

PERSONAL DATA

Name: Jon E. Pedersen

Jon E. Pedersen, Ph.D. is currently the Dean of the College of Education at the University of South Carolina. He provides leadership and growth in research, teaching, outreach and innovative programs supporting faculty, staff and students. He is motivated by seeking opportunities to stimulate those who are inspired by a passion to serve children, youth, families, schools and communities. He maintains a focus on communication, participation, and developing collaborations and coalitions within the College, University and state in order to achieve overarching goals including the development of faculty; building participation, transparency and involvement in the leadership process; and, supporting the empowerment of BIPOC individuals.

Dr. Pedersen has led/overseen:

- A campus wide *Excellence Initiative* [ALL4SC](#) (The Accelerator for Learning and Leadership for South Carolina) that marshals the assets of the University of South Carolina to serve the needs of high need schools and communities. I have engaged all 12 academic/professional units committed to creating a coherent strategy to close achievement and opportunity gaps, preparing every student for the 21st century as defined by the [Profile of the South Carolina Graduate](#).
- A campus wide mentoring initiative under the direction of the President of the University of South Carolina engaging UofSC undergraduates with high school students across South Carolina. Over 100 undergraduate volunteers have been selected to work with 4 counties (Fall 2020).
- Zero to Workforce initiative for state of South Carolina. Establishing and co-directing a statewide commission for zero to workforce. Engaging House and Senate (state level) legislators, business/industry leaders, community and school leaders to develop and deliver omnibus legislation for the transformation of PK-12 education in the state of South Carolina.
- The establishment of the College of Education Office of Research and Innovation, encompassing the Research Institute, the Office of Grants and Contracts, and the Associate Dean for Research and Innovation
- The establishment of the College of Education Office of Diversity, Equity and Inclusion, and the Associate Dean for Diversity, Equity and Inclusion
- In 2015 there were 69 BIPOC faculty represented 15.90% of the total faculty. 11.5% were Black faculty. In 2019 we have 109 BIPOC faculty which represents 27.3% of the total faculty. 21.3% are Black faculty.
- A growth in the average journal impact factor across faculty peer-reviewed publications from 1.44 (2017) to 2.33
- 5 UofSC Research Centers in the College of Education including:
 - Center for the Education and Equity of African American Students
 - The establishment of Bilingualism Matters @UofSC and the South Carolina
 - Center for Assistive Technology and Educational Outreach

Growth in Departments...

Physical Education:

- Ranked 5th out of 63 departments nationally for number of articles per author (5.2)
- Ranked 4th for number of citations per faculty (16.2)
- Ranked 7th (90.6th percentile) for Scholarly Research Index (articles, awards, books, and citations)

Instruction and Teacher Education: Curriculum and Instruction:

- Ranked 22nd out of 103 departments nationally for number of dollars per grant (\$331K; federal grants)
- Tied for 5th for total number of books published (5)

Education Studies:

- Ranked 21st out of 85 departments nationally for number of articles per faculty (1.7) – but 12th highest number of publications when consider that several departments tied for number of publications
- Ranked 20th for number of citations per faculty (3.6) – but 18th highest number of citations when consider departments that tied for number of citations
- Tied for 6th highest SRI (86th percentile)

Growth in Grant Activity:

- A 33% increase in number of total grant submissions
- A 48% increase in number of College of Education internal research grant submissions
- A doubling of the amount of “spendable” grant money awarded
- A \$5 million grant to support the Carolina Family Engagement Center
- A \$5 million Teacher Quality grant to support the Carolina Family Engagement Center
- In FY 18-19, submissions totaled 126 proposals for a potential \$85,877,813.
 - 84 of those were from external sources for a total of \$85,023,492.
 - 35 (41%) have been awarded for a total of \$8,178,627 for the current year awards and \$26,314,585 for the total project award
- In FY 19-20 YTD, total submission as of September: 31 external proposals for a potential total of \$16,314,217.
- There are currently 64 active projects totaling \$25,579,932 with direct and indirect cost.
- 1/3 of our faculty are involved in the currently funded research (42 faculty out of 103).

Dr. Pedersen is currently active in multiple national/international organizations and has held many leadership roles including president of the Association for Science Teacher Education (ASTE). Over the course of his professional career he has well over 100 publications including 16 books.

EDUCATION

Certificate Riley Institute-Furman University, Diversity Leadership Institute, June 2019.

Certificate Colonial Life Education Leadership Experience, June 2018.

Certificate Harvard Graduate School of Education, Harvard Institutes for Higher Education, Institute for Educational Management (IME), Harvard University, July 2018.

- Certificate** Harvard Graduate School of Education, Harvard Institutes for Higher Education, Management Development Program (MDP), Harvard University, June 2014.
- Ph.D.** University of Nebraska-Lincoln, Lincoln, Nebraska
 May 1990, Science Education--Curriculum & Instruction
 Dissertation: S/T/S (Science/Technology/Society) Issues as controversies in the classroom: The effects on achievement, anxiety, attitudes and problem-solving perceptions in secondary science classrooms.
 Major Area: Science Education/Curriculum & Instruction
- M.Ed.** University of Nebraska-Lincoln, Lincoln, Nebraska
 December 1988, Curriculum & Instruction.
 Thesis: Cooperative controversy, concurrence seeking and individualistic comparison: How they affect concept learning in secondary science classrooms.
- B.S.** University of Nebraska-Lincoln, Lincoln, Nebraska
 December 1982, Agriculture-Animal Nutrition.

PROFESSIONAL EXPERIENCE

- 2016-** Dean in the College of Education at the University of South Carolina, Columbia, SC
- 2016-** Professor in Instruction and Teacher Education, The University of South Carolina, Columbia, SC
- 2011-2016** Associate Dean for Research, The University of Nebraska-Lincoln, Lincoln, NE
- 2009-2016** Director of Science Education, The Center for Mathematics, Science and Computer Education, The University of Nebraska-Lincoln, Lincoln, NE
- 2009-2016** Professor in Science Education, Teaching, Learning and Teacher Education, The University of Nebraska-Lincoln, Lincoln, NE
- 2006-2007** Interim Associate Dean for Teacher Education, The University of Oklahoma, Norman, OK
- 2004-2009** Associate Dean of Research and Graduate Studies, The University of Oklahoma, Norman, OK
- 2000-2009** Professor in Science Education, Instructional Leadership and Academic Curriculum, The University of Oklahoma, Norman, OK
- 1999-2000** Acting Chair Department of Science Education, East Carolina University, Greenville, NC
- 1998-2000** Associate Dean for Research, Graduate Programs and Faculty Development, School of Education, East Carolina University, Greenville, NC
- 1997-2000** Director of Research for Clinical Schools Partnerships, and Director of the Model Clinical Teachers Network, East Carolina University, Greenville, NC
- 1995-2000** Associate Professor of Science Education, East Carolina University, Greenville, NC
- 1994-1995** Coordinator of Graduate Programs for Curriculum and Instruction and Associate Professor of Curriculum and Instruction, University of Arkansas, Fayetteville, AR

- 1994-1995** Coordinator of Undergraduate Programs and the Master of Arts of Teaching Program for Curriculum and Instruction, University of Arkansas, Fayetteville, AR
- 1994-1995** Associate Professor of Curriculum and Instruction, University of Arkansas, Fayetteville, AR
- 1992-1994** Co-Director of the Center for Middle Level Education, Research and Development and Assistant Professor of Curriculum and Instruction, University of Arkansas, Fayetteville, AR
- 1990-1994** Assistant Professor of Curriculum and Instruction, University of Arkansas, Fayetteville, AR
- 1989-1990** Graduate Assistant, University of Nebraska-Lincoln, Lincoln, NE
- 1985-1988** Science teacher, Southeast High School, Lincoln, NE

RESEARCH

PUBLICATIONS

BOOKS

- 1 Pedersen, J.E. & Digby, A.O. (1995). Cooperative Learning: Theory and Practice. Garland Press.
- 2 Totten, S. & Pedersen, J.E. (1996). Social Issues and Community Service/Service Learning at the Middle Level. Allyn and Bacon.
- 3 Pedersen, J.E. (2000). Stiquito (tm) for Beginners: An Introduction to Robotics-Teacher's Guide. IEEE Computer Society Press.
- 4 Totten, S. & Pedersen, J.E. (2005). Researching and Teaching Social Issues: The Personal Stories and Pedagogical Efforts of Professors of Education. Lanham, MD: Lexington Books.
- 5 Totten, S. & Pedersen, J.E. (2007). Addressing Social Issues Across the Curriculum: The Pedagogical Efforts of Pioneers in the Field. Information Age Publishing, Charlotte, NC.
- 6 Pedersen, J.E. & Finson, K. (2009). Visual Data: Using Images as a Tool For Research. Sense Publishing Inc., The Netherlands.
- 7 Totten, S. & Pedersen, J.E. (2009). Social Issues and Community Service/Service Learning at the Middle Level. Information Age, Charlotte, NC.
- 8 Totten, S. & Pedersen, J.E. (2011). Teaching and Studying Social Issues: Major Programs and Approaches. Information Age, Greenwich, CT.
- 9 Totten, S. & Pedersen, J.E. (2012). Educating About Social Issues in the 20th and 21st Centuries Vol 1: A Critical Annotated Bibliography. Information Age

Publishing, Charlotte, NC.

