

TEACHING CURRICULUM VITA

M. JAYNE FLEENER

EDUCATION

- Ph.D. Curriculum and Instruction, University of North Carolina at Chapel Hill,
December, 1988
Dissertation: *Using the computer as an instructional tool to aid in mathematical
problem solving*
- M.A.T. Mathematics, University of North Carolina at Chapel Hill, August, 1983
- M.A. Philosophy, University of North Carolina at Chapel Hill, August, 1980
- B.A. Philosophy, Indiana University at Bloomington, May, 1978

FACULTY AND ADMINISTRATIVE APPOINTMENTS

- 2016-present Professor, Department of Educational Leadership, Policy and Human
Development, College of Education, NC State University, Raleigh, NC
- 2015-2016 Professor, Friday Institute for Educational Research, College of Education, North
Carolina State University, Raleigh, NC
- 2010-2015 Dean & Professor, College of Education, NC State University, Raleigh, NC
- 2004-2010 Dean & E.B. “Ted” Robert Endowed Professor, College of Education, Louisiana
State University, Baton Rouge, LA
- 2009-2010 Founding Board, Louisiana Connections Academy Virtual Charter School
- 1999-2004 Associate Dean for Research and Graduate Studies, College of Education,
University of Oklahoma, Norman, OK
- 2001-2004 Professor, Department of Instructional Leadership and Academic Curriculum,
University of Oklahoma, Norman, OK
- 1991-2004 Mathematics Education Certification Chair, University of Oklahoma
- 1989-2004 Mathematics Education Program Area Coordinator, University of Oklahoma
- 1995-2001 Associate Professor, Department of Instructional Leadership and Academic
Curriculum, University of Oklahoma, Norman, OK

- 1989-1995 Assistant Professor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma, Norman, OK
- 1985-1989 Teacher, Departments of Mathematics and Computer Science, Durham Academy, Durham, NC (Head Varsity Softball Coach: 1986-1989)
- 1983-1985 Teacher, Departments of Mathematics and Computer Science, Durham City Schools, Durham, NC. (Department Chair: 1984-1985)

PUBLICATIONS

Books

- Fleener, M.J., de la Teja, M., Budd, B., Moore, E., Bost, J. (2022, under review). *Learning (and leading) in an age of transformation*. DIO Publishers.
- Doll, W., Fleener, M.J., Trueit, D., St. Julien, J. (Eds.) (2005). *Chaos, complexity, curriculum and culture: A conversation*. New York: Peter Lang (Translated into Chinese, 2007, released in China, 2015).
- Fleener, M.J. (2002). *Curriculum dynamics: Recreating heart*. New York: Peter Lang (Translated into Chinese, 2007, released in China 2015).

Edited Book Series

- Fleener, M.J., Smyre, R.L., & de la Teja, M. (eds.) (2022, under review). *Living in an Age of Transformation* Book Series proposal, DIO Publishers.

Edited Volumes - Special Focus Journal Issues Invited Editor

- Focus Issue: Creativity and Nonlinear Dynamics. (2011). *Nonlinear Dynamics, Psychology and the Life Sciences*.
- Focus Issue: Post-Modern Deaning: A Call to Action. (2010). *Journal of Curriculum and Pedagogy, Volume 6, Number 2*.
- Focus Issue: Paradigms in Chaos and Complexity. (2007). *Nonlinear Dynamics, Psychology and the Life Sciences. Volume 11, Number 1*.

Article Publications – Post-2015

- * Denotes student contributors

Refereed Blind Review Journal Articles

- Fleener, M.J. & Barcinas, S. (in press). Democracy's relationship with the future: Transforming society's promise. For *Journal of Transformative Education: Special Issue on Civic Education as Transformative Education*, Paul E. Mabrey III & Tetyana Kloubert (Eds.)

- Fleener, M.J. (2022). Blockchain technologies: A study of the future of education. *Journal of Higher Education Theory and Practice*, 22(1), pp. 26-45. (published 2-9-22). <https://doi.org/10.33423/jhetp.v22i1.4956>.
- Fleener, M.J. & *Coble, C. (2022). Queer futuring: An approach to critical futuring strategies for adult learners. *On the Horizon: The International Journal of Learning Futures*. (Accepted 12/02/21; published Jan 17, 2022). DOI: 10.1108/OTH-03-2021-0049.
- Fleener, M.J. (2021). A social inquiry analysis of post-pandemic higher education: a futures perspective. *Journal of Higher Education Theory and Practice*, 21(10), pp. 1-22. (published 9/30/21). DOI: <https://doi.org/10.33423/jhetp.v21i10.4622>
- Fleener, M.J. (2020). The logic of heart. *Currere Exchange Journal*, 4(2), pp. 88-96. <https://cej.lib.miamioh.edu/index.php/CEJ/article/view/78>
- Fleener, M.J. & Barcinas, S. (2020). Futurists' Relationships with the Future: A Study of Anticipatory Meaning-making. *Foresight* (Special Issue on North American Futures - October) Vol 22 (5/6), pp. 633-642. ISSN: 1463-6689. DOI 10.1108/FS-04-2020-0039.
- Fleener, M.J., Prefonatine, I., *Rodgers, K., Waldrop, K. (2020). The Worlding of Teaching: Heideggerian Being, Currere and Ontological Citizenship. *The Currere Exchange Journal*, 3(2), 47-56.
- Karrow, D., Khan, S., Fleener, M.J. (2017). Our Mathematical Relationship with Climate Change: Mathematics Education's Ethical Imperative. *Philosophy of Mathematics Education Journal*, 32, <http://socialsciences.exeter.ac.uk/education/research/centres/stem/publications/pmcej/pome32/index.html>
- Fleener, M.J. (2017). A Systems Perspective of Democracy and Education: A Transformational Imperative. *The Journal of the American Association for the Advancement of Curriculum Studies*, Summer, Vol. 12(1), <http://ojs.library.ubc.ca/index.php/jaaacs/issue/view/182814>
- Fleener, M.J. (2016). Addressing Educations' Most Intractable Problems: A Case of Failing Schools. *Emergence Complexity & Organization: An International Transdisciplinary Journal of Complex Social Systems*. 2016 Dec 31. Edition 1. doi: 10.emerg/10.17357.e0b582abc618906c0d995c2557c77bc3.
- Bastian, K.C., Fortner, C.K., Chapman, A., Fleener, J., McIntyre, E., & Patriarca, L. (2016). Data sharing to drive the improvement of teacher preparation programs. *Teachers College Record*, 118(12), 1-29.

Book Chapters

- Fleener, M.J. (in press). Astral existence of CTP: A mythical history of curriculum demigods. In P. Hendry, M. Quinn, R. Mitchell & J. Bach (eds.), *Curriculum histories in place, in person, in practice: The LSU Curriculum Theory Project*, ch. 14, pp.
- Fleener, M.J. & Prefonatine, I., (2021). A Futures Perspective for an Andragogy of Hope. For Robert Lake, Elizabeth Stein & Tricia Kress (Eds.), *Radically Dreaming: Illuminating Freirean Praxis and Emerging from Dark Times*, New York: DIO Press, pp. 223-232.

- Fleener, M.J. (2022). Futures Literacy for Adult Learning: Hopeful Futures in Complex Worlds. For Petra A. Robinson, Kamala V. Williams, Maja Stojanovic (Eds.), *Global Citizenship for Adult Education: Advancing Critical Literacies for Equity and Social Justice*. Routledge, pp. 42-53. (distributed July, 2021)
- Fleener M.J. (2021) Curriculum Theory Meets the Future: Complex Spaces Where *Being* Creates. In: Peters M.A., Heraud R. (eds) *Encyclopedia of Educational Innovation*. Springer, Singapore (June 3, 2021). https://doi.org/10.1007/978-981-13-2262-4_234-1
- Fleener, M.J. (2018). Dynamics of a Scholarly Life: Conversational Complexity in Pursuit of the *Mysterium Tremendum*. In M. Quinn. *Complexifying Curriculum Studies - Reflections on the Generative and Generous Gifts of William E. Doll, Jr. - Routledge Collection*, pp. 21-28.
- Fleener, M.J., *Lu, L. (2018). Sustaining a teacher professional learning community in China through technology. In H. Spire, *Digital Transformation and Innovation in Chinese Education*. Routledge, pp. 80-99. DOI: 10.4018/978-1-5225-2924-8.ch005
- Fleener, M.J. (2016). Re-Searching methods in educational research: A transdisciplinary approach. In D. Stamovlasis & M. Koopmans. *Complex Dynamical Systems in Education: Concepts, methods and applications*. Berlin: Springer Publishing, pp. 9-21.

Proceedings Publications & Newsletters

- Fleener, M.J. & Barcinas, S.J. (2020). Futures Learning Strategies for Social Transformation and Lifelong Learning. *Association for the Advancement of Adult and Continuing Education (AAACE) 2020 Proceedings*.
- Fleener, M.J. & Barcinas, S.J. (2020). Toward a futures adult learning model: Preparing for a world that doesn't exist. *Adult Education in Global Times Proceedings*, 198-204. https://edst-educ.sites.olt.ubc.ca/files/2020/06/aegt_proceedings_upload.pdf
- Fleener, M.J. (2018). Heidegger and art: The ethical imperative of chaos and complexity sciences. *Society for Chaos Theory in Psychology and the Life Sciences Newsletter, Vol. 25 (2)*, pp. 10-12.
- Fleener, M.J. (2017). (invited). The King of Chaos: William E. Doll, Jr. *Emergence: Complexity and Organization*, 19(3-4), December 31, 2017. https://journal.emergentpublications.com/article_tag/volume-19-issue-3-4/

Public Policy Publications – Non-Refereed

- Fleener, M.J., Barlow, M., Mullinix, C., Orrange, P., Irvine, T., Fields, V. (2018). *An Update on Women's Participation on Key Boards and Commissions in North Carolina: Call to Action*. Report by the Women's Forum of North Carolina. <https://womensforumnc.org/2018-update-on-womens-participation-on-boards-and-commissions-in-north-carolina/>
- Educational Success Action Team (team member). (2017). *We all succeed when youth succeed: Wake ready college visit guide for middle school youth*. Youthrive. <http://youth-thrive.org/wp-content/uploads/2017/12/Guide-12.7.pdf>

- Fleener, M.J. (2017). *Internationalization of Teacher Education: Best Practices in Student Teaching and Study Abroad for Teacher Education (Ed.)*. NC Department of Public Instruction.
- Fleener, M.J. (2016). Failing Schools Legislation Needs to Account for the Complexity of the Problem of Perennially Low Achieving Schools. *EDNC (October 19, 2016)*. <https://www.ednc.org/2016/10/19/failing-schools-legislation-needs-account-complexity-problem-perennially-low-achieving-schools/>
- Fleener, M.J. (2016). Bold Steps Connecting with the Future: Global Teachers and Schools. *Public Schools First*. <http://www.publicschoolsfirstnc.org/home-2/whats-new/scholars-corner/> NC Department of Public Instruction (September, 2016).

