachers' language and practices. *Education*, *128*(1), 125-137.
- Spielman, L. J., & Lloyd, G. (2004). The impact of enacted mathematics curriculum models on preservice elementary teachers' course perceptions and beliefs. *School Science and Mathematics*, *104*(1), 1-13.

NATIONAL AND INTERNATIONAL PRESENTATIONS

Papers published in conference proceedings appear on this vita under "Publications" and are not duplicated in the list of presentations.

- Manizade A.G., Martinovic, D., & Jacobsen, L. (2014, November). *Impacting high school mathematics teachers' knowledge and practice.* Southern regional meeting of the National Council of Teachers of Mathematics, Richmond, VA.
- Jacobsen, L., & Manizade A.G. (2014, September). *Secondary Mathematics Professional Development Center*, United States Department of Education, Math and Science Partnerships Program Annual Conference, Washington, DC.
- Manizade, A. G., Jacobsen, L. (2013, November). *Providing high-quality professional development for all*. 35th Annual Conference of the International Group for the Psychology of Mathematics Education—North American Chapter, Chicago, USA: PMENA.
- Jacobsen, L., & Manizade A.G. (2013, September). *Secondary Mathematics Professional Development Center*, United States Department of Education, Math and Science Partnerships Program Annual Conference, Washington, DC.
- Manizade, A. G., Jacobsen, L. (2013, July). *Access to professional development opportunities for mathematics teachers in rural USA*. 37th Conference of the International Group for the Psychology of Mathematics Education, Keil, Germany: PME.
- Manizade, A. G., & Jacobsen, L. J. (2012, January). *Using on-line reflective journals as a*

way to observe changes in teachers' professional situated mathematical knowledge. Department of Education's Math and Science Partnership MSP Program 2012 Regional Conference, New Orleans, LA.

- Jacobsen, L. J., & Rogers, J. O. (2011, February). *Approaches to enhancing student recruitment and retention in STEM majors: The NSF-SSTEM scholarship program at Radford University*. Presentation at American Association for the Advancement of Science, Washington, DC.
- Rogers, J. O., & Jacobsen, L. J. (2011, February). *Summer Bridge Program educates high school women about science, technology, engineering and mathematics college majors and careers*. Presentation at American Association for the Advancement of Science, Washington, DC.
- Jacobsen, L. J. (2011, January). *Mathematics education in the public interest*. Presentation at a Course, Curriculum, and Laboratory Improvement Conference (associated with National Science Foundation grant), Washington, DC.
- Menéndez, J. M., & Jacobsen, L. J. (2011, January). *Development of the appreciation of mathematics via teaching mathematics for the public interest*. Presentation at Joint Mathematics Meetings of the American Mathematical Society and Mathematical Association of America, New Orleans, LA.
- Jacobsen, L. J., & Mistele, J. (2010, September). *A balancing act: Mathematics teacher education in the public interest*. Presentation at 32nd Annual Conference of the International Group for the Psychology of Mathematics Education—North American Chapter, Columbus, OH.
- Jacobsen, L. J., & Mistele, J. (2010, April). *Do not do "Connect the Dots": Mathematics lessons with social issues*. Presentation at the annual meeting of the American Educational Research Association (AERA), Denver, CO.
- Spielman, L. J., & Mistele, J. (2009, September). *Mathematics education in the public interest: Theory and practice*. Invited colloquium talk at Michigan State University.
- Spielman, L. J. (2009, September). Mathematics Education in the Public Interest: Preservice teachers' engagement with and reframing of mathematics. Presentation at annual meeting of PME-NA, Atlanta, GA.
- Mistele, J., & Spielman, L. J. (2009, September). *The impact of "Math for Social Analysis" on mathematics anxiety in elementary preservice teachers*. Presentation at annual meeting of PME-NA, Atlanta, GA.
- Spielman, L. J., & Mistele, J. (2009, June). *Supporting equity and social justice through Mathematics Education in the Public Interest*. Presentation at Developing a Good Heart in STEM: Summit on Incorporating Social Justice and Service-Learning into the STEM Curriculum. Ithaca, NY.
- Dietrich, C. C., Spielman, L. J., Dahl Soendergaard, B., Corwin, S., Dietrich, C. B., & Rosenzweig, M., et al. (2008, March). *Universities as catalysts for community building among informal STEM educators: The story of POISED*. Presentation at the annual meeting of the AERA, New York, NY. (STEM is an acronym for "Science, Technology, Engineering, and Mathematics; POISED is an acronym for "Partners for Outreach in Informal STEM Education")
- Spielman, L. J., & Mistele, J. (2008, January). *Introducing the "Mathematics Education in the Public Interest" project*. Presentation at annual meeting of the Association of Mathematics Teacher Educators, Tulsa, OK.
- Spielman, L. J. (2006, November). "*Context-independent" philosophies in mathematics teacher education: The sorting of schools and the accomplishment of a program's irrelevance to teaching*. Presentation at annual meeting of the American Anthropological Association, member of panel on Culturally Relevant Mathematics and Science, San José, CA.