- 10 Pedersen, J.E., Finson, K., Spector, B. & Jablon, P. (2013). Going Back for Our Future Carrying Forward the Spirit of Pioneers of Science Education. Information Age, Charlotte, NC.
- 11 Finson, K. & Pedersen, J.E. (2013). Visual Data in Science Education. Information Age Publishing, Charlotte, NC.
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- 13 Totten, S. & Pedersen, J.E. (2014). Educating About Social Issues in the 20th and 21st Centuries Vol 3: A Critical Annotated Bibliography. Information Age Publishing, Charlotte, NC.
- 14 Totten, S. & Pedersen, J.E. (2014). Educating About Social Issues in the 20th and 21st Centuries Vol 4: A Critical Annotated Bibliography. Information Age Publishing, Charlotte, NC.
- 15 Pedersen, J.E., Finson, K., & Spector, B. (Summer 2015). Going Back for Our Future II: Carrying Forward the Spirit of Pioneers of Science Education. Information Age, Charlotte, NC.
- 16 Pedersen, J.E., Isozaki, T. & Hirano, T. (2017). Model Science Teacher Preparation Programs: An International Comparison of What Works. Information Age, Charlotte, NC.

CHAPTERS IN BOOKS/MONOGRAPHS

- 1 Pedersen, J.E. (1992). The Jurisprudential Model for STS Study. In Robert Yager (Ed.) International Council of Associations For Science Education Yearbook: The Status of Science-Technology-Society Reform Efforts Around the World. ICASE, Knapp Hill, South Harting, Petersfield.
- 2 Pedersen, J.E. (1993). STS: A Perspective. In Robert Yager, (Ed.) What research says to the science teacher vol. VI. NSTA: Washington D.C.
- 3 Pedersen, J.E. (1993). "STS Issues in Science: A New Paradigm. A Review of Current Issues in STS Study," pp. 179-184. In M.O. Thirunarayanan (Ed.) Handbook of Science, Technology and Society. Volume I: A Theoretical and Conceptual Overview of Science, Technology, and Society Education. Tempe, AZ: Urban, Minority, Middle School, STS, Teacher/Community Enhancement Project, College of Education, Arizona State University, Tempe, AZ. ED385463.

- 4 Pedersen, J.E. & Bonnstetter, R.J. (1993). STS strategies for secondary educators. In Robert Yager, (Ed.) What research says to the science teacher vol. VI. NSTA: Washington D.C.
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- 6 Totten, S. & Pedersen, J.E. (1996). Issue Centered Curriculum and Instruction at the Middle Level. In Ronald Evans & David Saxe (Eds.) Handbook on Teaching Social Studies. Washington, D.C.: National Council for the Social Studies.
- 7 Totten, S. & Pedersen, J.E. (1996). STS Bibliography. Research Handbook on Social Studies. National Council for the Social Studies.
- 8 Totten, S. & Pedersen, J.E. (1996). Introduction. In Samuel Totten and Jon Pedersen (Eds.) Social Issues and Community Service/Service Learning at the Middle Level (p. 1-11). Allyn and Bacon.
- 9 Totten, S, & Pedersen, J.E. (1999). A close encounter: Interviewing a middle level teacher or administrator. In Samuel Totten et.al. (Eds.) Practicing What We Preach: Preparing Middle Level Educators. Falmer Press.
- 10 Pedersen, J.E. (1999). Using Shoes as a Tool for Constructing Knowledge. In Samuel Totten et.al. (Eds.) Practicing What We Preach: Preparing Middle Level Educators. Falmer Press.
- 11 Pedersen, J.E. & Sheerer, M.A. (1999). Collaborative Action Research as a Reform Strategy: Impact and Potential. In S. Thomson (Ed.) Excellence Through Partnerships. East Carolina University.
- 12 Pedersen, J.E., Bonnstetter, R.J., Rioseco, M. & Garcia, H. (2000). Reform in Science Education: University Partnerships and their Impact. In S. Abell (Ed.) International Perspectives on Science Teacher Preparation: An AETS Monograph. Kluwer Academic Publishers: The Netherlands.
- 13 Sheerer, M.A., Pedersen, J.E. & Covington, V.M. (2001). A Collaborative Model of Professional Development and Action Research at East Carolina University. In (Ed.) R. Wisniewski In Our Own Words: A Companion Piece to the Recreating Colleges of Education Report. Bell South Foundation.
- 14 Pedersen, J.E. (2005). The Evolution of an Educator. In Samuel Totten and Jon Pedersen (Eds.) Researching and Teaching Social Issues: The Personal Stories and Pedagogical Efforts of Professors of Education. Lanham, MD: Lexington Books.

- 15 Totten, S. & Pedersen, J.E. (2007). Introduction: Addressing Social Issues in the Classroom and Beyond: The Pedagogical Efforts of Pioneers in the Field. In, Sam Totten and Jon Pedersen (Eds.) Addressing Social Issues Across the Curriculum: The Pedagogical Efforts of Pioneers in the Field. Information Age, Greenwich, CT.
- 16 Totten, S. & Pedersen, J.E. (2007). Introduction: The Study of Social Issues: Major Innovations, Models, Approaches Programs. In, Sam Totten and Jon Pedersen (Eds.) The Study of Social Issues: Major Innovations, Models, Approaches Programs. Information Age, Greenwich, CT.
- 17 Pedersen, J.E. & Finson, K. (2009). Introduction: Understanding and Applying Visual Data to Research in Education. In, Jon Pedersen and Kevin Finson (Eds.) Understanding and Applying Visual Data to Research in Education. Sense Publishing Inc., The Netherlands.
- 18 Totten, S. & Pedersen, J.E. (2009). Introduction. In Samuel Totten and Jon Pedersen (Eds.) Social Issues and Community Service/Service Learning at the Middle Level. Allyn and Bacon.
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- 20 Pedersen, J.E. (2012). James Beane’s Integrated Curriculum. In Samuel Totten, & Jon E. Pedersen, (Eds.) Social Issues Education: An Annotated Bibliography Volume I. Information Age Publishing, Charlotte, NC.
- 21 Pedersen, J.E. & Sadler, T. (2012). Science Technology, Society and Socioscientific Issues: The Evolution of a Social Issues Approach to Teaching Science, pp. 369-390. In Samuel Totten, & Jon E. Pedersen, (Eds.) Social Issues Education: An Annotated Bibliography Volume I. Information Age Publishing, Charlotte, NC.
- 22 McGowan, T. & Pedersen, J.E. (2012). No Longer “Ph.D.-Lite”: Establishing a Professional Practice Doctorate of Substance. In Margaret Latta and Susan Wunder (Eds.), Placing Practitioner Knowledge at the Center of Teacher Education-- Rethinking the Policy and Practice of the Education Doctorate. Information Age Publishing, Charlotte, NC.
- 23 Totten, S. & Pedersen, J.E. (2012). Introduction. In Samuel Totten and Jon Pedersen (Eds.) Analyzing, Discussing and Acting on Social Issues in the Classroom: An Annotated Bibliography, VOLUME 1. Information Age Publishing, Charlotte, NC.
- 24 Pedersen, J.E., Finson, K., Spector, B. & Jablon, P. (2013). Introduction. In Jon Pedersen, Kevin Finson, Barbara Spector & Paul Jablon (Eds.) Pioneers of Science Education. Information Age Publishing, Charlotte, NC.

- 25 Finson, K. & Pedersen, J.E. (2013). Introduction. In Kevin Finson & Jon Pedersen (Eds.) Visual Data in Science Education. Information Age Publishing, Charlotte, NC.
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- 28 Pedersen, J.E, Kunz, G., Kostelnik, M.J. & Doll, B. (2016). "Promoting Successful Scholarship through Mentoring Relationships: One College's Approach." In K. C. Mansfield, A. D. Welton, & P. L. Lee (Eds) *Identity intersectionalities, mentoring, and work-life (in)balance: Educators (re)negotiate the personal, professional, and political*. Charlotte, NC: Information Age Publishing, Inc.
- 29 Nugent, G., Kunz, G., Houston, J., Kalutskaya, I., & Pedersen, J.E. (2016). "The Effectiveness of E-Coaching in Rural Science Classrooms." In Nugent, G., Kunz, G., Sheridan, S.M., Glover, T.A., & Knoche, L.L. *Rural Education Research in the United States: State of Science and Emerging Directions*.
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- 2 Pedersen, J.E. & Bonnstetter, R.J. (1990). A conversation about S/T/S. Science Scope. 13(4), p 49.
- 3 Pedersen, J.E. (1991). Bubble-ology as Instructional Media for Science. Instructional Media Quarterly. 26(1), p11.
- 4 Pedersen, J.E. & McCurdy, D. (1991). The effects of hands-on minds-on teaching experiences on pre-service elementary teachers' attitudes towards teaching science. Science Education. 76(2), p141-146.