Book Reviews – Editor Reviewed

- Fleener, M.J. (2017). Overcoming excellence gaps: Every child challenged; A Review of: *Excellence Gaps in Education: Expanding Opportunities for Talented Students*. *Teachers College Record*, Date Published: July 24, 2017. <http://www.tcrecord.org> ID Number: 22098. (<http://www.tcrecord.org/Content.asp?ContentID=22098>)

Working Papers

- Fleener, M.J. (2022). *Workforce Futures and Pervasive Learning: Blockchain Credentialing and Shifting Values for Making a Difference*.
- Fleener, M.J. (2022). *Pervasive Learning for Abundant Futures: A Casual Layered Analysis of UNESCO's Report on the Futures of Education*.

PRESENTATIONS – POST-2015

National/International Professional Presentations

- Fleener, M.J. (2022). *Anticipatory Social Systems in Post-Normal Times: Moving Beyond Power, Politics, Polemics and the Past*. 4th International Conference on Anticipation, Arizona State University, November 16-18, 2022.
- Fleener, M.J. & Barcinas, S.J. (2022, Proposed). *Futures perspectives of the field of adult education: developing futures learning capacities*. Association for Adult and Continuing Professional Education Annual Conference, Adaptability, Flexibility and Sustainability: Adult Education in Dynamic Times, October 11-14, 2022, Milwaukee, WI.
- Locklear, E.* & Fleener, M.J. (2022, Proposed). *Adaptive learning for change and uncertainty: preparing tomorrow's medical professionals*. Association for Adult and Continuing Professional Education Annual Conference, Adaptability, Flexibility and Sustainability: Adult Education in Dynamic Times, October 11-14, 2022, Milwaukee, WI.

- Fleener, M.J. (2022). *Post-Pandemic Educational Futures: A Social Inquiry Analysis*. American Educational Research Association (AERA) Annual Meeting, April 22-25, 2022, San Diego, CA. (approved proposal – canceled due to travel)
- Fleener, M.J. (2022). *Wickedity and Complexity in Educational Research: A Workshop to Spark Transformational Scholarship on Education Systems* (discussant). American Educational Research Association (AERA) Annual Meeting, April 22-25, 2022, San Diego, CA. (approved proposal – canceled due to travel)
- Fleener, M.J. (2022). *Blockchain credentialing, pervasive learning & the future of higher education*. Reimagining Education Conference, sponsored by the Ecoversties Alliance, Feb. 24-27.
- Fleener, M.J. (2021). Friere's ontological and ethical imperatives: a futures perspective for adult learners. Presentation to the 3rd International Conference on Paulo Freire: The Global Legacy, November 29-December 2, 2021.
- Fleener, M.J. (2021). *Arroyos futuros: transformational perspectives of the future of higher education*. Presentation to the Workshop of Strategic Alliances for the Internationalization of Higher Education, Cienfuegos, Cuba (virtual presentation), October 26-29, 2021.
- Fleener, M.J. (2021). *Lifelong pervasive learning futures: A futures examination of workforce needs*. Association for Adult and Continuing Professional Education (AAACE), Sandestin Golf and Beach Resort, Miramar Beach, FL, October 5-8, 2021.
- Fleener, M.J. (2021). *Blockchain assessment: The future of credentialing*. Future of Education Conference (August, 2021), The International Institute of Knowledge Management, Sri Lanka, India. (presentation posting: <https://www.blockchaineducation.info>)
- Fleener, M.J. (2021). *Currere Perspectives: Supporting Doctoral Students' Reflective Practice*, June 16, 2021, online, Currere Exchange Conference.
- Fleener, M.J. (2021). *Postnormal education: A futures perspective of public education*. Annual meeting of the American Educational Research Association. April 8-12, 2021, Orlando, FL. (Virtual meeting due to COVID).
- Fleener, M.J., Prefonatine, I. (2021). *A futures perspective for an andragogy of hope*. Annual meeting of the American Educational Research Association. April 8-12, 2021, Orlando, FL. (Virtual meeting due to COVID).
- Fleener, M.J. (2020). *Foresight in North American Futures Symposium*. Futures Literacy Summit 2020. UNESCO Virtual Conference, December 8-12, 2020.
- Fleener, M.J. & Barcinas, S. (2020). Futures learning strategies for social transformation and lifelong learning. American Association for Adult and Continuing Professional Education (AAACE), October 27-30, 2020, Reno, NV, (Virtual meeting due to COVID).
- Fleener, M.J. & Barcinas, S. (2020). *Toward a futures adult learning model: Preparing for a world that does not exist*. Adult Education in Global Times (AEGT2020): An International Research Conference. University of British Columbia, Vancouver, Ontario, Canada, June 4-7, 2020. (CONFERENCE CANCELED DUE TO COVID-19)
- Fleener, M.J. & Barcinas, S. (2019). *A study of adult learning perceptions of their futures and roles within rapidly changing communities*. 68th Annual Conference of the

- American Association for Adult and Continuing Education, October 8-11, 2019, St. Louis, MO.
- Fleener, M.J. & Irvine, C.B. (2019). *Three-brains learning in organizations: A complex adaptive systems understanding of organizational change*. Annual Meeting of the American Educational Research Association (AERA), April 5-9, 2019, Toronto, Ontario, Canada.
- Irvine, C.B. & Fleener, M.J. (2019). *Cultural intelligence as the “Know-How” and “Know-What” required for workplace success: A series of meta-analyses*. Annual Meeting of the American Educational Research Association (AERA), April 5-9, 2019, Toronto, Ontario, Canada.
- Khan, S., Karrow, D.D. & Fleener, M.J. (2019). *Mathematics education’s ethical relation with and response to climate change*. Annual Meeting of the American Educational Research Association (AERA), April 5-9, 2019, Toronto, Ontario, Canada.
- Fleener, M.J. (2019). *Feats of futures framing: Using Q-method to explore curriculum dynamics*. American Association for the Advancement of Curriculum Studies (AAACS), April 3-5, 2019, Toronto, Ontario, Canada.
- Barcinas, S., & Fleener, M.J. (2018). *The future of adult learning communities: How exponential change and technology are reimagining our world*. Annual Meeting of the American Association for Adult and Continuing Education (AAACE), October 2-5, 2018, Myrtle Beach, SC.
- Fleener, M.J. (2018). *Heidegger and Currenre: The Autobiographic Self*. Presentation to the Third Annual Currenre Exchange Conference and Retreat, May 30-June 1, Miami University, Oxford, Ohio.
- Fleener, M.J. (2018). *Embracing Chaos: An Ontology of Teaching*. American Association for the Advancement of Curriculum Studies Annual Conference, New York City, April 11-13, 2018.
- Fleener, M.J. (2017). *It’s Really Not So Complicated, But it Requires Complexity: Challenges for 21st Century Democracy and Educational Research*. 27th Annual International Conference of the Society for Chaos Theory in Psychology and the Life Sciences in Cincinnati, Ohio, August 11-13, 2017
- Fleener, M.J. & Smyre, R. (2017). *Educating for Communities of the Future*. Poster presentation for the inaugural meeting of the ESHIP Summit on Ecosystem Building sponsored by the Kauffman Foundation, Kansas City, MO.
- Fleener, M.J. (2017). *Dynamics of a scholarly life: Conversational complexity in pursuit of the Mysterium Tremendum*. Annual Meeting of the American Educational Research Association (AERA), April 27-May 1, 2017, San Antonio, TX.
- Karrow, D., Fleener, M.J., Yu, J., & Harvey, S. (2017). *Fanning the Flames of Curriculum’s Desire through Complicated Conversations with Martin Heidegger*. Annual Meeting of the American Educational Research Association (AERA), April 27-May 1, 2017, San Antonio, TX, Division B
- Fleener, M.J. (2017). *Citizenship Engagements: Heidegger’s Authentic Self and Democratic (R)evolution*. Annual Meeting of the American Association for the Advancement of Curriculum Studies. April 24-27, 2017, San Antonio, TX.
- Harvey, S., Yu, J., Fleener, M.J., Karrow, D. (2016). *Questioning Teacher Education Models for a Hopeful Future*. The 17th Annual Curriculum & Pedagogy

- Conference, *Challenge, Learn, Grow, Take Action*. October 20-21, 2016, Cleveland, OH.
- Fleener, M.J. (2016). *Fractaled Research: Transdisciplinarity of Complexity Methods (Keynote address-Chaos and Complexity SIG)*. Annual Meeting of the American Educational Research Association (AERA), April 8-12, 2016, Washington, DC.
- Fleener, M.J. & Chirino-Klevans, I. (2016). *Impact of International Student Teaching Experiences on Preservice Teachers' Cultural Competency*. Annual Meeting of the American Educational Research Association (AERA), April 8-12, 2016, Washington, DC. International Education SIG
- Fleener, M.J. (2016). *Being-with curriculum: The aesthetic of authentic learning* (Discussant). An Ethics of Historical Engagement Conference of the American Association for the Advancement of Curriculum Studies (AAACS), April 5-8, 2016, George Washington University, Washington, DC
- Fleener, M.J. (2016). *Interrogating curriculum through a Heideggerian Lens* (Presenter). An Ethics of Historical Engagement Conference of the American Association for the Advancement of Curriculum Studies (AAACS), April 5-8, 2016, George Washington University, Washington, DC
- Fleener, M.J. (2015). *Research Report: Internationalization of Teacher Education TAG Business Meeting*. 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Atlanta, GA, February 26 – March 1, 2015).
- Fleener, M.J. (2015). *Internationalization of Teacher Education: Strange Bedfellows and Innovative Solutions*. 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Atlanta, GA, February 26 – March 1, 2015).
- Fleener, M.J. (2015). *Is Cultural Competency the New Diversity?: Internationalization of Teacher Education Symposium*. 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Atlanta, GA, February 26 – March 1, 2015).
- Fleener, M.J. (2015). *Perspectives on Using Value-Added Student Achievement Data to Improve Teacher Education*. 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Atlanta, GA, February 26 – March 1, 2015).
- Fleener, M.J. (2015) *Using Web-based Applications and Online Courses for Continuous Improvement*. 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Atlanta, GA, February 26 – March 1, 2015).