- Spielman, L. J., & Lloyd, G. M. (2005, September). Contextualizing 'mathematics' in elementary teacher education. 27th Annual Meeting of PME-NA, Roanoke, VA.
- Spielman, L. J. (2005, April). *Investigating preservice elementary teachers' views of practice through the use of skits*. Presentation at annual meeting of the AERA, Montréal, Canada.
- Spielman, L. J. (2004, April). *Preservice teachers' observations of children's mathematical thinking*. Presentation at the Research Presession of the annual meeting of the National Council of Teachers of Mathematics (NCTM), Philadelphia, PA.
- Spielman, L. J., Behm, S., & Lloyd, G. M. (2003, October). *Learning outcomes of alternative enacted curriculum models in a mathematics course for preservice elementary teachers*. Presentation at the annual meeting of the American Association for Teaching and Curriculum (AATC), Baltimore, MD.
- Spielman, L. J., & Gao, H. (2003, October). *Understanding relationships between professionalism and teaching practice*. Presentation at the annual meeting of the AATC, Baltimore, MD.
- Lloyd, G., Behm, S., & Spielman, L. J. (2003, January). *Learning with and about curriculum materials: How preservice elementary teachers interpret and use mathematics textbooks*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators, Atlanta, GA.
- Wilson, M. R., & Spielman, L. J. (2002, October). *The importance of flexible mathematical and pedagogical conceptions for secondary teachers*. Presentation at the annual meeting of PME-NA, Athens, GA.

HONORS AND AWARDS

- Invited Participant in Virginia Women Leaders, 2021-2023
- Scholar of the Month, Sponsored Programs and Grants Management, Radford University, December 2011
- Radford University's Nominee for the Outstanding Faculty Award (rising star category), State Council of Higher Education for Virginia, 2011
- Recipient of the Artis Outstanding Faculty Award for Scholarship and Service, College of Science and Technology, Radford University, 2010
- Inducted into One Million Dollar Circle for grant awards, Radford University, August 2010
- Phi Kappa Phi (National All-Discipline Honor Society), Virginia Tech, 2002-2006
- Graduated magna cum laude with honors in mathematics, Roanoke College, May 1997
- First place for student talks at the MD/DC/VA Regional Meeting of the Mathematical Association of America (MAA), April 1997
- Julia McBriety Chalfant Memorial Award for Excellence in Mathematics, Roanoke College, 1997
- Honors Program, Roanoke College, 1993-1997
- Summer Scholar Research, Roanoke College, 1996
- Pi Mu Epsilon (National Mathematics Honor Society)
    - President of Virginia Delta Chapter, Roanoke College, 1995-1997

SELECTED ADDITIONAL SERVICE

- President, Board of Directors, Beans and Rice, Inc., 2019-2022
- Reviewer, *Virginia Mathematics Teacher Journal*, 2016-Present
- Reviewer, *Journal of Mathematics Teacher Education*, 2006-Present
- Reviewer, *Journal for Research in Mathematics Education*, 2006-Present
- Chair, Recruitment and Retention Committee, Department of Mathematics and Statistics, 2019-Present
- Chair, Academic Program Review Committee, 2017-2018
- Board Member, Radford Child Development, Inc., 2013-2018