- 5 Weinmiller, J., Pedersen, J.E. & Bonnstetter, R.J. (1991). The rocket project. Science Scope. 15(2), p18-23.
- 6 O'Dell, J.K. & Pedersen, J.E. (1992). PSInet as a tool for classroom learning. Technology and Teacher Education Annual, October, p524-526.
- 7 Pedersen, J.E. (1992). Take issue with science. Science Scope. 15(8), p34-37.
- 8 Pedersen, J.E. (1992). The effects of cooperative controversies, presented as STS issues, on anxiety and achievement in secondary science classrooms. School Science and Mathematics Journal. 92(7), p374-380.
- 9 Pedersen, J.E. & Thomas, J. (1992). An Indoor Study of the Great Outdoors. Science and Children. 29(7), p18-19.
- 10 Pedersen, J.E. & Totten, S. (1992). Status of Middle Schools in the State of Arkansas: A Survey of Superintendents' and Principals' Perceptions. Current Issues in Middle Level Education. 1(2), p39-64.
- 11 Totten, S. & Pedersen, J.E. (1993). Strengthening community service projects in middle schools by under girding them with the study of pertinent social issues. Current Issues in Middle Level Education. 2(1), p16-30.
- 12 Totten, S. & Pedersen, J.E. (1993). Taking action at the local level: The study of social issues in the middle school. Inquiry in Social Studies: Curriculum, Research, and Instruction. 29(1), p19-33.
- 13 Pedersen, J.E. & Garcia, H. (1994). The Bolivia Instructional Enrichment Partnership. Science Education International. 4(3), p6-8.
- 14 Gartin, B.C., Digby, A.D. & Pedersen, J.E. (1994). Reality vs. best practices: Empowering transescent students through cooperative learning activities. Current Issues in Middle Level Education. 3(1), p103-111.
- 15 Garcia, H. & Pedersen, J.E. (1994). Educational reform: One country's dilemma. Science Education International. 5(2), p11-13.
- 16 Totten, S., Pedersen, J.E., Wilson, S, & Nielsen, W. (1995). Turning the corner: The development of a middle level teacher education program. Current Issues In Middle Level Education. 4(2), p 46-64.
- 17 Pedersen, J.E. (1996). Towards authentic assessment: Modeling in a science methods class. Current Issues in Middle Level Education. 5(1), p17-49.
- 18 Totten, S. & Pedersen, J.E. (1996). Social Studies student's perceptions and knowledge of social issues: A national study. Inquiry in Social Studies. 32(1), p22-46.

- 19 Joyner, R.L., Pedersen, J.E. & Parke, H.M. (1998). Marketing Education's Commitment to Scientific Literacy: Enabling Adolescents to Make Informed Decisions. Business Education Forum. 52(3), p28-30.
- 20 Rioseco, M., Romero, R. & Pedersen, J.E. (1998). Warming up to Physics. The Science Teacher. 65(1), 24-28.
- 21 Yerrick, R.K., Pedersen, J.E. & Aranson, J. (1998). "We're just spectators": A case study of science teaching, epistemology and classroom management. Science Education, 83(6), 619-630.
- 22 Yerrick, R.K. & Pedersen, J.E. (1998). Model Limitations. The Science Teacher. 65(7), p48-51.
- 23 Bullock, A.A. & Pedersen, J.E. (1999). Interdisciplinary Teams: A University Approach. Middle School Journal. 30(3), 21-27.
- 24 Pedersen, J.E. & Sheerer, M.A. (1999). Building Sustained Partnerships: Collaborative Action Research as a Catalyst. North Carolina Journal of Teacher Education. 12(1), 126-133.
- 25 Pedersen, J.E. & Yerrick, R.K. (2000). Technology in Science Teacher Education: A Survey of Current Uses and Desired Knowledge Among Science Educators. Journal of Science Teacher Education. 11(2), 131-153.
- 26 Pedersen, J.E. & Thomas, J. (2000). Experience is the Best Teacher: An International Study of Episodic Memory in Elementary Science Teacher Preparation. Science Education International. September, 11(3), 26-29.
- 27 Thomas, J., Pedersen, J.E. & Finson, K.D. (2001). Validation of the Draw-A-Science-Teacher-Checklist (DASTT-C). Journal of Science Teacher Education. 12(4), 295-310.
- 28 Pedersen, J.E. & Totten S. (2001). Beliefs of Science Teachers Towards the Teaching of Science/Technological/Social Issues: Are We Addressing National Standards? Bulletin of Science, Technology & Society 21(5), 376-393.
- 29 Pedersen, J.E. (2002). Educational Research: Directions and Implications. Science Education International. 12(1), 20-22.
- 30 Odum, L.A., Settlage, J. & Pedersen, J.E. (2002). Technology Knowledge and Use: A Survey of Science Educators. Journal of Science Education and Technology. 11(4), 389-396.
- 31 McCarty, R. & Pedersen, J.E. (2002). Making the Invisible Visible: The Oklahoma Science Project. Science Education International, 13(3), pp.16-22.

- 32 Thomas, J. & Pedersen, J.E. (2003). When Do Science Teachers Learn to Teach? A Comparison of School Children's and Preservice Teachers' Science Teacher Illustrations. School Science and Mathematics Journal. 103(7): 1-12.
- 33 Türkmen, H. & Pedersen, J.E. (2003). Learning environments in our classrooms: International student's perspectives. Science Education International. 14(1): 5-10.
- 34 Marek, E.A., Laubach, T. & Pedersen, J.E. (2003). Preservice Elementary School Teachers' Understandings of Theory Based Science Education. Journal of Science Teacher Education. 14(3): 147-159.
- 35 Crawley, F.E. & Pedersen, J.E. (2004). Collaborating with science teachers to study learning: A case study. Electronic Journal of Science Education, 7(3): http://ejse.southwestern.edu/volumes/volume_list.html
- 36 Settlage, J., Odum, L.A. & Pedersen, J.E. (2004). Uses of Technology by Science Education Professors: Comparisons with Teachers' Uses and the Current versus Desired Technology Knowledge Gap. Contemporary Issues in Technology and Teacher Education. 4(3): <http://www.citejournal.org/vol4/iss3/maintoc.cfm>.
- 37 Türkmen, H. & Pedersen, J.E. (2005). Examining the technological history of Turkey's impacts on teaching science. Science Education International. 17(2): 115-123.
- 38 Gilbert, S., Pedersen, J.E. & Mason, C. (2005). Survey of Changes in Science Teacher Preparation Programs Responding to Performance-Based Science Standards. Electronic Journal of Science Education. 9(3): <http://wolfweb.unr.edu/homepage/crowther/ejse/ejsev9n3.html>
- 39 Wallace, E. & Pedersen, J.E. (2005). Evaluative Case Study of a Summer Academy Program. Electronic Journal of Science Education. 9(4): <http://wolfweb.unr.edu/homepage/crowther/ejse/ejsev9n4.html>
- 40 Finson, K., Pedersen, J.E. & Thomas, J. (2006). Comparing Science Teaching Styles to Students' Perceptions of Scientists. School Science and Mathematics Journal. 106(1), 8-15.
- 41 Pedersen, J.E. & Marek, E.A. (2007). PDAs as an Instructional and Reflective Tool in the Science Classroom. Contemporary Issues in Technology and Teacher Education. 7(1): <http://www.citejournal.org/vol4/iss3/maintoc.cfm>.
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- 43 McCann, F., Marek, E.A., Pedersen, J.E. & Falsarella, C. (2007). CLSI: Cool Life Science Investigations. Science and Children. 44(9), 26-29.
- 44 Yılmaz, H., Türkmen, H., Pedersen, J.E. & Cavas, P.H. (2007). Evaluation of Science Educational Reform via Pre-Service Teachers' Images of Science Teaching in Turkey. *Asia-Pacific Forum on Science Learning and Teaching (APFSLT)*, 8(1), Article 2.
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- 51 Sayler, F.M., Pedersen, J.E., Smith, C.M., & Cutright, M. (2017). Hidden leaders: The results of the national study of associate deans. Studies in Higher Education, 1-11.
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OTHER PUBLICATIONS

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- 5 Pedersen, J.E. (1997). Development in Practice: Primary Education in India [A review of Development in Practice: Primary Education in India]. International Education Forum, 17(2), 171-174.
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- 9 Pedersen, J.E. & Sheerer, M.A. (1999). On the Threshold of the 21st Century: Portraits of the Challenges and Opportunities in Conducting Collaborative Action Research. In, C. Maidon (Ed.) Partnership for Excellence in Education: Practices, Issues and Research. North Carolina State University, NC. 62-68.
- 10 Pedersen, J.E. (1999). Recreating Colleges of Teacher Education: East Carolina University: On the Brink of Exemplary Practice in Teacher Education. BellSouth Report.
- 11 McDaniel, T. & Pedersen, J.E. (1999). The Structure of Schools and Colleges of Education. A Report to the School of Education, East Carolina University.

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- 13 Gilbert, S., Pedersen, J.E., Mason, Colbert-Cormier, P.C., Dewey, G., Gess-Newsome, J., Lunetta, V., McMahon, M. & Sieggreen, D. (2003). Standards for Science Teacher Preparation. The National Science Teachers Association. HYPERLINK www.nsta.org/main/pdfs/NSTASTandards2003.pdf.
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- 26 Pedersen, J.E. (2020). Will COVID-19 be the death of summer vacation? *The Conversation*, April 13th. <https://theconversation.com/will-covid-19-be-the-death-of-summer-vacation-135776>

Opinion/Editorial

1. Pedersen, J.E. (December 18th, 2016). How we're challenging the next generation of teachers. The State.
2. Pedersen, J.E. (August 28th, 2016). Numbers obscure USC's work training teachers. The State.
3. Pedersen, J.E. (July 2nd, 2017). SC schools can't keep teachers, and USC wants to help. The State.
4. Pedersen, J.E. (November 2nd, 2017). We can't recruit ourselves out of our teacher shortage. The State.
5. Pedersen, J.E. (June 26th, 2018). TERI isn't a good solution to SC teacher shortage, but it's the best one we've got. The State.
6. Pedersen, J.E. (June 26th, 2018). USC College of Education making a difference for S.C. The State.
7. Pedersen, J.E. (November 16th, 2019). No more education reform. It's time to transform communities. The Post and Courier.

GRANTS

Co-Principal Investigator: Pedersen, J.E. & Snider, D. (1991). Carnegie Corporation Continuation Grant: Old High Middle School. (\$22,500.00).

Principal Investigator: Pedersen, J.E., (1992). Assessment of High School Students Perceptions of Social Issues, Mini-Grant. (\$1,600.00).