Interviews and Other Social Media Outlets – Post-2015

Global Connections Television: Interview of Jayne Fleener by Bill Miller, May 10, 2021.
<https://www.globalconnectionstelevision.com/video-gallery/2021/6/21/jayne-fleener?rq=fleener>

Website Blogs: <https://blockchaineducation.info/my-blog>

Workshops and Other Speaking Engagements – Post-2015

- Blockchain Technology and the Future of Education*. Presentation to the Futures Club of Wake Tech, Raleigh, NC, 2/10/22.
- Leandro Decision 2020: What's Next for North Carolina?* Presentation and Moderator for Lunch-Time Together, Women's Forum of North Carolina, 9/28/2020
- Pre-conference Seminar for Early Career Scholars with Disabilities*, Sponsored by the Spencer Foundation and the American Educational Research Association, Expectations and Etiquette/Developing a Scholarly Identity, 4/4/19.
- Apple, Rubics Cubes and Rivers: Preparing for and "Managing" Exponential Change*. eLearning SIG of NC, 2/28/18
- 2020 Census* – Spring Forum of the Women's Forum of NC, Presider, May, 2018
- A Fair and Just Judiciary* – Fall Forum of the Women's Forum of NC, Presider
- Ready to Lead Workshop* (participant), Raleigh, 9/16/17, Sponsored by the NC Democratic Party
- Accelerated Leadership in Times of Rapid Change*. Presentations for the Advanced Administrators Issues (AAI) institute, College of Education, AY 2017-19 (multiple versions and times over the three years).
- Accelerated Leadership in Times of Rapid Change*. Presentations for the Executive Leadership Program (ELP), College of Education, spring, 2017-2019 (multiple versions and times over three years).
- What does it mean to be an education advocate?*, Guest presentation, EDUC 533: Social Justice in Education, UNC-Chapel Hill School of Education, 3-21-16

GRANTS – POST-2015

External Grants and Contracts

1. National Science Foundation, 10/01/2021 to 9/30/2022 (unfunded). *FW-HTF-P: A Preliminary Study of Futurists' Perceptions of the Future of Technology, Worker and Workforce Needs for Lifelong Learning*, **\$149,858** (PI).
2. National Science Foundation, PROJECT ATOMS: Accomplished Elementary Teachers of Mathematics and Science-Supplement, 2/01/13 – 6/30/16, **\$55,760**, (co-PI)
3. National Science Foundation, *Project ATOMS: Accomplished Elementary Teachers of Mathematics and Science*, (Requested: \$3,458,694, funded: **\$3,110,997**), (co-PI)
4. Longview Foundation for Education in World Affairs and International Understanding, (2013-2016), *Effective strategies for internationalizing teacher education: Building policy and practice infrastructure for North Carolina teacher preparation*, **\$68,683**, (PI/PD)
5. Spencer Foundation (unfunded). *Anticipating Educational Challenges of Migration: Using Futures Studies Approaches to Explore the Educational Needs and Challenges related to Migration in the US and Germany*, (117985), **\$49,938** (Co-PI with Chad Hoggan (PI), Sue Barcinas (co-PI)).
6. *Southern Johnston Transformation for the Future* (unfunded). In partnership with Johnston County Community College, Golden Leaf Essential Skills in Advanced Manufacturing Initiative, **\$62,339** (Co-PI with Sue Barcinas)

TEACHING – NC STATE

Courses Taught

Graduate

EAC 538 Instructional Strategies, FA 2020
EAC 556 Organizational Change in Training and Development, SP 2018, SUM 2018, SP 2019, SP 2021, FA 2021, SP 2022
EAC 559 Adult Learning Theory, SP 2020, SUM 2020
EAC 580 Designing Instructional System, SP 2019
EAC 701 Leadership Issues, SP 2017
EAC 711 Reflective Practice, FA 2019, FA 2021
EAC 765 Current Issues in AE – Collective Impact and Anticipatory Futures FA 2020
EAC 787 Organizational Theory and Concepts in Higher Education, SP 2018, FA 2018, FA 2019

Advising – Dissertations – Chair

NC State Completed Doctoral Dissertations

1. John Bakken (May, 2020) *The Impact of Institutional Characteristics on Performance Measure Success Rates at Community Colleges in North Carolina.*
2. Marcus Howard (April, 2020) *Three Studies on the Implementation of Work-Based Learning in North Carolina Apprenticeships.*
3. Deana Guido (March, 2019). *North Carolina Community College Faculty Perceptions of Dual Enrollment Students.*
4. Christina Irvine (April, 2018). *Mapping, Measuring, and Modeling Cultural Intelligence as the Capacity for Success in the Global Knowledge Economy: A Series of Meta-Analyses.*

LSU Completed Dissertations – 1

OU Completed Dissertations – 24

PROFESSIONAL SERVICE – POST-2015

NC State

College Level – College of Education

2021-2022 College of Education Faculty Awards Committee
2021-2024 College of Education Research Committee
2019 College of Education University Faculty Scholar Review Committee

Department Level – Educational Leadership, Policy and Human Development

Department Voting Faculty (DVF) (Chair 2017-19, co-chair 2019-20)

Department Post Tenure Review Committee (co-chair, 2017)
Reappointment, Promotion and Tenure
Post-Tenure Review
Faculty Renewals
RULs Review and Revision

AWCPE Program Area Co-Coordinator (2019-2020)

Program Level – Adult, Workforce and Continuing Professional Education

Active program area faculty member - Advising, participate in program governance, welcome and orientation sessions for students, participation with Graduate Student Association, represent program area in college orientation events

Professional Organization Leadership - National

Awards Chair, AERA Organizational Theory SIG, 2018-2021
Conference Coordinator, Society for Chaos Theory in Psychology and the Life Sciences (SCTPLS), 2017-18

Advisory Boards

National Advisory Boards

Communities of the Future (COTF) Leadership Corp, 2016-present

Current National Editorial Boards

Complicity: An International Journal of Complexity and Education (co-editor 2015-2018)

**International Journal of Complexity in Education*, 2019-present

International Journal of Instruction, 2012-present

On The Horizon, 2022-present

Non-linear Dynamics in Psychology and the Life Sciences (NDPLS), 2012-present

** Founding editorial board member*

Advisory Boards/Board of Directors

Communities in Schools – Wake County, 2013-present

Chair – Programming Committee (assessment of program effectiveness), 2015-17

Executive Committee, 2015-2021
Vice-Chair of the Board, 2019-2021
Divan Center for Interfaith Dialogue Advisory Board, 2014-16
NC New Schools/Breakthrough Learning, 2015-2016
NC Women’s Forum Board of Directors, 2015-22 (President – 2017-2020)
Public School Forum, 2011 – 2021
Co-chair – Special Report on Strategies to Address Low Performing Schools
2015-16
Writing group – Special Report on Extended Learning Opportunities 2013-14
Writing group – Special Report on Education in Finland 2011-12

Reviewer

Professional Journals

Complicity: An International Journal of Complexity and Education
International Journal of Complexity in Education
Nonlinear Dynamics in Psychology and the Life Sciences (NDPLS)
On the Horizon: The International Journal of Learning Futures
International Journal of Instruction, <http://www.e-iji.net>
Journal for Research in Mathematics Education

National Conference Paper Presentations

American Educational Research Association (AERA)

- Division B2, Curriculum Theorizing, 2016-17
- Chaos & Complexity Theories Special Interest Group, 2014-17, 2019-2021
- Change SIG
- Holistic Education SIG, 2016-17
- Organizational Theory SIG, 1999-2000, 2017-present (Awards Chair, 2018-21)

American Association for Adult and Continuing Education (AAACE), 2019

COMMUNITY SERVICE – POST-2015

Communities in Schools Wake County
Board of Directors – 2012-present
Program Chair – 2016-2019
Executive Committee – 2015-2021
Vice Chair of Board – 2019-2021
Heartland Hospice, 2017 – 2020
Peak Lab Rescue, 2017
Therapy Dog International, 2015 – 2020
Triangle Organizational Development Network (TODN), 2022 - present

Women’s Forum of NC

Board of Directors – 2015-21

President – 2017-2020

Boards and Commissions Committee – chair

Oral History Project

YouthThrive –

Education Success Action Team – 2016-present

NATIONAL AND INTERNATIONAL AFFILIATIONS – POST-2015

American Education Research Association (AERA)

*Association of Professional Futurists (APF) – Full member

Communities of the Future 2.0 (COTF 2.0)

International Association for the Advancement of Curriculum Studies (IAACS)

*Professors of Curriculum (POC) – Full member

*World Futures Studies Federation (WFSF) – Full member

* Honorary Societies

AWARDS AND HONORS – POST-2015

Professional Awards and Honors

Service Awards

Central Carolina Chapter of the Indiana University Alumni Association Distinguished Service Award, 2018

PROFESSIONAL EXPERIENCES PRE-2015

SCHOLARSHIP – PRE-2015

Publications

Journal articles, book chapters, & proceedings publications

- Guastello, S.J., Fleener, M.J., (2012). Chaos, complexity and creative behavior, Editors Comments. *Journal of Nonlinear Dynamics in Psychology and the Life Sciences*, 15 (2), pp. 143-144.
- Fleener, M.J., Jewett, L., Smolen, J., Carson, R. (2011). Creating Spaces for Service Learning Research – Implications for Emergent Action and Civic Ingenuity. In T. Stewart, *Problematizing Service-Learning: Critical Reflections for Development and Action*. Information Age Publishing, pp. 3-18.
- Fleener, M.J., Exner, P.D. (2011). Dimensions of teacher education accountability: A Louisiana perspective on value added. In D. Imig & P. Earley, *Teacher Education Policy*, pp. 26-43.
- Fleener, M.J. (2009). Bootstrapping a Theory of Thinking and Learning. *Complicity: An International Journal of Complexity and Education* 6(1), pp. 39-44.
- Fleener, M.J. (2009). Conversational Labyrinths and Metaphorical Journeys. In *Complicity: An International Journal of Complexity and Education*.6(2).
- Fleener, M.J., Jewett, L., Smolen, J., (2009). Educational leader supply and demand in Louisiana: A Board of Regents Sponsored Personnel Policy Study. Funded through the Wallace Foundation. <http://www.leadlouisiana.net/>
- Fleener, M.J. (2008). Complexity and Postmodern Criticality: Moral Dimensions of Emergentist Research. *Journal of the Canadian Association for Curriculum Studies*, 6 (1), pp. 73-91.
- Ricks, T., Lu, L., Fleener, M.J. (2008). Understanding students' thinking from an interrelationship perspective. *Journal of Mathematics Education (China)*
- Fleener, M.J. (2008). Re-Romancing Education: The Bricoleur. *Process Papers Eleven: Concerning A Different Three Rs for Education*, pp. 54-58.
- Fleener, M.J. & Matney, G. (2007). Curriculum clearings as being-with mathematics experiences: Authentic learning through a Heideggerian Lens. *Journal of Curriculum and Pedagogy. Volume 3, Number 2, Winter 2006: p. 92-106.*
- Fleener, M.J. & Merritt, M. (2007). Paradigms Lost? *Nonlinear Dynamics, Psychology and the Life Sciences*. Volume 11, Number 1, p. 1-18.
- Fleener, M.J., Willis, J., Brun, J., Hebert, K. (2007). Post-Katrina Educational Contexts: Breaking the Rules. In S. Robinson & M.C. Brown, *The Children Hurricane Katrina Left Behind: Schooling Context, Professional Preparation, and Community Politics*.
- Reeder, S., Cassel, D., Reynolds, A., Fleener, M.J. (2006). Doing Something Different: Envisioning and Enacting Mathematics Curriculum Alternatives. *Curriculum and Teaching Dialogue: A Journal of the AATC*. Volume 8, Number 1, p. 51-68