- Board Member, Beans and Rice, Inc., 2013-2023
- Board Member, Virginia Mathematics and Science Coalition, 2011-2018
- Steering Committee, School of Teacher Education and Leadership, 2012-2014
- Participation on Curriculum Committee, Department of Mathematics and Statistics, 2006-2011. Contributed to revisions of community college articulation agreements, revisions of general education coursework, and revision of degree programs.
- Steering Committee, *STEM* day conference; over 600 sixth grade girls in Southwest Virginia attend annually; Southwest Virginia Higher Education Center, Abingdon, VA, 2006-2012
- Appalachian Arts and Studies in the Schools (AASIS) Team Member, 2008-2011
- Department of Mathematics and Statistics Recruitment and Retention Committee, Chair, 2006-2008 and 2010-2011
- Internal Governance Reform Task Force, 2012-2013
- Editorial Panel, Association for Mathematics Teacher Education (AMTE) Monograph, 2009
- Reviewer, *ZDM - The International Journal on Mathematics Education*, 2008-2016
- Reviewer, *Journal of Mathematical Thinking and Learning*, 2006-2016
- Reviewer, *Journal of Urban Mathematics Education*, 2010-2015
- Reviewer, Virginia's K-12 Mathematics Standards of Learning, 2008
- Program Planning Committee, *27th meeting of the International Group for the Psychology of Mathematics Education*, Blacksburg, VA, 2005
- Reviewer, *Teachers' use of mathematics curriculum materials: Research perspectives on relationships between teachers and curriculum*, Remillard, Herbel-Eisenmann, & Lloyd (Eds.), 2005
- Webmaster, MD/DC/VA Section of the MAA, 2002-2005
- Member, National Committee on Web Policy and Procedures, Mathematical Association of America (MAA), 2004-2006
- Program Planning Co-Chair, MD/DC/VA meeting of the MAA, Virginia Tech, 2001

CURRICULUM DEVELOPMENT: NEW COURSES PROPOSED

- Issues of Equity and Diversity in Math Education (Math/Educ 620), Spring 2008
- Graduate Seminar: Theory and Practice in Math Education (Math/Educ 650), Spring 2008
- Professional Seminar: Research in Math Education (Math/Educ 691), Spring 2008
- Elementary and Middle Grades Math for Social Analysis (Math 312), Fall 2006
- Introduction to Geometry (Math 135), Fall 2005

COURSES TAUGHT AT RADFORD UNIVERSITY, UNLESS NOTED OTHERWISE

- Teaching and Learning Elementary Mathematics (Educ 410), 2012
- Educational Foundations (Edef 607), 2012
- Educational Research (Edef 606), 2012
- Professional Seminar: Research in Mathematics Education (Math/Educ 691), 2011
- Graduate Seminar: Theory and Practice in Mathematics Education (Math/Educ 650), 2011-2013, 2015
- Issues of Equity and Diversity in Mathematics Education (Math/Educ 620), 2010-2011
- Mathematics and Social Justice—Practice, 2009 (Educ 698; Directed study)
- Mathematics and Social Justice—Theory, 2008 (Math 698; Directed study)
- Special Methods: Secondary Mathematics Education (Math 325), 2008-2009
- Elementary and Middle Grades Mathematics for Social Analysis (Math 312), 2007-Present
- Special Topics in Math Education (Math 681)
    - Topic: Elementary and Middle School Mathematics, 2007
    - Topic: Elementary and Middle School Geometry, 2008
    - Topic: Elementary and Middle School Math Literacy, 2008

- Introduction to Number Systems (Math 315), 2005-2007
- Mathematics and Human Development I (Math 111), 2005, 2007, 2019-Present
- Mathematics and Human Development II (Math 112), 2006, 2008
- Number and Computing for Teachers (Math 1614), Virginia Tech, 2003
- Geometry and Computing for Teachers (Math 1624), Virginia Tech, 2003
- Elementary Calculus I with Matrices (Math 1525), Virginia Tech, 2002
- Multivariable Calculus (Math 2224), Virginia Tech, 2002
- College Algebra and Trigonometry (Math 1024), Virginia Tech, 2000
- Calculus with Trigonometry I (Math 1016), Virginia Tech, 1999-2001
- Calculus with Trigonometry II (Math 2015), Virginia Tech, 1998-2001
- Calculus I, Virginia Tech (Math 1205), 2001
- Differential Equations (Math 2214), Virginia Tech, 2000