Co-Principal Investigator: Pedersen, J.E. & O'Dell, J.K. (1991). Off campus education through two-way video/audio. University of Arkansas (\$150,000.00).

Co-Principal Investigator: Pedersen, J.E. & Totten, S. (1992). The Development of a Center for Middle Level Education. Winthrop Rockefeller Foundation (\$352,939.00).

Principal Investigator: Pedersen, J.E. (1992). Providing for a connection to a national bulletin board system. Foundation for the Mid-South (\$900.00).

Co-Principal Investigator: Limp, F.W. & Pedersen, J.E. (1993). Mission Arkansas: Teacher Development and Dissemination K-12 Science-Mathematics using Space based Data and Geographic Information Systems. National Science Foundation (\$34,801.00).

Co-Principal Investigator: Pedersen, J.E. & Nielsen, W. (1994). K-4 Math/Reading/Science Crusade. Arkansas Department of Higher Education Eisenhower Funds (\$110,000.00).

Co-Principal Investigator: Pedersen, J.E. & Nielsen, W. (1994). K-4 50/50 Matching Grant. Arkansas Department of Higher Education Eisenhower Funds (\$12,000.00).

Co-Principal Investigator: Pedersen, J.E. (1995). K-4 Math/Reading/Science Crusade. Arkansas Department of Higher Education Eisenhower Funds (\$110,000.00).

Co-Principal Investigator: Pedersen, J.E. & Lefever-Davis, S. (1995). K-4 Math/Reading/Science Crusade. Arkansas Department of Higher Education Eisenhower Funds (\$107,266.00).

Co-Principal Investigator: Pedersen, J.E. & Lefever-Davis, S. (1995). K-4 50/50 Matching Grant. Arkansas Department of Higher Education Eisenhower Funds (\$7,900.00).

Principal Investigator: Pedersen, J.E. (1996). Faculty Computer Program. University of Oklahoma. (\$2,500.00).

Co-Principal Investigator: Pedersen, J.E. (1996). Current Reform Efforts: The Role of Social Issues in the Extant Science Curriculum. The Thomas W. Rivers Endowment Fund: Faculty Travel. Travel money to present an invited paper at the University of Concepcion, Concepcion, Chile, SA. (\$6,500.00).

Co-Principal Investigator: Parke, H. & Pedersen, J.E. (1997). Professional Development and ABC's." Eisenhower Title II Funds. (\$20,000.00).

Co-Principal Investigator: Parke, H.M. & Pedersen, J.E. & Joyner, R.L. (1998). Science in the Age of the ABC's: A Plan for Professional Development Phase II. (\$30,000.00).

Co-Principal Investigator: Spence, D.L. & Pedersen, J.E. (1999). Global Partnership Schools: A Model for U.S.-Japan Education Collaboration in the 21st Century. The United States-Japan Foundation, Tokyo, Japan. (\$84,700.00).

Co-Principal Investigator: Pedersen, J.E. & Marek, E.A. (2001). Improving and Integrating Technology in Science Methods. College of Education Technology Committee. (\$19,500.00).

Co-Principal Investigator: Pedersen, J.E. & Marek, E.A. (2002). Improving and Integrating Technology in Science Methods. College of Education Technology Committee: DVD-RW/Hard-drive (\$1,000.00).

Co-Principal Investigator: Gram, W. & Pedersen, J.E. (2003). Building Scientific Literacy through Investigation. Learning Opportunities Grant (\$304,501.00).

- Co-Principal Investigator:** McCann, P. & Pedersen, J.E. (2005). NanoNet Outreach: Introducing School-Age Children to the Energetic Nature of Light, EPSCOR (\$19,292.00).
- Co-Principal Investigator:** Patterson, J., Marek, E.A., Pedersen, J.E. & Gram, W. (2005). Infusing Inquiry into Elementary School Science. Oklahoma MSP (\$250,000.00).
- Co-Principal Investigator:** O’Hair, M.J., Cate, J.L. & Pedersen, J.E. (2006). Improving Science Achievement in Ardmore Public Schools. (\$75,000.00).
- Co-Principal Investigator:** McCann, P. & Pedersen, J.E. (2006). NanoNet Outreach: Elementary School Children Explore the Energetic nature of Light. EPSCOR (\$20,168.00).
- Co-Principal Investigator:** O’Hair, M.J., Pedersen, J.E., Atkinson, L. & Cate, J. (2006). K20 OSP Model: Rural Science Teacher Development Through Lesson Study, Authentic Research Experiences, and Professional Learning Communities. NSF (\$994,297.00).
- Co-Principal Investigator:** Patterson, J., Marek, E.A., Pedersen, J.E. & Gram, W. (2007). Infusing Inquiry into Elementary School Science. Oklahoma MSP (\$250,000.00).
- Co-Principal Investigator:** O’Hair, M.J., Pedersen, J.E. & Cate, J. (2008). Improving Science Achievement in Ardmore Public Schools. Ardmore Public Schools (\$30,000.00).
- Co-Principal Investigator & Executive Director:** Sulkoski-Benson, S., Pedersen, J.E. & Bonnstetter, R.J. (2009). Exxon Mobil Bernard Harris Summer Science Camp. (\$79,233.00).
- Principal Investigator:** Pedersen, J.E. (2009). Exxon Mobil Bernard Harris Summer Science Camp. (\$80,000.00).
- Principal Investigator:** Pedersen, J.E. & Heng-Moss, T. (2010). Teachers in Residence: A Soybean Research Project. (\$20,000.00).
- Principal Investigator:** Pedersen, J.E., Heng-Moss, T., Claes, D. & Lewis, E.B. (2010). UNL Science Scholars Program- National Science Foundation. (\$1,200,000.00).
- Co-Principal Director:** Pedersen, J.E., Heng-Moss, T. (2008). Enhancing Secondary Science Education, Program of Excellence, University of Nebraska. (\$1,550,000.00).
- Co-Principal Director:** Pedersen, J.E., Heng-Moss, T (2009). NU-Teach, Nebraska Research Initiative. (\$299,976.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2010). Food & Agriculture Research Experience for Teachers, United Soybean Board/Smith/Bucklin, Industry, Public Service. (\$25,500.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2011). Food and Agriculture Research Experiences for Teachers– Expanding the Model to Northeast Nebraska, Nebraska Soybean Board. (\$24,500.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2011). Food and Agriculture Research Experiences for Teachers– Expanding the Model to Beyond Nebraska, United Soybean Bean Board. (\$177,500.00).

Co-Principal Investigator: Pedersen, J.E. (2011). UNO-NASA Space Grant Consortium Teacher Training, NASA Space Grant Consortium. (\$10,257.00).

Co-Principal Investigator: Kunz, G., Nugent, G. & Pedersen, J.E. (2011). Innovations in Early Childhood Science Education, University of Nebraska Strategic Research Cluster. (\$7,500.00).

Co-Principal Investigator: Kunz, G., Nugent, G., Bovaird, J. & Pedersen, J.E. (2011). Coaching Scientific Inquiry Professional Development, Nebraska Coordination Committee for Post-Secondary Education. (\$79,568.00).

Co-Principal Investigator: Claes, D, Pedersen, J.E., Snow, G. & Welch, G. (20013). Action at a Distance National Science Foundation (\$550,000.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Building Science Literacy Through Engagement in Community and Environmental Stewardship. IANR Big Ideas Seminar Series (\$3,600.00).

Co-Principal Investigator: Kunz, G., Nugent, G. & Pedersen, J.E. (2013). Coaching for Sustainability. Nebraska Coordinating Commission for Postsecondary Education, (\$79,000.00).

Co-Principal Investigator: Pedersen, J.E. & Lewis, E.G. (20013). Midwest Regional Noyce Connections, NSF, Federal, Public Service. (\$799,420.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Food & Agriculture Research Teachers Beyond NE, United Soybean Board/Smith/Bucklin, Industry, Instruction/Training, (\$20,850.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Food & Agriculture Research Experience for Teachers, NE Soybean Board, Associations/Foundations, Public Service, (\$71,000.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Building Science Literacy Through Engagement in Community and Environmental Stewardship, IANR Big Ideas Seminar Series, Universities, Research. (\$3,600.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Food & Agriculture Research Experience for Teachers, United Soybean Board/Smith/Bucklin, Industry, Public Service, (\$77,900.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Food & Agriculture Research Experience for Teachers, NE Soybean Board, Associations/Foundations, Public Service. (\$46,000.00).

Co-Principal Investigator: Pedersen, J.E., Heng-Moss, T. (2013). Food & Agriculture Research Experience for Teachers, United Soybean Board/Smith/Bucklin, Industry, Public Service. (\$78,000.00).

Principal Investigator: Pedersen, J.E. & Berry, B. (2019). Accelerator for Leading and Learning for South Carolina (ALL4SC), University of South Carolina Excellence Initiative, (\$2,800,000.00).

PRESENTATIONS

1. Pedersen, J.E. & Bonnsetter, R.J. (1988). Bubble-ology. A presentation to the NSTA national meeting, St. Louis, MO.
2. Bonnsetter, R.J., Pedersen, J.E. & Crow, J.W. (1989). Role of the teacher in developing critical thinking skills. A paper presented to the NSTA national meeting, Seattle, WA.
3. Pedersen, J.E. & McCurdy, D. (1989). The evolution of an exemplary elementary science methods course. A paper presented to the NSTA national meeting, Seattle, WA.
4. Pedersen, J.E. (1990). Anxiety towards science in an S/T/S setting. A paper presented to the NSTA national meeting, Atlanta, GA.
5. Pedersen, J.E. (1990). Circuits and STS Issues. A display presented to the National Gifted and Talented Conference, Little Rock, AR.
6. Pedersen, J.E., Clementson, J. & McCurdy, D. (1990). The effects of hands-on minds-on teaching experiences on anxiety levels of pre-service elementary teachers. A paper presented to the NSTA national meeting, Atlanta, GA.
7. Pedersen, J.E., Clementson, J. & Saunders, G. (1990). Hands-on minds-on elementary science activities. A presentation to the national meeting of the NSTA national convention, Atlanta, GA.