- Fleener, M. J., Reeder, S. (2006). Teaching etcetera. In Evans, M. & Allan, G., *A Different Three R's of Education*. Volume 176, p. 141-154
- Reynolds, A.M., Fleener, M.J., Wheatley, G., Robbins, R. (2005). The making of intelligence: Poststructural perspectives of learning. *International Journal of Learning* (11), 1033-1039.
- Fleener, M.J., (2005). Learning as dynamic spacing: Changing language games through complexity. *Complicity: An International Journal of Complexity and Education*, 2(1), pp. 77-80 (December).
- Fleener, M.J., Forehand, C., Robbins, R. (2005). Poststructural perspectives of self and education. *International Journal of Learning* (11), pp. 1065-1071.
- Fleener, M.J., Smith, J.K., Simpson, D. (2005). Philosophy and teacher education: Paradox or paradigm? *Process Philosophy Papers* (9), pp. 66-75.
- Fleener, M.J. (Summer, 2004). Curriculum dynamics and soul of teaching complexly: Horizons of expectation as educative improvisation. *Journal of Thought*, pp. 35-42.
- Fleener, M.J., Richardson, K., & Matney, G. (2004). Deterritorializing the curriculum: Poststructural logic and dynamic process. In L. Coia, et al., *Democratic Responses in an Era of Standardization*, pp. 27-37. Troy, NY: Educator's International Press, Inc.
- Fleener, M.J. (2004). Why mathematics?: Poststructural topologies and negative spaces. In Walshaw, M (Ed.) *Mathematics education within the postmodern*. Greenwich, CT: Information Age Publishing.
- Trytten, D. A., Shehab, R. L., Reed-Rhoads, T., Fleener, M. J., Harris, B. J., Reynolds, A., Walden, S. E., Moore-Furieux, S. K., Kvach, E., Warram, K. R., & Murphy, T. J., (2004). 'Inviteful' engineering: Student perceptions of industrial engineering, *Proceedings of the ASEE Annual Conference*, Salt Lake City, UT.
- Fleener, M. J., Reeder, S. L., Young, E., Reynolds, A. M. (2003). Unfolding mathematical experience through on-going study of the history of mathematics. *Action in Teacher Education*, Vol. XXIV (3), pp. 73-84.
- Fleener, M.J., Adolphson, K., Reeder, S. (2002). Robotics activities and constructed problem solving: Creating spaces for learning/doing. In A.D. Cockburn & E. Nardi (Eds), *Psychology of Mathematics Education- Volume 2*, 361-367.
- Carter, A., Fleener, M. J. (2002) Exploring the teacher's role in developing autonomy. In D.S. Mewborn, P. Sztajn, D.Y. White, H.G. Wiegel, R.L. Bryant, K. Nooney (Eds). *Psychology of Mathematics Education-North American Chapter – Volume 2*, 819-829.
- Fleener, M. J. & Dupree, G. D. (2002). Autobiography through Gynocritical Inquiry: Exploring Women's Ideas about Mathematics, Power, and Community. *Journal of Curriculum Theorizing*, 65-76.
- Fleener, M.J. (2002). Logical Foundations for an Organocentric Curriculum: Dewey's Logic and Complexity Sciences. In W. Doll & N. Gough, (Eds.), *Curriculum Visions*, New York: Peter Lang Publishers, 152-162.
- Fleener, M.J. (2001). The Language Games of Science and Philosophy: Bridges Rather than Anchors A Response to Science Education: Constructing a True View of the Real World? In Stone, L. (Ed.), *Philosophy of Education 2000*, Urbana-Champaign, IL: Philosophy of Education Society, 378-382.

- Fleener, M.J. (2001). Educational Standards and High Stakes Testing: Changing Ways of See-As. *Process Papers*, 6 (December, 2001),19-37.
- Fleener, M. J. & Rodgers, D. B. (1999). A systems theoretic approach to understanding transformation in learning communities. *Journal of Thought*, 34(1), 9-22.
- Fleener, M. J. (1999). Toward a poststructural mathematics curriculum: Expanding discursive possibilities, *Journal of Curriculum Theorizing*, 15(2), 89-105.
- Pourdavood, R. G. & Fleener, M. J. (1998). The ecology of a dialogic community as a socially constructive process. *Teaching Education*.
- Fleener, M. J. & Fry, P. G. (1998). Adaptive teacher beliefs for continued professional growth during postmodern transitions. In D. J. McIntyre & D. M. Byrd (Eds.), *Strategies for Career-Long Teacher Education: Teacher Education Yearbook VI*, Thousand Oaks, CA: Corwin Press, 154-167.
- Fleener, M. J., Donaldson, G. D., & Craven, L. D. (1997). Exploring and changing visions of mathematics teaching and learning: What do students think? *Mathematics Teaching in the Middle School*, 9(1), 40-43.
- Fry, P. G. & Fleener, M. J. (1997). An analysis of teacher-class interaction metaphors. *The Journal of Classroom Interaction*, 32(1), 30-35.
- Pourdavood, R. G. & Fleener, M. J. (1997). Impact of a dialogic community on the development of classroom sociocultural norms. *Journal for a Just and Caring Education* 3(4), 399-417.
- Pourdavood, R. G. & Fleener, M. J. (1997). Evolution of a dialogic community and teacher change. *The School Community Journal*, 7(1), 51-61.
- Pourdavood, R. G. & Fleener, M. J. (1997). Sustaining cultures of teaching for liberatory mathematics education. *Proceedings of the 19th Annual Meeting of the Psychology of Mathematics Education – North American Chapter*.
- Pourdavood, R. G. & Fleener, M. J. (1996). Examining teachers' beliefs and practices within a dialogic community. *Proceedings of the 18th Annual Meeting of Psychology in mathematics Education - North American Chapter (PME-NA)*, Volume II, 370-375.
- Fleener, M. J. (1996). Scientific worldbuilding on the edge of chaos: High school students' beliefs about mathematics and science. *School Science and Mathematics*, 96(6), 312-320.
- Fleener, M. J., Westbrook, S. L., & Rogers, L. N. (1995). Learning cycles for mathematics: An investigative approach to middle school mathematics. *The Journal of Mathematical Behavior*, 14(4), 437-442
- Fleener, M. J. (1995). Alamo Rent-A-Car Commercial. *Mathematics Teaching in the Middle School*, 1(5), 394
- Fleener, M. J. (1995). A survey of mathematics teachers' attitudes about the calculator: The impact of philosophical orientation. *Journal of Computers in Mathematics and Science Teaching*, 14(4), 481-498.
- Fleener, M. J. (1995). The relationship between experience and philosophical orientation: A comparison of preservice and practicing teachers' beliefs about calculators. *Journal of Computers in Mathematics and Science Teaching*, 14(3), 359-376.
- Fleener, M. J., Pourdavood, R. G., & Fry, P. G. (1995). A study of preservice teachers' metaphors for the different roles of the mathematics teacher. *Proceedings of the*

- 17th Annual Meeting of Psychology in Mathematics Education – National (PME-NA) Volume II.* 104-108.
- Fleener, M. J. (1995). Relationships among experience, philosophy and beliefs related to calculator use. In D. Carey, R. Carey, D.A. Willis, & J. Willis (Eds.) *Technology and teacher education annual: 1995*. Charlottesville, VA: Association for the Advancement of Computing in Education.
- Fry, P. G., & Fleener, M. J. (1995). A Freirean approach to teacher change: A study of ten teachers engaged in action research. In E. Chance (Ed.), *Creating the quality school*, Magna Press.
- Fleener, M. J. & Fry, P. G. (1994). Methods classes and professional development schools: The overlooked semester. *The Teacher Educator*, 29(3), 39-44.
- Fleener, M. J. & Fry, P. G. (1994). Analyzing metaphors for mathematics teaching. *National Forum of Teacher Education Journal*, 4(1), 55-63.
- Fleener, M. J. & Nicholas, S. N. (1994). Dynamic belief clusters: Using isolation analysis to determine preservice teachers' beliefs about the teaching and learning of mathematics. *National Forum of Applied Educational Research Journal*, 7(2), 13-22.
- Nicholas, S. N., & Fleener, M. J. (1994). Nine preservice teachers' beliefs about teaching and learning mathematics: A case study. *National Forum of Applied Educational Research Journal*, 7(2), 3-12.
- Fleener, M. J. & Reynolds, A. (1994). The relationship between preservice teachers' metaphors for mathematics learning and Habermasian interests. *Proceedings of the 16th Annual Meeting of Psychology in Mathematics Education – North American Chapter (PME-NA)*, 247-253.
- Fleener, M. J. (1994). A research study of teachers' beliefs about calculator use. In G. Marks (Ed.), *Mathematics/Science education and technology*, 1994 (pp. 56-61). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Fleener, M. J. (1994). Is experience enough?: A survey of mathematics teachers' philosophies of calculator use. In D. Carey, R. Carey, D.A. Willis, & J. Willis (Eds.) *Technology and teacher education annual: 1994*. Charlottesville, VA: Association for the Advancement of Computing in Education.
- Fine, A., & Fleener, M. J. (1994). Calculators as instructional tools: Perceptions of three preservice teachers. *Journal of Computers in Mathematics and Science Teaching*, 13(1), 83-100.
- Fleener, M. J. (1993). Graphing calculators: Networking strategies for inservice instruction. In D. Carey, R. Carey, D.A. Willis, & J. Willis, J. (Eds.) *Technology and teacher education annual: 1993* (pp. 596-599). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Fleener, M. J. (1992). Life in the fast lane: A modeling problem from the grocery store. *Consortium: The Newsletter of the Consortium for Mathematics and Its Applications*, 43.
- Fleener, M. J., & Marek, E. A. (1992). Testing in the learning cycle. *Science Scope*, 15(6), 48-49.