8. Pedersen, J.E. & McCurdy, D. (1990). The effects of hands-on minds-on teaching experiences on pre-service elementary teachers attitudes towards teaching science. A paper presented to the NARST international meeting, Atlanta, GA.
9. Pedersen, J.E. & Curtright, R. (1991). A six-step model for STS implementation. A paper presented to the NSTA national meeting, Houston, TX.
10. Pedersen, J.E. (1992). A Qualitative Study of the Effects of STS Issues on High School Chemistry Students. A paper presented to the NARST international meeting, Boston, MA.
11. Nielsen, W., Pedersen, J.E. & Totten, S. (1992). Developing a quality middle level teacher education program: What you can do. A presentation given to the national meeting of the National Middle School Association, San Antonio, TX.
12. Pedersen, J.E. & O'Dell, J.K. (1992). PSInet as a classroom tool. A paper presented to the Association for Educational Communications and Technology national meeting, Washington D.C.
13. Pedersen, J.E. & O'Dell, J.K. (1993). Knowledge and understanding of technology: What science teacher educators know. A paper presented to the international meeting of the NARST international meeting, Atlanta, GA.
14. Totten, S., Nielsen, W. & Pedersen, J.E. (1993). University and School Partnerships. A presentation to the National Middle Level Associations national meeting, Portland, OR.
15. Pedersen, J.E. (1994). The Bolivian instructional enrichment partnership. A paper presented to the national NSTA (AETS strand) meeting, Anaheim, CA.
16. Pedersen, J.E. (1994). STS: Integrating math and science the natural way. A paper presented to the national NSTA meeting, Anaheim, CA.
17. Pedersen, J.E. & Totten, S. (1994). Students knowledge and perceptions of social issues. A paper presented to the NARST international meeting, Anaheim, CA.
18. Pedersen, J.E. & Hehr, L. (1995). Mission: Arkansas, Using Space Based Data and Geographic Information Systems for Teaching Science and Math. A presentation at the NSTA Annual Meeting, Philadelphia, PA.
19. Totten, S. & Pedersen, J.E. (1995). Service with a smile: A panel discussion on service learning and community service. A presentation to the National Middle Level Association's national meeting, New Orleans, LA.
20. Pedersen, J.E. (1996). Beliefs of science teachers towards the implementation of controversial social/technological issues as part of the extant curriculum. A paper presented at the annual meeting of NARST, St. Louis, MO.

21. Pedersen, J.E. & Parke, H.M. (1996). "If you put lipstick on a pig, you still have a hog." A presentation at the National Science Teachers Association's annual meeting, New Orleans, LA.
22. Thomas, J., French, J.M. & Pedersen, J.E. (1996). "Elementary science teacher education: Who are we? A paper presented at the annual meeting of The Association for the Education of Teachers in Science National Convention, Cincinnati, OH.
23. Joyner, R.L. & Pedersen, J.E. (1997). Hogs, Sand and Fish: An Interdisciplinary approach for science and business. A presentation at the National Seminar on Teacher Learning in the Workplace and Community, Madison, WI.
24. Pedersen, J.E. & Joyner, R.L. (1997). "Jigsaw: A Model for Encouraging Student Interest in Reading," Cochabamba Cooperative School Faculty, Cochabamba Cooperative School, Cochabamba, Bolivia, South America, June 5.
25. Pedersen, J.E. & Joyner, R.L. (1997). "Professional Development Needs of Computer Education Teachers," Tiquipaya School Faculty, Tiquipaya, Cochabamba, Bolivia, South America, June 5.
26. Pedersen, J.E. & Joyner, R.L. (1997). "Reform in Higher Education and Teacher Preparation," Universidad Privada Boliviana, Cochabamba, Bolivia, South America, June 5.
27. Pedersen, J.E. & Joyner, R.L. (1997). "Cooperative Learning Strategies," Bolivian Educators, Cochabamba, Bolivia, South America, June 2, 3, and 4.
28. Pedersen, J.E. & Joyner, R.L. (1997). "Contemporary Higher Education in the United States of America," Universidad San Simon, Cochabamba, Bolivia, South America, June 3 and 4.
29. Pedersen, J.E. & Joyner, R.L. (1997). "Computer Education for the 21st Century," Cochabamba Cooperative School, Cochabamba, Bolivia, South America, June 3.
30. Pedersen, J.E. & Joyner, R.L. (1997). "From Rhetoric to Reality: Reform Efforts in Science and Technology Teacher Education Training," Universidad de Concepcion Faculty, Universidad de Concepcion, Concepcion, Chile, South America, May 28.
31. Pedersen, J.E. & Joyner, R.L. (1997). "Curriculum Reform in Science and Technology Education," Universidad de Concepcion, Concepcion, Chile, South America, May 28.
32. Pedersen, J.E. & Joyner, R.L. (1997). "Implementing Distance Learning for Science and Technology Education via the Internet and CU-See-Me Technology, Science

- and Technology Education Faculty, Universidad de Concepcion, Concepcion, Chile, South America, May 28.
33. Pedersen, J.E. & Joyner, R.L. (1997). "Teacher Education Assessment," Universidad de Concepcion, Concepcion, Chile, South America, May 27.
 34. Pedersen, J.E. & Joyner, R.L. (1997). "Trends and Issues in Science and Technology Education," Universidad de Concepcion, Concepcion, Chile, South America, May 26.
 35. Pedersen, J.E. & Joyner, R.L. (1997). "School to Career Transition," Universidad de Concepcion, Concepcion, Chile, South America, May 26.
 36. Pedersen, J.E. & Joyner, R.L. (1997). "Microcomputer Applications for Reform in Math and Science Education," Math, Science and Technology Education Faculty, Universidad de Concepcion, Concepcion, Chile, South America, May 26.
 37. Thomas, J. & Pedersen, J.E. (1998). Draw-A-Science Teacher: A Visualization of Beliefs and Self-Efficacy. A presentation at the Association for the Education of Teachers in Science international meeting, Minneapolis, MN.
 38. Pedersen, J.E. & Doster, E. (1998). A Tale of Two Teachers: The Paradox of Methodology & Content. A presentation at the Association for the Education of Teachers in Science international meeting, Minneapolis, MN.
 39. Doster, E., Pedersen, J.E., Wallace, J., Wicker, A., Spence, L., Stubbs, H. & Mintzes, J. (1998). Planning and Implementing a Statewide Environmental Education Course via the Telecommunications Network: Strategies, Solutions, and Outcomes. A presentation at the Association for the Education of Teachers in Science international meeting, Minneapolis, MN.
 40. Pedersen, J.E. & Thomas, J. (1998). Draw-A-Science-Teacher-Test: Preservice Elementary Teachers Perceptions of Classroom Experiences. A presentation at the National Association of Researchers in Science Teaching international meeting, San Diego, CA.
 41. Mizell, S., Parke, H.M. & Pedersen, J.E. (1998). Perceptions of Preservice Elementary Teachers Teaching Science. A presentation at the National Association of Researchers in Science Teaching international meeting, San Diego, CA.
 42. Pedersen, J.E. & Parke, H.M. (1998). Don't Roll the Dice...Make Change and Reform Happen in Your School. A presentation at the National Science Teachers Association international meeting, Las Vegas, NV.
 43. Pedersen, J.E., Bonnstetter, R.J., Thomas, J., Crowther, D.T. & Cannon, J. (1998). JACKPOT!! Forty Physical, Life, and Earth Science Demonstrations for Your

- Classroom. A presentation at the National Science Teachers Association international meeting, Las Vegas, NV.
44. Pedersen, J.E., Sheerer, M.A., Crawley, F.E. & Emtzinger, F. (1999). Portraits of Partnerships: Reflections of K-12 University Practice Through Collaborative Action Research Projects “Focusing on the future: What really works?” A paper presented at the American Association of Colleges for Teacher Education national meeting, Washington D.C.
 45. Pedersen, J.E., Sheerer, M.A., Ringeisen, R., Anderson, P. & Miller, P. (1999). Tackling Dilemmas in Higher Educational Reform: Faculty Reward and the Evolution of Scholarship. A paper presented at the American Association of Colleges for Teacher Education national meeting, Washington D.C.
 46. Pedersen, J.E. & Thomas, J. (1999). Draw-A-Science-Teacher Checklist: Children’s Perceptions of Teaching Science. A presentation at the National Association of Researchers in Science Teaching international meeting, Boston, MA.
 47. Thomas, J. & Pedersen, J.E. (1999). Experience is the Best Teacher: A Study of Episodic Memory in Science Teacher Preparation. A presentation at the Association for the Education of Teachers in Science international meeting, Austin, TX.
 48. Finson, K.D., Thomas, J. T., Pedersen, J.E., Olson, J. Riggs, I.M., Jesunathadas, J., Barman, C.R., Pyle, E. & Yap, K.C. (1999). Redevelopment of the Draw-A-Science Teacher Test (DASTT-C) Checklist. A presentation at the Association for the Education of Teachers in Science international meeting, Austin, TX.
 49. Pedersen, J.E. & Bullock, A.A. (1999). Using Graphic Organizers to Understand and Plan for Integrated Instruction. A presentation at the National Middle School Association annual meeting, Orlando, FL.
 50. Pedersen, J.E., Sheerer, M.A., et. al. (2000). On the Threshold of the 21st Century: Portraits of the Challenges and Opportunities in Recreating Colleges and Schools of Education. A presentation at the American Educational Research Association international meeting, New Orleans, LA.
 51. Pedersen, J.E. & Thomas, J. (2000). Vivid Images and Episodic Memory: Establishing Pre-Service Teachers’ Perceptions of Teaching. A presentation at the National Association for Researchers in Science Teaching international meeting, New Orleans, LA.
 52. Thomas, J., Pedersen, J.E. & Finson, K.D. (2000). Validating the Draw-A-Science Teacher-Test Checklist (DASTT-C). A presentation at the Association for the Education of Teachers in Science international meeting, Akron, OH.
 53. Sugar, W., Parke, H.M. & Pedersen, J.E. (2001). Collaborative University-Public School Partnerships: Development of an Online Network for School of Education

Faculty and Public Schools. SITE - Society for Information Technology and Teacher Education International Conference, Orlando, FL.

54. Pedersen, J.E., Crawley F.E. & McDaniel, T. (2001). Building Sustained Partnerships: Collaborative Action Research as a Catalyst for University-School Relationships...Multiple Interpretations of School-University Partnerships. A presentation at the National Association for Researchers in Science Teaching international meeting, St. Louis, MO.
55. Crawley, F.E. & Pedersen, J.E. (2001). Collaborating With Science Teachers to Study Learning: Three Case Studies. A presentation at the American Educational Research Association international meeting, Seattle, WA.
56. Thomas, J. & Pedersen, J.E. (2001). When Do Science Teachers Learn to Teach? A Comparison of School Children's and Preservice Teachers' Science Teacher Illustrations. A presentation at the Association for the Education of Teachers in Science international meeting, San Marcos, CA.
57. Pedersen, J.E. & Totten, S. (2001). Beliefs of Science Teachers Towards the Teaching of Science/Technological/Social Issues: Are We Addressing National Standards? A presentation at the National Association for Science Technology and Society international meeting, Baltimore, MD.
58. Pedersen, J.E. (2001). Insights and Direction for the STS: Where are We, What are the Obstacles, and What is our Future? Plenary Invited Speaker at the National Association for Science Technology and Society international meeting, Baltimore, MD.
59. Pedersen, J.E. & Bonnstetter, R.J. (2002). NCATE Standards and how SPA's are addressing them. A panel discussion at the AACTE 54th Annual Meeting, New Orleans, LA.
60. Thomas, J. & Pedersen, J.E. (2002). What's happening here? NVIVO analysis of preservice images of elementary science teachers at work. A presentation at the Association for the Education of Teachers in Science international meeting, Charlotte, NC.
61. Marek, E.A., Laubach, T. & Pedersen, J.E. (2002). Preservice Elementary School Teachers' Understandings of Theory Based Science Education. A presentation at the Association for the Education of Teachers in Science international meeting, Charlotte, NC.
62. Luft, J., Abell, S., Pedersen, J.E., Gess-Newsome, J. & Staver, J. (2002). Preconference workshop: scholarly writing and publishing. A presentation at the Association for the Education of Teachers in Science international meeting, Charlotte, NC.

63. Pedersen, J.E., Barman, C., Crawley, F.E., Marek, E.A. & Laubach, T. (2003). Building and Sustaining Partnerships: Going Beyond Your Station to Improve Learning, A presentation at the Association for the Education of Teachers in Science international meeting, St. Louis, MO.
64. Laubach, T., Marek, E.A., Pedersen, J.E. (2003) Ruby Anniversary: Celebrating Forty Years of Excellence in Science Teaching for All. A presentation at the National Association for Researchers in Science Teaching international meeting, Philadelphia, PA.
65. Marek, E.A. & Pedersen, J.E. (2004). A Theory Base for Science Education. A Round Table presentation at the Association for the Education of Teachers in Science international meeting, Nashville, TN.
66. Gilbert, S., Pedersen, J.E., Mason, C. & Bonnsetter, R.J. (2004). Survey of Changes in Science Teacher Preparation Programs Responding to Performance-Based Science Standards. A paper presentation at the Association for the Education of Teachers in Science international meeting, Nashville, TN.
67. Finson, K., Pedersen, J.E. & Thomas, J. (2004). Comparing Science Teaching Styles to Students' Perceptions of Scientists. A paper presentation at the Association for the Education of Teachers in Science international meeting, Nashville, TN.
68. Gilbert, S., Pedersen, J.E., Mason, C. & Bonnsetter, R.J. (2004). Changes in Science Teacher Preparation Programs Responding to Performance-Based Science Standards. A presentation at the National Association for Researchers in Science Teaching international meeting, British Columbia, Canada.
69. Pedersen, J.E. (2005). Preservice Teachers Knowledge and Perceptions of Social Issues. A presentation at the Association for the Education of Teachers in Science international meeting, Colorado Springs, CO.
70. Marek, E.A., Pedersen, J.E. & Kamen, M. (2005). Models for Promoting Inquiry—The Learning Cycle and Beyond. A presentation at the National Science Teachers Association national meeting, Dallas, TX.
71. Pedersen, J.E. & Bonnsetter, R.J. (2005). Measuring and Developing Dispositions in Preservice Candidates---What You Can Do! A presentation at the AACTE annual meeting, Washington, D.C.
72. McCann, F. & Pedersen, J.E. (2006). Reflecting on experience as a science educator: One student's perspective. Association for Science Teacher Education's international meeting, Portland, OR.
73. McCann, F., Pedersen, J.E. & Marek, E.A. (2007). A Learning Cycle Approach for an After-School Science Enrichment Program. Association for Science Teacher Education's international meeting, Clearwater Beach, FL.

74. Pedersen, J.E., Norman, K. & Koch, J. (2007). Influencing Policy in an Era of NCLB: Why and How All Science Educators Need to be Involved, Association for Science Teacher Education's International meeting, Clearwater Beach, FL.
75. Crofford, G. & Pedersen, J.E. (2009). Impact of National Board Certification and Teacher Decision Making on Student Achievement, American Association of Colleges for Teacher Education, Chicago, IL.
76. Finson, K. & Pedersen, J.E. (2009). What are Visual Data and What Utility do they have in Science Education? Association for Science Teacher Education's international meeting, Hartford, CN.
77. Crofford, G. & Pedersen, J.E. (2009). Summer Science Institutes: Linking Inquiry and Classroom Practice. Association for Science Teacher Education's international meeting, Hartford, CN.
78. Crofford, G. & Pedersen, J.E. (2009). Relationship of Percentage of National Board-Certified Teachers with Student Achievement as Measured by End-Of-Instruction Exams at the Secondary Level in Oklahoma." Association for Science Teacher Education's international meeting, Hartford, CN.
79. Pedersen, J.E., Allan, B., Brownstein, E., Brunkhorst, H., & Wiley, D. (2009). Revising the NSTA Preservice Teacher Program Standards, National Science Teachers Association regional Meeting, Ft. Lauderdale, FL.
80. Pedersen, J.E., Allan, B., Brownstein, E., Brunkhorst, H., & Wiley, D. (2009). Revising the NSTA Preservice Teacher Program Standards, National Science Teachers Association annual Meeting, New Orleans, LA.
81. Pedersen, J.E. & Koch, J. (2009). What is ASTE? National Science Teachers Association annual Meeting, New Orleans, LA.
82. Pedersen, J.E., Peterson, J. & Joseph, S. (2009). Building Advocacy for Science Teacher Education, National Science Teachers Association annual Meeting, New Orleans, LA.
83. Pedersen, J.E. (2009). 21st Century Skills: What They Mean for Teachers. National Science Teachers Association annual Meeting, New Orleans, LA.
84. Pedersen, J.E. (2009). Innovative STEM Teacher Preparation Programs Congressional Breakfast Briefing, Washington, D.C.
85. Pedersen, J.E. & Heng-Moss, T. (2009). NU-Teach Partnerships. Association for Science Teacher Education's international meeting, Sacramento, CA.

86. Pedersen, J.E. (2010). Policy Roundtable, A presentation at the National Association for Researchers in Science Teaching international meeting, Philadelphia, PA.
87. Pedersen, J.E. & VanSickle, M. (2010). What is ASTE? National Science Teachers Association Annual Meeting, Philadelphia, PA.
88. Pedersen, J.E., Allan, B., Brownstein, E., Brunkhorst, H, & Wiley, D. (2010). Revising the NSTA Preservice Teacher Program Standards, National Science Teachers Association Annual Meeting, Philadelphia, PA.
89. Pedersen, J.E. & Patterson, J. (2010). Inquiry Made Easy. National Science Teachers Association Annual Meeting, Philadelphia, PA.
90. Pedersen, J.E. & Wojnowski, B. (2010). 21st Century Skills and Science Teaching. National Science Teachers Association Annual Meeting, Philadelphia, PA.
91. Pedersen, J.E. (2010). Presidential Address. Association for Science Teacher Education's international meeting, Sacramento, CA.
92. Pedersen, J.E. (2010). Town Hall Meeting—Advocacy for Science Teacher Education. Association for Science Teacher Education's international meeting, Sacramento, CA
93. Pedersen, J.E. & Tebo, Greg (2010). Soybeans in the Elementary Classroom. Nebraska Association for Teachers of Science, Fremont, NE.
94. Pedersen, J.E. & Wiley, D. (2011). ASTE Session: Information, Networking, and Support for Preservice and New Teachers. National Science Teachers Association annual Meeting, San Francisco, CA.
95. Pedersen, J.E., Wojnowski, B, et.al. (2011). Building Scientific Minds with NSTA Alliance of Affiliates. National Science Teachers Association annual Meeting, San Francisco, CA.
96. Pedersen, J.E. (2011). Measuring Teacher Inquiry Knowledge. National Association for Researchers in Science Teaching international meeting, Orlando, FL.
97. Nugent, G., Kunz, G., De Chene, S.E. & Pedersen, J.E. (2011). Teaching Beliefs and Science Efficacy. National Association for Researchers in Science Teaching international meeting, Orlando, FL.
98. Moscovici, H., Pedersen, J.E., Lawrenz, F., Ndunda, N. & Freitag, P. (2011). IRB in Science Education: Past and Present. Association for Science Teacher Education's international meeting, Minneapolis, MN.