Book Reviews

- Fleener, M.J. (2017). Overcoming excellence gaps: Every child challenged; A Review of: *Excellence Gaps in Education: Expanding Opportunities for Talented Students*. *Teachers College Record*, Date Published: July 24, 2017. <http://www.tcrecord.org> ID Number: 22098. (<http://www.tcrecord.org/Content.asp?ContentID=22098>)
- Fleener, M.J. *Learning Dynamics*. [Review of Davis, E.J., Smith, T.J., & Leflore, D. (2008). *Chaos in the classroom: A new theory of teaching and learning*. Durham, NC: Carolina Academic Press.] *Nonlinear Dynamics in Psychology and the Life Sciences*.
- Fleener, M.J. [Review of Tent, M.B.W. (2006). *The prince of mathematics: Carl Friedrich Gauss*. Wellesley, MA: A.K. Peters, Ltd.]. *Mathematics Teaching in the Middle School*.
- Fleener, M.J. [Review of Stickels, T. (2000). *Are you as smart as you think?* Gordonsville, VA: St. Martin's Griffin]. *Mathematics Teaching in the Middle School*.
- Fleener, M. J. [Review of Spencer, D. (1995). *Key dates in number theory history*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
- Fleener, M. J. [Review of Spencer, D. (1995). *Illustrated computer dictionary for young people*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
- Fleener, M. J. [Review of Spencer, D. (1995). *Spencer's illustrated computer dictionary*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
- Fleener, M. J. [Review of Spencer, D. (1995). *Exploring number theory with microcomputers (3rd Edition)*. Ormond Beach, FL: Camelot Publishing Company]. *School Science and Mathematics*.
- Fleener, M. J. (1998). [Review of Fomin, D., Genkin, S., & Itenberg, I. (1996). *Mathematical circles (Russian experience)*. Boston, MA: American Mathematical Society] *Mathematics Teaching in the Middle School*.
- Fleener, M. J. (1997, September). [Review of NCTM (1997). *Results from the sixth mathematics assessment*. Reston, VA: NCTM]. *Mathematics Teaching in the Middle School*.
- Fleener, M. J. (1997). [Review of the Ontario Association for Mathematics Education (OAME) and the Ontario mathematics Coordinators Association (OMCA) (1995). *Linking assessment and instruction in mathematics: Connecting to the Ontario Provincial Standards*. Rosseau, ON: OAME and OMCA} *Mathematics Teaching in the Middle School*, 2(5), pp. 363-364).
- Fleener, M. J. (1995). [Review of Tsuruda, G. (1994). *Putting it Together: Middle school math in transition*. Portsmouth, NH: Heinemann Press]. *Mathematics Teaching in the Middle School*.
- Fleener, M. J. (1994). [Review of Owens, D. T. (1993). *Research ideas for the classroom: Middle grades mathematics*. New York: Macmillan Publishing Co.]. *Mathematics Teaching in the Middle School*, 1(2), pp. 162-163.

State Newsletter/Journal Publications

- Fleener, M. J. (2001, Fall). Teaching Etcetera. *The Oklahoma Mathematics Teacher*.
- Fleener, M. J. (1997, Spring). Traveling the Speed of Light – Almost. *The Oklahoma Mathematics Teacher*.
- Fleener, M. J. (1995, Spring). Numerology: Number patterns and relationships for exploring mathematics. *The Oklahoma Mathematics Teacher*.
- Fleener, M. J. (1994, Summer). Chaos, fractals and dynamic systems: New mathematics for the 21st century. *The Oklahoma Mathematics Teacher*, 6-8.
- Fleener, M. J. (1994, Spring). Commercials, number sense and connections: Are we there yet? *The Oklahoma Mathematics Teacher*, 4-5.
- Fleener, M. J. (1993, Fall). Geometric probability using the graphing calculator. *The Oklahoma Mathematics Teacher*, 6-9.
- Fleener, M. J. (1993, Spring). Pick's theorem: A bridge for algebraic and geometric problem solving. *The Oklahoma Mathematics Teacher*, 7-10.
- Fleener, M. J. (1992, Fall). Explorations with fractals. *The Oklahoma Mathematics Teacher*, 6-8.
- Fleener, M. J. (1992, Spring). Spreadsheet applications for general mathematics: The bank loan problem. *The Oklahoma Mathematics Teacher*, 12-13.
- Fleener, M. J., & Nicholas, S. N. (1991-1992, Winter). Math textbook adoption 1992: Issues, concerns, and questions for making the decision. *The Oklahoma Mathematics Teacher*, 9-11.

Feature Articles – President's Message

- Fleener, M.J. & Reeder, S. (2002). *The Geometry of Relationship*. Chaos and Complexity SIG, American Educational Research Association.
- Fleener, M.J. (2001). *Educational ether and philosophical spacings: Reciprocity as the geometry of relationship*. Chaos and Complexity SIG, American Educational Research Association
- Fleener, M. J. (1999). *Mindwalking*, Chaos and Complexity SIG, American Educational Research Association.
- Fleener, M. J. (1996, March). Spring Renewal, Central Oklahoma Association of Teacher Educators (COATM).
- Fleener, M. J. (1996, January). Professional Development: The Mark of a Teaching Professional (COATM).
- Fleener, M. J. (1995, August). Creating Community: A Message from the President (COATM).

Presentations

National and International Presentations

Including numerous overseas presentations in China, Cuba, Denmark, Finland, Russia

- Fleener, M.J, Chirino-Klevens, I. (2014). *Internationalization of Teacher Education: A Collaboration Across Universities*. Annual Conference of the NAFSA: Association of International Educators, San Diego, CA, May 25-30, 2014.
- Fleener, M.J., Derr, B., Teitelbaum, K., Wixson, K., Chirino-Klevens, I., (2014). *Internationalization of Teacher Education: A Model for Determining Impact*. The 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Indianapolis, IN, March 1-March 2, 2014.
- Fleener, M.J., Kleiman, G., Frye, D., Wolf, M., (2014). *MOOCs for Educators: Rethinking Professional Development*. The 66th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Indianapolis, IN, March 1-March 2, 2014.
- Ellen McIntyre, Sarah Carrier, M. Jayne Fleener, Michael Maher, Valerie Faulkner, *STEM-Focused Elementary Teacher Preparation: Program Features and Research on Teacher Development and Effectiveness*, 65th Annual Meeting of the American Association of Colleges of Teacher Education (AACTE), Orlando, FL, February 28-March 2, 2013
- Fleener, M. J., *Rebranding Manufacturing: Involving K-12 Educators*, (moderator - Panel: Ron Mahle, Assistant Director, Monroe-Union County Economic Development, Steven Rotman, Owner and President, Ameritech Die and Mold, Lonnie Love, Group Leader, Automation, Robotics & Manufacturing, Oak Ridge National Labs, June Atkinson, Superintendent, North Carolina Department of Public Instruction), February 12, 2013
- Fleener, M. J., *Leading Up*, Presentation for Panel Discussion, *Managing Up: Working Effectively with Provosts, Presidents, and Boards Panel*, with Lemuel Watson (University of South Carolina), Jane Conoley (UC- Santa Barbara), Fayneese Miller (University of Vermont), Annual Fall Meeting of the Council of Academic Deans from Research Education Institutions (CADREI), Santa Barbara, CA, October 7-10, 2012
- Fleener, M.J. (2012, April), *The Dynamics of Culture, Identity and Second Language Learning in a Web 2.0 World*, Presentation to the Conference on The World and National Languages: Perspectives of Their Development and Role in the Modern Society, Pskov, Russia, April 4, 2012.
- Fleener, M.J, Chapman, A, Johnson, L., (April, 2012). Adding Value to Value-Added: Developing Research Systems for Program Improvement and Public Accountability. American Educational Research Association Annual Meeting, April 13 17, 2012, Vancouver, BC, Canada.
- Fleener, M.J., Lu, L. (April, 2012). Examining Classroom Discourse: Implications for Complexity Analyses of Chinese Mathematics Teaching Reform. American Educational Research Association Annual Meeting, April 13 17, 2012, Vancouver, BC, Canada. (Chaos and Complexity SIG).

- Fleener, M.J, Maher, M., Monaco, M., (February, 2012). Embracing the Glass House: Using data to shape policy and public perception. American Association of Colleges of Teacher Education 64th Annual Conference, February 16-18, 2012, Chicago.
- Fleener, M.J. (February, 2012). Why Mathematics?: Redefining Core Understandings for Gen-Zers and Beyond, Keynote Presentation to the Annual Meeting of the Research Council for Mathematics Learning (RCML), February 24, 2012, Charlotte, NC.
- Fleener, M.J, Chapman, A, Johnson, L., (February, 2012). Complexities of Value-Added: Imagining (and Creating) 21st Century Evaluation Systems for Teachers and Teacher Preparation. American Association of Colleges of Teacher Education 64th Annual Conference, February 16-18, 2012, Chicago.
- Fleener, M.J. (February, 2011). Dimensions of Teacher Education Accountability: A Louisiana Perspective. Paper presentation in the Symposium: Teacher Education Policy in the United States. American Association of Colleges of Teacher Education 63rd Annual Conference, February 24-26, 2011, San Diego, CA.
- Fleener, M.J. (2010, November), *Teacher Education Research: Complexity of Learning Environments and Value Added Studies*, Complexity Science and Educational Research Conference, Shanghai, China.
- Fleener, M.J., Spires, H., Holley, G., (2010, November), *The Internationalization Of Teacher Preparation: Developing Global Citizens For The 21st Century*, Complexity Science and Educational Research Conference, Shanghai, China.
- Fleener, M.J., (February 2010) Emerging leaders: A welcoming session. Panel discussion with Sandra Robinson, Mia Alexander-Snow, Mike Robinson, Jennifer Curry, Nivischi Edwards, Gregory Anderson and Maria Salazar. AACTE 62nd Annual Meeting, February 19-22, Atlanta, GA.
- Fleener, M.J. (February, 2010) UTeach Replication and Institutional Change. Symposium with Mary Harris, Rick Ginsberg, Robert Wimpelberg, Larry Abraham, and Marcy Singer-Gabella. AACTE 62nd Annual Meeting, February 19-22, Atlanta, GA.
- Fleener, M.J. (February, 2009). Emerging Leaders: A Promising Future. Panelist. American Association of Colleges of Teacher Education Annual Conference, February 5-8, 2009, Chicago.
- Fleener, M.J. (November, 2008). The Four P's of Chapter-Level Website Communications: Purpose, Positioning, Presence, and Pictures. Phi Delta Kappa 2008 Summit on High-Performing Educators, November 13-15, San Antonio, TX.
- Fleener, M.J. (February, 2008). Emerging Leaders and a Promising Future: A Welcoming Session for Graduate Students. AACTE 60st Annual Meeting, February 7-10, New Orleans.
- Jewett, L., Carson, R., Smolen, J., Fleener, M.J. (March, 2008). Layering Responses to Natural Disasters Over Time: Frames for Rethinking Education. Gulf South Summit, March 13-15, Belmont University, Nashville, TN.
- Fleener, M.J. (February, 2008). Major Forum: Preparing STEM Teachers: The Key to Global Competitiveness - Moderator. AACTE 60st Annual Meeting, February 7-10, New Orleans.