99. Pedersen, J.E., Tilgner, P. & Rynearson, J. (2012). UNL Scholar Program. Nebraska Association for the Gifted, Omaha, NE.
100. Pedersen, J.E., Finson, K., Spector, B. & Jablon, P. (2012). Pioneers in Science Teacher Education – Going Back for our Future. Association for Science Teacher Education’s international meeting, Clearwater Beach, FL.
101. Pedersen, J.E., Allen, E. & Veal, W. (2012). Pre-service Teachers and Science Leadership: Collaborating in Support of New Teachers to Impact Student Learning, National Science Teachers Association, Phoenix, AZ.
102. Pedersen, J.E. (2012). A Roundtable Discussion on STEM Issues and Centers. Triangle Coalition, Washington, D.C.
103. Pedersen, J., Heng-Moss, T., (2013). Understanding the Next Generation Science Standards, Crop Science and Agronomy National Meeting, Tampa, Florida,
104. Pedersen, J., Kunz, G., Nugent, G., Marshall, J., Minner, D. (2013). Understanding Inquiry Classroom Practice through Measurement of Teacher Inquiry Skills, National Association for Research in Science Teaching, San Juan, PR.
105. Pedersen, J., Lewis, E., Musson, A., (2013). Growing Science Teachers: From Content to Pedagogy. Association for Science Teacher Education, Charleston, SC.
106. Pedersen, J., Finson, K., Jablon, P., Spector, B. (2013). Science Education Enterprise: Where Have We Been and Where Are We Going? Association for Science Teacher Education, Charleston, SC.
107. Pedersen, J., Finson, K. (2013). Student Learning: Networking About Visual Data. Association for Science Teacher Education, Charleston, SC.
108. Lewis, E., Musson, A. A., Pedersen, J., (2013). Growing Science Teachers: From Content to Pedagogy. Association for Science Teacher Education, Charleston, South Carolina,
109. Lewis, E.B., Musson, A.A., Pedersen, J.E. (2013). Growing Science Teachers: From Content to Pedagogy. Presentation at the annual meeting of the Association for Science Teacher Education.
110. Finson, K.D., & Pedersen, J.E. (2016). A pilot study examining eye tracking on visual science inscriptions. North Central Region of the Association for Science Teacher Education, Des Moines, IA.
111. Pedersen, J.E. (2017). A First Year’s Dean Experience. Council of Academic Deans for Research Education Institutions, Savannah, GA.

112. Pedersen, J.E. (2017). Center for Teaching Excellence: Panelist: New Faculty Academy—Leadership Week, University of South Carolina, Columbia, SC.
113. Pedersen, J.E. (2018). A First Year’s Dean Experience. Council of Academic Deans for Research Education Institutions, Tucson, AZ.
114. Pedersen, J.E. (2019). Establishing Fundraising Priorities. Council of Academic Deans for Research Education Institutions, Tampa, FL.
115. Pedersen, J.E. & Young, J. (2020). Putting Your Politics Aside: The Role of an Advocate. American Association of College of Teacher Education (AACTE) Day on the Hill. Washington, D.C.
116. Finson, K.D., Thomas, J., Pedersen, J.E., & Carnes, N. (2020, October 2). 20 years of the DASTT-C: What we do and do not know. Paper presented at the annual regional conference of the North Central Association for Science Teacher Education, Des Moines, IA (virtual).
117. Irvin, M. J., Berry, B., Pedersen, J., & Harrist, J. A. (2020, November). Creating a coherent rural school and community system. Paper presented at the annual meeting of the National Rural Education Association (virtual).
118. J., Pedersen, J.E., Carnes, N. Finson, K.D., & Thomas, J., (2021, January). Draw a Science Teacher Test: What we do and do not know. Paper presented at the annual Association for Science Teacher Education (virtual).

GRADUATE ADVISING (Chair/Co-Chair)

Graduated

Dan Carpenter, University of Nebraska-Lincoln
Chris Schaben, University of Nebraska-Lincoln
Hakan Türkmen, University of Oklahoma
Jana Walters, University of Oklahoma
William Arbuckle, University of Oklahoma
Tim Laubach, University of Oklahoma
Sam Mirano, University of Oklahoma
Dan Schafer, University of Nebraska-Lincoln
Marisol Birth, University of Nebraska-Lincoln
Raja Taha, University of Nebraska-Lincoln
Jamie Sabel, University of Nebraska-Lincoln

SERVICE IN THE UNIVERSITY, COLLEGE, OR DEPARTMENT

SERVICE IN THE UNIVERSITY, COLLEGE, OR DEPARTMENT	
1990-1991	Middle Level Task Force for Development of Middle Level Program, (Interim Chair), College
1990-1991	IBM Task Force for Development of Technology, College
1990-1991	Task Force for Improving Science and Math, University
1991-1992	Workload and Evaluation Committee, College
1991-1993	Laura Yater Scholarship Committee, College
1991-1992	Botany Curriculum Development Committee, University
1991	Professor to Bolivia, South America, College
1991	Arkansas Higher Education Task Force, College
1992	Partner School Participation Grant Committee, College
1992-1993	Computer Usage Committee, College
1992-1994	Faculty Grants and Awards Committee, College
1992	Technology Advisory Committee, College
1992-1994	Graduate Education Committee, College
1992-1995	Doctoral Admissions Committee for Curriculum and Instruction, Department
1993	Curriculum and Instruction Research Agenda Task Force, Chair, Department
1993-1994	NCATE Folio Preparation Committee: Science/Middle Level Education, Department
1993	ETEC Search Committee, Department
1993-1994	Speaker -- Cooperating Teacher/University Supervisor Seminar, College
1993-1997	Graduate Curriculum Committee, Chair, College
1993-1997	Graduate Education Committee, Secretary, College
1993-1997	Graduate Faculty, Secretary, College
1993-1997	Graduate Council, University
1993-1995	Graduate Curriculum Committee, University
1994-1996	Tenure and Promotion Committee, Department
1994-1996	Student Aide Committee, University
1994-1995	Chair, Search Committee for Elementary Mathematics Professor, Department
1995-1997	Chair, Personnel Committee, Department
1995-1997	Middle Level Committee, School
1995-1997	Dean's Advisory Council, School
1995-1998	Chair, Search Committee, Department
1995-1996	Chair, Tenure Committee, Department
1996-1997	Lora King Distinguished Chair Search Committee, School
1997-1998	Member of the Dean's Search Committee, School
1997-1998	Member of the Elementary/Middle Level Search Committee, School
1997-1999	Member of the Dean's Advisory Council, School
1997-1998	Member of the Recognition Committee, School

1997-2000	Member and Secretary of the Teaching Effectiveness Committee, University
1997-1998	Member of the Selection Committee for the Alumni Distinguished Teaching Award, School
1997-1998	Chair of the Personnel, Tenure and Promotion Committee, Department
1999-2000	Acting Chair, Department of Science Education, East Carolina University
2000-2001	Member of Search Committee ELPS, College of Education, The University of Oklahoma
2000-2009	Co-Chair Certification Committee, Science Education Program, ILAC Department, College of Education, The University of Oklahoma
2002-2004	Committee “A” Member, ILAC Department, College of Education, The University of Oklahoma
2004-2006	Chair of Mathematics Search Committee, ILAC Department, College of Education, The University of Oklahoma
2006-2007	Chair of ILAC Department Hardman Endowed Chair Search Committee, ILAC Department, College of Education, The University of Oklahoma
2007-2008	Chair of ILAC Department Chair Search Committee, ILAC Department, College of Education, The University of Oklahoma
2006-2009	International Liaison Committee, The University of Oklahoma
2006-2007	Renaissance Committee, The University of Oklahoma
2007-2008	Vice President for Research Advisory Committee, Member
2009-2010	TLTE Graduate Committee
2009-2010	TLTE Graduate Committee—Chair, Doctoral Subcommittee
2009-2010	Co-Chair Science Education Search
2011-2012	150 th Anniversary Celebration-Morril Act, Member
2010-2013	University of Nebraska-Lincoln, Graduate Committee, Member
2010-2013	University of Nebraska Executive Graduate Committee, Member
2010-2013	Teaching, Learning & Teacher Education Personnel Committee Member
2010-2011	Educational Advisory Committee, Entomology Department Member
2010-206	TLTE Personnel Committee, Committee Member
2010-2016	Vice Chancellor’s Research Advisory Board
2010-2016	Institute for Agricultural and Natural Resources Advisory Board
2010-2016	Executive Committee for Graduate Education, University of Nebraska-Lincoln
2016-Present	Council of Academic Deans, University of South Carolina, Member