- Fleener, M.J. (March, 2008). Deterritorializing Service Learning: Messiness of Bricolage Research Toward Educational Transformation. AERA Symposium Session SIG-Service Learning, March 24-28, New York.
- Fleener, M.J., Carson, R., Smolen, J., Calderon, P., Exner, P.E., Callender, K. (2007). Children of Crisis: Merging Teaching, Research and Service Missions through Service Learning and Public Engagement. Gulf-South Summit on Service-Learning and Civic Engagement through Higher Education, March 14-16, New Orleans.
- Fleener, M.J., Gothreaux, C., Willis, E. (2007, July). A Case for Cultural Creativity: A Trans-theoretical Approach to Team Building and Systemic Change. NCCEP/GEAR UP Annual Conference 2007, July 22-25, San Francisco, CA.
- Willis, E., Fleener, M.J. (2007, July). A Literacy Managed Approach. NCCEP/GEAR UP Annual Conference 2007, July 22-25, San Francisco, CA.
- Fleener, M.J., (May-June, 2007). China Lectures: *Curriculum Dynamics: Seeing with Soft Eyes*. Five city tour: Shanghai, Guilin, Xi'An, Harbin, Beijing
- Doll, W., Fleener, M., Trueit, D., (May – June, 2007). China Lectures: *Looking to the Future*. Five city tour: Shanghai, Guilin, Xi'An, Harbin, Beijing
- Fleener, M.J. (2007). Moral Dimensions of Postmodern Criticality in Complexity Research. AERA Symposium Paper SIG-Chaos and Complexity Theories, April 14-18, Chicago, IL.
- Fleener, M.J., Exner, P. (2007). Post-Katrina Educational Contexts: Creating a New Kind of College of Education. Individual Paper Presentation, AACTE, February 24-28, New York City.
- Fleener, M.J. (2007, Jan.). Changing Contexts for Colleges of Education. Baton Rouge Chapter of Delta Kappa Gamma.
- Fleener, M.J. (2007). The Children Hurricane Katrina Left Behind: Schooling Context, Professional Preparation, and Community Politics. Major Symposium, AACTE, February 24-28, New York City.
- Forehand, C., Fleener, M.J. (2007). *Conversations across Cultures: Chinese and American Perspectives on Curriculum, Creativity, Culture and Conformity*. AERA SIG-Educational Change, April 14-18, Chicago, IL.
- Fleener, M.J., Forehand, C. (May 2006). *Creativity and Doll's Three S's: Songs Without End and Selves Without Boundary*. Second World Curriculum Studies Conference, International Association for the Advancement of Curriculum Studies, Tampere, Finland.
- Fleener, M.J. (2007, April). *Awakening Ideas and Creating Futures: Playing to Learn with Soft Eyes*. The Association for the Study of Play 33rd Annual Conference, Rochester, NY.
- Fleener, M.J., Richardson, K. (April, 2006). *Creating Spaces for Learning to Teach: Nonlinear Unfoldings as Methods*. Paper presentation to the AERA, Chaos and Complexity Theories SIG, San Francisco, CA.
- Fleener, M.J., Forehand, C. (April, 2006). *Creativity, Chaos, Complexity and Classrooms: A Journey*. Paper presentation to the AERA, Chaos and Complexity Theories SIG, San Francisco, CA.

- Fleener, M.J. (2006, Nov). Post-Katrina: College's of Education Getting Down and Dirty. Presentation to the Southeast Regional Association of Colleges of Teacher Education, Baltimore, MD.
- Fleener, M.J. (2006, November 4). Katrina: Lessons learned about education. Southeastern Regional Association of Teacher Educators.
- Fleener, M.J. (2006, October). Creating Partnerships with Charter Schools: What are the Positives? Symposium presentation, Annual Meeting of the Council of Academic Deans from Research Institutions (CADREI), Savannah, GA.
- Fleener, M.J. (January, 2006). Leaving Colleges of Education Behind: Re-visioning Roles through Community Partnerships. Paper presentation to the American Association of Colleges of Teacher Education Annual Conference, San Diego, CA.
- Smith, W., Fleener, M.J., Guarino, A.J. (January, 2006). Holding State Accountability Models Accountable: One Possible Means. Roundtable presentation to the American Association of Colleges of Teacher Education Annual Conference.
- Fleener, M.J. (November, 2005). Hacking the System: The Immanence of a Life in Post-Katrina Louisiana, Race, Poverty, Health, & Education Dynamics Exposed. Paper presentation in response to the keynote address: Hacking the Future by Jacques Daignault, Third Annual Meeting of the Complexity Science and Educational Research, Robert, LA.
- Fleener, M.J. (October, 2005). Louisiana: Context, Chaos & Complexity. Special presentation to the Consortium of Academic Deans of Research Extensive Institutions (CADREI), Monterey, CA.
- Fleener, M.J., Matney, G. (April, 2005). *Curriculum Clearings as Being-With Experiences: Authentic Learning through a Heideggerian Lens*. Paper presentation to the AERA, Division B Curriculum Studies, Montreal, Canada.
- Fleener, M.J., Forehand, C. (October, 2004). *Can't stop the song: Cuban experiences as dynamic curriculum*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
- Winfield, A.G., Wilson, A.V., Fleener, M.J., Eaton, L. & Burke, J.M. (October, 2004). *Identity (De)Construction: A postmodern exegesis of sexuality, racism and privilege*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
- Fleener, M.J., Smitherman, S., Richardson, K. (October, 2004). *Complexities, boundaries and mentalities of curriculum: Reading Dorothy Allison, M.T. Anderson and Brent Davis*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
- Fleener, M.J., Doll, W. (October, 2004). *Teaching in Fractaled Spaces*. Conference on Curriculum Theorizing and Classroom Practice, October 21-23, Dayton, Ohio.
- Doll, W., Fleener, M.J. (October, 2004). *Teaching Complexly*. Complexity Science and Educational Research Conference Kingston, Ontario, September 30 - October 3, 2004
- Fleener, M.J., Forehand, Clydia, Robbins, R. (June, 2004). *The cult of efficiency and death of creativity: Lifelong learning as a myth of modern education*. Paper presentation to the 11th International Literacy and Education Research Network Conference on Learning, Havana, Cuba (June 27-30).

- Reynolds, A., Fleener, M.J., Wheatley, G. (June, 2004). *The making of intelligence: Poststructural perspectives of learning*. Paper presentation to the 11th International Literacy and Education Research Network Conference on Learning, Havana, Cuba (June 27-30).
- Murphy, T. J., Walden, S. E., Reed-Rhoads, T., Trytten, D. A., Shehab, R. L., Reynolds, A., Fleener, M.J., & Harris, B. J. (2004). *Impact of Departmental Sovereignty and Faculty Autonomy on Service Classes for Engineering Majors*. AERA.
- Fleener, M.J., Reeder, S. (April, 2004). *Teaching etcetera: Beyond the limits of curriculum presents as explored through postmodern and poststructural perspectives*. Paper presentation to the American Educational Research Association (AERA) Annual Meeting, Division B, San Diego (April 12-16).
- Fleener, M.J., Richardson, K., Matney, G. (April, 2004). *Flights of fancy: Deleuze meets Foucault in a high school flight academy*. Roundtable presentation to the American Educational Research Association (AERA) Annual Meeting, Foucault and Education Special Interest Group, San Diego (April 12-16).
- Reynolds, S., Blair, B., Fleener, M.J., Martin, K., (April, 2004). *Dancing with wolves: Leading within chaos*. Symposium presentation to the American Educational Research Association (AERA) Annual Meeting, Chaos and Complexity Theories Special Interest Group, San Diego (April 12-16).
- Doll, W., Fleener, M.J., Trueit, D. (April, 2004) *Teaching in fractaled spaces*. Annual Meeting of the American Association for the Advancement of Curriculum Studies (AAACS), San Diego (April 14-16).
- Fleener, M.J., Smith, J.K., Abraham, D., Simmons, S. (January, 2004). *Involving community partners: Links with city chambers and other business partners*. Presentation to the Holmes Partnership Eighth Annual Conference, San Diego (January 16-17).
- Fleener, M.J. (October, 2003). *Poststructural approaches to curriculum structures*. Paper presentation to the Fourth Annual Conference on Curriculum and Pedagogy, Atlanta, GA. (October 15-18).
- Fleener, M.J. (September, 2003). *Deterritorializing categories and boundaries of curriculum: Nietzsche, Korzybski, Deleuze, and poststructuralism*. Paper presentation to the Society of Philosophy and History of Education Annual Meeting, San Antonio (September 18-20).
- Fleener, M.J., Doll, W., St. Julien, J. (April, 2003). *Curriculum dynamics*. Paper presentation to the American Educational Research Association, Chaos and Complexity Theories Special Interest Group, Chicago, IL (April 21-25).
- Fleener, M.J., Doll, W., Trueit, D., Wilson, A. (April, 2003). *Curriculum dynamics: Teaching complexly*. Paper presentation to the American Association for the Advancement of Curriculum Studies, Chicago, IL (April 18-21).
- Fleener, M.J., Reynolds, A., Reeder, S., Adolphson, K. (March, 2003). *Emergent curriculum: Classroom cultures, argumentation, and technology*. Paper presentation to the Research Council for Mathematics Learning. Tempe, Arizona (March 6-8).
- Fleener, M.J., Richardson, K., Matney, G., Reynolds, A. (March, 2003). *What is Mathematics?* Paper presentation to the Research Council for Mathematics Learning. Tempe, Arizona (March 6-8).