SERVICE TO PROFESSIONAL ORGANIZATIONS

1991-1993	Member of Planning Committee for 1993 NSTA National Convention
1992	Committee on International Activities, NSTA

1991-1994	Manuscript review panel for <u>The Science Teacher</u>
1993	Co-editor of the Mid-South Journal for Middle Level Research and Practice: Official Journal of the AAMLE
1992-1994	SIGMA XI Science Fair Judge
1993-1994	Award Committee: National Association for Research in Science Teaching
1992-1994	Board of Directors for Arkansas Association of Middle Level Educators
1993-1995	Membership Committee for Association for the Education of Teachers in Science
1993-1999	Section Editor for Science Education International
1993-1994	President: Northwest Arkansas Science Alliance
1993-1994	National Association for Research and Science Teaching Awards Committee
1994-1996	National Association for Research and Science Teaching Outstanding Paper Committee
1994-1997	Manuscript Review Panel for <u>Gifted Child Quarterly</u>
1994-1996	Membership Committee for Arkansas Science Teachers Association
1996-1998	Manuscript Reviewer for <u>Journal of Research in Science Teaching</u>
1995-1997	Membership Committee for Association for the Education of Teachers in Science
1996-1997	Program Reviewer for, The Association for the Education of Teachers in Science National Convention, Cincinnati, OH
1996-1997	Co-Strand Coordinator for 1997 Annual Meeting of the National Association for Research in Science Teaching
1996-1997	Program Reviewer for, American Educational Research Association Convention, San Diego, CA
1997-1998	Membership Committee for the Association for the Education of Teachers in Science
1997-1998	Co-Strand Coordinator for 1997 Annual Meeting of the National Association for Research in Science Teaching
1997-1999	Vice President/President Elect: Phi Beta Delta International Scholars Society
1997-2000	Awards Committee, National Association of Science, Technology and Science
1998-2003	Executive Secretary, Association for the Education of Teachers in Science
1998-1999	Member of the School Science and Mathematics National Program Committee
1998-2002	Editorial Review Board, Electronic Journal of Science Education
1998-2002	Section Editor for <u>Science Education International</u>
2000-2001	Program reviewer for, The American Educational Researchers Association, Seattle, WA
2000-2001	Program reviewer for, the National Association for Researchers in Science Teaching, St. Louis, MO
2000-2001	Board of Directors, Triangle Coalition, Washington, D.C.

2002-2004 Editorial Board The Journal of Science Teacher Education
2005-2008 Board of Directors, Association for Science Teacher Education
2008-2011 President, Association for Science Teacher Education
2008-2012 Affiliate Representative to NSTA Board
2008-2011 AACTE Committee on Government Relations and Advocacy
Committee
2009-2009 National Science Teachers Association—Chair, NCATE Task
Force
2009-2013 NCATE Board, Member
2009-2013 NCATE Standards Committee, Chair
2009-2013 NSTA Committee on Preservice Teacher Preparation
2008-2011 NSTA Teacher Accreditation Subcommittee
2008-2011 Advisory Board for NSTA Reports
2008-2011 NSTA Alliance of Affiliates, Chair
2009-2011 KICKS-Nebraska PK-16 Task Force, Chair
2010-2012 Nebraska Association for Gifted Board Member
2010-2014 Editorial Board Science Educator
2010-2013 Nebraska Association for Teachers of Science, President
2010-2013 President Elect, Nebraska Association for Teachers of Science
2010-2013 Executive Board, Nebraska Academy of Science
2010-2013 NSTA Visions Task Force
2012-2013 NSTA Regional Planning Committee, Denver, CO
2013-2014 Critical Friends Task Force, National Science Teachers Association

SERVICE TO STATE, NATION, INTERNATIONAL

1991-1994 Consultant/Evaluator for Old High Middle School
1991-1993 Member of the Middle Grades Policy and Practice Task Force,
State of Arkansas
1991-1992 Evaluator for Micro Pac Inc.
1990-1991 State Middle Level Research Committee, Arkansas
1991-1992 Curriculum Reviewer for the National Meat Board
1992-1994 Faculty Fellow: Foundation for the Mid-South
1992-1993 Evaluator/Consultant to DeQueen Mena Educational Cooperative
1992-1993 Evaluator/Consultant to Carl Stuart Middle School
1992-1993 Evaluator/Consultant for Education Renewal Consortium,
Conway, AR
1992-1994 IMPAC Advisory Committee
1992-1994 Review for Addison/Wesley's elementary science series
1991-1993 Technology Advisory Committee, Fayetteville Public Schools
1992-1993 West Fork Partnership School Committee
1993-1994 Member, National Science Foundation Arkansas Statewide
Systemic Initiative Science Crusade Steering Committee
1993-1994 Co-Chair -- University Roundtable for Middle Level Education in
the State of Arkansas
1993-1994 Arkansas Committee for Adolescent Advocacy
1993-1994 Evaluator for Carnegie Schools Grant
1993-1994 Consultant to Southwest Junior High School

1993-1994	Arkansas State Systemic Initiative Science Crusade Planning Committee
1994-1995	Arkansas K-4 Science/Math/Reading Crusade
1993-1995	Smith Elementary Partnership School Committee
1995-1996	W.H. Robinson Elementary Partnership School
1995-1996	Smith Elementary Outdoor Education Project
1996-1997	Crossett Elementary School Improvement Program
1992-1999	Bolivia Project – Development and Evaluation of In-service Programs for K-12 Teachers in Bolivia
1995-1999	Chile Project -- Development of International Partnership with University of Concepcion and East Carolina University
1998-1999	Evaluator for Nebraska State Standards
2000-2001	Board Member-The Oklahoma Tele-Science Project Advisory Board
2000-2001	Presidential Award Selection Committee, Oklahoma
2000-2002	Evaluator for MASTEP National Science Foundation Grant
2002-2002	Evaluator for Iowa State University’s MAT Program
2003-2006	Co-Executive Director of CASMEO
2005-2006	Consultant to Texas Tech University
2005-2006	Consultant to University of Arkansas-Fort Smith
2006-2007	Consultant to Langston University
2006-2007	Consultant to Southwest Oklahoma State University
2004-2009	Board Member, Pre K – 12 Advisory Committee, SNOMNH
2004-2009	Consultant to Lamar University
2009-2009	Nebraska Presidential Awards for Excellence in Mathematics and Science Teaching
2009-2016	Nebraska Science Olympiad, Chair of supervisor selection committee
2009-2016	Nebraska Department of Education--K-16 Legislative Committee
2011-2015	National Science Olympiad, Chair – Nebraska
2012-2015	Board of Directors, Three Birds, Member
2016-2019	Board of Directors, South Carolina Future Minds, Member
2018-2019	Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science, Planning Committee
2019-2020	Board of Directors, South Carolina Education Deans Alliance, Chair

CURRENT BOARD APPOINTMENTS

2016-Present	Board of Directors, Carnegie Project for the Educational Doctorate, Secretary
2016-Present	Board of Directors, Transform SC, Member
2016-Present	Board of Directors, National Science Olympiad, Member
2016-Present	Board of Directors, Midlands Education and Business Association, Member
2016-Present	Board of Directors, South Carolina Education Deans Alliance, Member
2017-Present	Educator Retention and Recruitment Study Committee (Proviso 1.92), State of South Carolina, Member

2018-Present	Advisory Board, Richland County Public Education Partners
2018-Present	Board Member: Steering Committee for South Carolina Organization of Rural Schools, Member
2019-Present	Advisory Board, Richland 1 School District Career and Technical Education, Member
2019-Present	Advisory Board, Regional Education Center, Member
2019-Present	Board of Directors, United Way of the Midlands, Member
2019-Present	Board of Directors, South Carolina Association School Administrators, Member
2019-Present	Government Relations and Advocacy Committee, American Association for Teacher Education
2020-Present	Executive Board, National Network for Educational Renewal, Chair

HONORS, AWARDS AND SPECIAL RECOGNITION

- 2020 Meritorious Service Certificate, University of South Carolina
- 2019 Dick and Tunky Riley What WorksSC Award for Excellence, The Riley Institute at Furman University
- 2019 Exemplary Professional Development School Achievement, Professional Development Schools Network, National Association for Professional Development Schools
- 2018 Advocate for African American Students: University Level, Center for the Education and Equity of African American Students
- 2018 Nicholas Michelli Award for Promoting Social Justice, National Network for Educational Renewal
- 2018 University of Nebraska Alumni Achievement Award
- 2018 Educator Leadership Award of Achievement, Midlands Education and Business Alliance
- 2017 Inaugural Inductee: Science Olympiad Hall of Fame.
- 2017 Division Chairman's Award—Higher Education, United Way of the Midlands
- 2017 Nebraska Science Olympiad Hall of Fame Inductee
- 2013 College of Agricultural Sciences and Natural Resources Alum Achievement Award
- 2010 Catalyst Award Nebraska Association for Teachers of Science
- 2009 The Jon E. Pedersen Mentor Award: University of Oklahoma
- 2002 University of Oklahoma College of Education Outstanding Research and Scholarship Award
- 1997 Outstanding Young Educator
- 1995 Rotary International study group to South America, Argentina
- 1994 Foundation for the Mid-South Faculty Fellow
- 1994 Phi Beta Delta International Scholars Society
- 1992 Freshman Scholar's Instructor
- 1992 American Cooperative Schools - Bolivia

PROFESSIONAL MEMBERSHIP

- Education Deans for Social Justice
- National Network for Educational Renewal
- Association for the Education of Teachers in Science
- American Educational Research Association

American Association for Colleges of Teacher Education
Council of Academic Deans from Research Education Institutions