- Smith, J.K., Ballard, K., Fleener, M.J. (February, 2003). Establishing a statewide policy partnership. Presentation to the Holmes National Partnership Seventh Annual Meeting, Washington, DC (February 21-23).
- Fleener, M.J., et al. (January, 2003). Education and engineering partnerships: Developing new structures and approaches to teacher education, outreach, and student learning. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27)
- Fleener, M.J. et al. (January, 2003). The K-12 tapestry: Weaving collaborative efforts. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27)
- Fleener, M.J., Ormsbee, C., & Marsh, D. (January, 2003). Associate Deans Forum. AACTE, January 24-27, New Orleans.
- Fleener, M.J. et al. (January, 2003). Transcending traditional boundaries: Responding to leadership challenges through cohorts. Presentation to the American Association of Colleges of Teacher Education, New Orleans (January 25-27).
- Smith, J.K., Fleener, M.J., Porter, A., Rhoads, T.R., (January, 2003). The K-12 tapestry, Weaving Collaborative Efforts. Presentation to the IEEE-AACTE Deans Summit, Miami, January 9.
- Fleener, M.J., Erwin, S., & Erwin, J. (2002, October). *Tacit knowledge, heuristic inquiry, and the curriculum: Dancing with the shadow of curriculum futures*. Symposium presentation to the 2002 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 24-26, Dayton, Ohio.
- Carter, A. & Fleener, M.J. (2002, October). *Exploring the teacher's role in developing autonomy*. Paper presentation to the annual meeting of the PME-NA, Athens, Georgia.
- Fleener, M.J., Adolphson, K., Reeder, S. (2002, July). *Robotics activities and constructed problem solving: Creating spaces for learning/doing*. Paper presentation to the PME, East Anglia University, UK.
- Fleener, M.J. (2002, April). *Logical foundations for an organocentric curriculum: Dewey's logic and complexity sciences*. Paper presentation to the American Educational Research Association, April 2-6, Baton Rouge.
- Fleener, M.J. (2001, November). Keynote presentations to the Luhmann Society, Copenhagen, Denmark.
Chaos and Complexity – Session I
Chaos and the Curriculum – Session II
New Science and Postmodern Logics – Session III
- Fleener, M.J. (2001, October). *Curriculum dynamics and postmodern logics: An 'Erwartungshorizonten' of emergent curriculum*. Paper presentation to the 2001 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 26-28, Dayton, Ohio.
- Fleener, M.J. & Carter, A. (2001, October). *Emerging socio-autonomy in the language games of classrooms*. Paper presentation to the 2001 Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice, October 26-28, Dayton, Ohio.

- Fleener, M.J., Reeder, S., Young, E., & Reynolds, A. (2001, March). *History of mathematics: Building relationships for learning*. Paper presentation to the Research Council for Mathematics Learning Annual Meeting, Las Vegas, NV.
- Fleener, M.J. (2001, August). Is chaos research Normal Science?: Logical foundations of postmodern inquiry. Paper presentation to the 11th Annual International Conference for the Society for Chaos Theory in Psychology and Life Sciences. August 3-6, Madison, WI.
- Fleener, M.J., Ingram, A, Brown, C. (2001, March). The challenges of collaboration: GEAR UP partnerships cutting across institutional and organizational barriers. Presentation to the American Association of Colleges of Teacher Education Annual Meeting, Dallas, TX, March 1-4.
- Fleener, M. J. (2000, April). Research paradigms for chaos and complexity: A critical look at scientific inquiry as exemplars or metaphors for inquiry in educational contexts. Paper presentation to the AERA, New Orleans, April 24-28.
- Fleener, M. J. (2000, April). From clocks to chaos: Changing perceptions of nature. Paper presentation to the 78th Annual Meeting of the NCTM, Chicago, IL, April 13-15.
- Fleener, M.J., Carter, A., Smith, E. (2000, Oct.). *Curriculum language games: Discursive spaces as complex emergence of meaning*. Paper presentation to the Journal of Curriculum Theory Conference, Bergamo Retreat Center, Dayton, OH, October 26-28.
- Fleener, M.J. (2000, April). *Creativity, emergence and transactional spaces: An organocentric curriculum for supporting chaotic thinking*. Paper presentation at the Second Annual Conference on the Internationalization of Curriculum Studies, April 27-30, 2000, Louisiana State University, Baton Rouge, LA
- Fleener, M. J. (2000, March). *The organocentric curriculum: Learning and assessment in dynamic learning communities*. Paper presentation at the Annual Meeting of the Research Council for Mathematics Learning, Las Vegas, NV, March 9-11.
- Fleener, M. J. (1999, October). *Dewey's logic, complexity theories, and the curriculum: The intricacies of relationship, process, and change*. Paper presentation to the Annual Meeting of the 1999 JCT Conference on Curriculum Theory and Classroom Practice, Bergamo Conference Center, Dayton, Ohio, October 27-30, 1999.
- Fleener, M. J. (1999, March). *Chaos and complex adaptive systems: An organocentric perspective of the curriculum*. Paper presentation to the Curriculum Theory Project Preconference Session of the Philosophy of Education Society (PES), LSU.
- Fleener, M. J. (1999, February). *Returning to origins – Dia-Among-Gnosis-Understanding: Diagnosing classrooms as complex learning systems*. Paper presentation to the 26th Annual Meeting of the Research Council of Mathematics Learning (formerly RCDPM), February 11-13, College Station, TX.
- Fleener, M. J. (1998, October). *A postcultural approach to understanding and reconstructing school mathematics*. Paper presentation to the Journal of Curriculum Theory Conference on Curriculum Theory and Classroom Practice (Bergamo), Bloomington, IN.

- Fleener, M. J. (1998, October). *Cognitive spacing: Chaotic dimensions of learning*. Panel discussion “Exploring the Complexity of the Nonlinear” with Bill Doll and Donna Trueit, LSU, Journal of Curriculum Theory Conference (Bergamo), Bloomington, IN.
- Fleener, M. J. (1998, February). *Learners as complex adaptive agents: Implications for mathematics education research in the future*, Paper presentation to the Research Council for Diagnostic and Prescriptive Mathematics, College Park, Maryland.
- Fleener, M. J. & Brintball, S. (1998, February). *Using time series analyses to understand the complexity of the classroom with regard to mathematics instruction, sociocultural norms, and sociomathematical norms*. Paper presentation to the Research Council for Diagnostic and Prescriptive Mathematics, College Park, Maryland.
- Fleener, M. J. (1998, February). *Time travel: Modern day paradox of the infinite*. Regional Meeting of the NCTM, Dallas, TX, Feb. 12-14.
- Fleener, M. J. (1998, October). The science and mathematics of chaos and complexity: Changing paradigms for instruction. NCTM Regional, Louisville, KY.
- Fleener, M. J. (1997, November). *History of mathematics past and future: Mathematical paradox from Zeno’s infinite to Einstein’s relativity*. Eastern Regional of the NCTM, Cleveland, OH, Nov. 6-8.
- Fleener, M. J. (1997, October). *G. H. Mead’s Action Theory and Maturana’s System Theory: Constructivism as a philosophy to inform and create learning environments*. Paper presentation to the JCT Conference on Curriculum Theory and Classroom Practice, Bloomington, IN, October 15-18.
- Fleener, M. J. & Laird, S. (1997, October). *An eco-feminist dialogue: Re-valuation of the epistemological foundations of mathematics and education*. Paper presentation to the JCT Conference on Curriculum Theory and Classroom Practice, Bloomington, IN, October 15-18.
- Fleener, M. J. (1997, April). *From Zeno to Mandelbrot: Activities from the history of mathematics*. Presentation to the 75th Annual Meeting of the National Council of Teachers of Mathematics, Minneapolis, MN.
- Pourdavood, R.G. & Fleener, M. J. (1997, October). Sustaining cultures of teaching for liberatory mathematics education. Paper presentation to the Psychology of Mathematics Education – North American Chapter, Bloomington/Normal, IL, October 18-20.
- Fleener, M. J. & Pourdavood, R. G. (1997, March). School reform: Establishing dialogic communities as self-organizing structures for reflection, critique, and change. Paper presentation to the American Educational Research Association, Chicago, IL.
- Pourdavood, R. G. & Fleener, M. J. (1996, October). Examining teachers’ beliefs and practices within a dialogic community. Paper presentation to the 18th Meeting of the North American Chapter of the Psychology of Mathematics Education, Florida.
- Fleener, M. J. & Fry, P. G. (1996, February). The ontologic power of metaphor: Are mathematics reform efforts doomed to failure? Paper to be presented at the Research Consortium for Diagnostic and Prescriptive Mathematics.

- Fleener, M. J. (1996, April). *Fractals, chaos, nonlinear, dynamics, and complexity. Changing worldviews to accommodate mathematical chaos*. Presentation to the National Council of Teachers of Mathematics, San Diego, CA.
- Fleener, M. J. (1995, April). *Developing proportional reasoning: Alternatives to the cross-multiply-then-divide algorithm*. Paper presented at the 73rd Annual Meeting of the National Council of Teachers of Mathematics, Boston, MA.
- Fleener, M. J. (1995, November). *Research on the implementation of calculators in mathematics teaching: Reflecting on teacher beliefs*. Presentation at the National Council of Teachers of Mathematics (NCTM) Regional Meeting, Houston, TX.
- Fleener, M. J., Pourdavood, R., & Fry, P. G. (1995, October). A study of preservice teacher's metaphors for the different roles of the mathematics teacher. Paper presented at the 17th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.
- Fleener, M. J. (1995, August). *Towards a theory of a philosophy of mathematics education*. Presentation to the First International Seminar on Philosophy of Mathematics Education, UNESP-Rio Claro, Brazil.
- Fleener, M. J. (1995, July). *New science, complexity and classroom contexts: Examining relationships, not things*. Short oral report to the Annual Conference of the Psychology of Mathematics Education, Recife, Brazil.
- Fry, P. G., Fleener, M. J., & McKinney, L. J. (1995, April). An analysis of teacher-class interaction metaphors. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Fleener, M. J. (1995, March). Relationships among experience, philosophy and beliefs related to calculator use. Paper presented at the Society for Information Technology & Teacher Education 6th International Conference, San Antonio, TX.
- Fleener, M. J. (1995, February). Attitudes, Chaos and fractals: Analyzing teachers' beliefs about calculators using complexity analysis. Presentation at the Annual Meeting of the Research Consortium of Diagnostic and Prescriptive Mathematics, Las Vegas, NV.
- Fleener, M. J. (1995, April). Dissipative structures and educational contexts: Rethinking research paradigms to understand teacher change. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Fleener, M. J. (1995, April). Learning organizations in a quantum age: Are mathematics education research paradigms adequate? Paper presented at the 1995 National Council of Teachers of Mathematics Research Pre-session, Boston, MA.
- Fleener, M. J. (1995, April). The myth of normal science in the shadow of chaos. Paper presentation to the Annual Meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA.
- Fleener, M. J. (1994, February). Chaos theory and cognitive research: The need for new paradigms. Paper presentation to the 21st Annual Conference of Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Fort Worth, TX.
- Fleener, M. J., & Reynolds, A. (1994, November). The relationship between preservice teachers' metaphors for mathematics learning and Habermasian interests. Paper presented at the 16th Annual Meeting of Psychology in Mathematics Education – National (PME-NA), Baton Rouge, LA.

- Fleener, M. J. (1994, July). Contextual frameworks: A research study of teachers' beliefs about calculator use. Paper presentation to the International Symposium on Mathematics/Science Education and Technology Conference, San Diego, CA.
- Fleener, M. J. (1994, march). Is experience enough? A survey of mathematics teachers' philosophies of calculator use. Paper presentation to the 5th Annual Meeting of the Society for Technology and Teacher Education (STATE), Sponsored by the Association for the Advancement of Computing in Education (AACE), Washington, DC.
- Fleener, M. J. (1994, February). Comparative study of preservice teachers', middle school students' and practicing teachers' metaphors for mathematics teaching and learning. Paper presentation to the 21st Annual Conference of the Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Forth Worth, TX.
- Fleener, M. J. (1994, October). *Experiments with randomness: Geometric probability and chaos using the graphing calculator*. Paper accepted for presentation to the Annual Meeting of the School Science and Mathematics Association (SSMA), Fresno, CA.
- Fleener, M. J., Westbrook, S. L., & Rogers, L. N. (1993, April). *Integrating math with 9th grade physical science classes: Developing students' proportional reasoning abilities*. Poster presentation at the Annual Meeting of the American Educational Research Association (AERA), Atlanta, Georgia.
- Westbrook, S. L., Rogers, L. N., & Fleener, M. J. (1993, April). *Using concept maps to examine changes in 9th grade students' conceptions of electrical circuits in a learning cycle classroom*. Poster presentation at the Annual Meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
- Westbrook, S. L., Rogers, L. N., & Fleener, M. J. (1993, April). *So what did you expect?: Examining student understanding of the concept of balance*. Paper presentation at the Annual Meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
- Westbrook, S. L., Fleener, M. J., & Rogers, L. N. (1993, April). *Why are we doing math in science?: Integrating mathematics and science curricula*. Paper presentation at the Annual Meeting of the National Science Teacher Association (NSTA), Kansas City, MO.
- Fleener, M. J. & Westbrook, S. L. (1993, February). *Concepts used in science classes: Moving towards an integrated curriculum*. Paper presentation at the Annual Meeting of the Research Consortium for Diagnostic and Prescriptive Mathematics (RCDPM), Melbourne, FL.
- Fleener, M. J. (1993, April). Proportional reasoning abilities of preservice elementary education majors: An epistemic model of the proportional reasoning construct. Poster presentation at the Annual Meeting of the American Educational Research Association (AERA), Atlanta, Georgia.
- Fleener, M. J. (1993, March). Graphing calculator: Networking strategies for inservice instruction. Paper presentation at the International Conference of the Society for Technology and Teacher Education (STATE), San Diego, CA.

- Roth, M. W., Berehenson, S., Westbrook, S. L., & Fleener, M. J. (1993, April) Achieving reform in science and math education: The challenge of integration. Symposium presentation at the Annual meeting of the National Association for Research in Science Teaching (NARST), Atlanta, Georgia.
- Fleener, M. J. (1992, April). University-school collaboration. Invited panelist at the Precollege-University Partnerships for Math and Science Education Conference, Atlanta, GA.
- Fleener, M. J. & Nicholas, S. N. (1992, April). Facilitating change in mathematics education: A model of developmental change for administrators, teachers, and parents. Paper presentation to the National Conference on Creating the Quality School, Norman, OK.
- Fleener, M. J. (1992, February). Assessment of mathematics and science concepts, principles, problem solving, inquiry, and communication. Paper presentation to the Annual Meeting of the Research Consortium for Prescriptive and Descriptive Mathematics (RCPDM), Princeton, NJ.
- McQuarrie, F., Chiodo, J., Fry, P., & Fleener, M. J. (1992, February). The road to public school and university collaboration in the preparation of teachers for the 21st century. Professional clinic presented at the 72nd Annual National Meeting of the Association of Teacher Educators (ATE), Orlando, FL.
- Chiodo, J., McQuarrie, F., Fleener, M. J., & Fry, P. (1992, February). Hiring and developing a new teacher education faculty: Creationism or evolution? Thematic Session presented at the 72nd Annual National Meeting of the Association of Teacher Educators (ATE), Orlando, FL.
- Fleener, M. J. (1991, October). *Modeling, manipulatives, and the computer: Problem solving tools for middle school and high school mathematics*. Presentation to the combined conference of the Oklahoma Council of Teachers of Mathematics, the Oklahoma Science Teachers Association, and the School Science and Mathematics Regional Conference (UPLINK), Tulsa, OK.
- Fleener, M. J. (1991, February). Inquiry cycle learning in undergraduate education: Applications of constructivist pedagogy that promote equity and cognitive growth. Paper presentation to the National Conference for Enhancing the Quality of Teaching in Colleges and Universities, Charleston, S.C.
- Fleener, M. J., & McQuarrie, F. (1991, January). From the ground up: An institute for research in teacher education in a Holmes Group University. Presentation to the Holmes National Conference, Washington D.C.

Other Conference Presentations & Workshops

State Association Presentations

- Chirino-Klevans, I, Fleener, M.J. (September, 2014). *Integrating social media in the metacognitive process of developing cultural competence in pre-service teachers: Student teaching in China*. North Carolina Association of Colleges of Teacher Education (NC-ACTE) Fall Conference, Raleigh, NC.
- Fleener, M.J., Derr, B., Chirino-Klevans, I. (September 2013). *An invitation to participate in Internationalization of Teacher Education*. North Carolina

- Association of Colleges of Teacher Education (NC-ACTE) Fall Conference, Raleigh, NC
- Petrovich-Mwaniki, L., Fleener, M.J., & Groce, C. (September, 2012). *UNC Efforts to Internationalize Teacher Education*. North Carolina Association of Colleges of Teacher Education (NC-ACTE) Fall Conference, Raleigh, NC.
- Fleener, M.J. (September, 2004). *Mathematical Wonderings: Lessons from the History of Mathematics*. Presentation to the Baton Rouge Council of Teachers of Mathematics.
- Fleener, M.J., Richardson, K., Matney, G. (2004, January). *Expanding the Curricular Terrain*. Oklahoma Educational Studies Association Winter Conference, Stillwater, OK.
- Fleener, M.J., Ingram, A., Smith, J, Richardson, K., Flournoy, V. (Nov, 2002). *GEAR UP Meets America Counts: Coordinating Efforts through Federal Funding Initiatives for Improving Student Achievement*. Oklahoma Association of Colleges of Teacher Education (OACTE)
- Fleener, M.J. (2002, October). *Teaching Complexly*. Curriculum Studies Group. LSU
- Fleener, M. J. (1999, June). *From clocks to chaos: Changing perspectives of nature*. Presentation to the 52nd Annual Meeting of the Oklahoma Council of Teachers of Mathematics
- Fleener, M. J. (1997, February). *History of mathematics from Zeno to Einstein: Paradox and problems with infinity and time*. Central Oklahoma Association of Teachers of Mathematics Spring Conference
- Fleener, M. J. (1996, September). *Time travel, dimensionality, and the infinite: Matching school mathematics and science with students' realities*. Presentation to the Northern Oklahoma Science and Mathematics Teachers' Workshop, Ponca City, OK
- Fleener, M. J. (1996, July). *Excursions in dimensionality: Paradoxes of time travel and other mathematical oddities*. Presentation to the 49th Annual Meeting of the Oklahoma Council of Teacher of Mathematics, Oklahoma City, OK.
- Fleener, M. J., Pourdavood, R., Montis, K. (1995, October). *Living in a fractional dimensional world: Explorations of mathematical chaos*. Presentation to the South Carolina Council of Teachers of mathematics.
- Fleener, M. J., Montis, K., Pourdavood, R., (1995, August). *Flatland, Spereland and Fractal-land: Excursions into dimensionality*. Presentation to the 48th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.
- Fleener, M. J. (1994, October). *How do I do this?: Research on the effects of teaching algorithms*. Presentation at the regional meeting of the National Council of Teachers of Mathematics (NCTM), Tulsa, OK.
- Fleener, M. J. (1994, August). *Commercials, cartoons and calendars: Making connections with student realities*. Presentation to the 47th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.
- Cumby, C., Fleener, M. J., Ochs, C., Pourdavood, R. (1994, August). *Cooperative learning and calculator applications*. Presentation to the 47th Annual Meeting of the Oklahoma Council of Teachers of Mathematics, Oklahoma City, OK.

- Fleener, M. J. (1993, September). *Totally tubular topology*. Presentation at the meeting of the Central Oklahoma Association of Teachers of Mathematics (COATM), Oklahoma City, OK.
- Fleener, M. J. (1993, September). *Probability simulations using the graphing calculator*. Presentation to the annual Meeting of the Northern Oklahoma Science and Mathematics Teachers, Ponca City, OK.
- Fleener, M. J. (1993, August). *Mathematical modeling using the overhead graphing calculator*. Presentation to the Annual Meeting of the Oklahoma Council of Teachers of Mathematics (OCTM), Oklahoma City, OK.
- Fleener, M. J. (1992, September). *Conservation of area and perimeter: Explorations in the middle school mathematics*. Presentation to the annual Meeting of the Northern Oklahoma Science and Mathematics Teachers, Ponca City, OK.
- Fleener, M. J. (1992, April). *Applications for the CASIO graphing calculator that encourage problem solving and reasoning*. Presentation to the regional Meeting Oklahoma Council of Teachers of mathematics (OCTM), Altus, OK.
- Fleener, M. J. (1991, June). *Mathematical models: Powerful tools for problem solving*. Presentations at the regional meetings of the Oklahoma Council Teachers of Mathematics (OCTM), Chickasha, OK and Edmond, OK.
- Fleener, M. J. (1991, May & June). *Expected Learner Outcomes (ELO's) in Mathematics*. Panel discussant leader at the regional meetings of the Oklahoma Council of teachers of Mathematics (OCTM), Chickasha, OK, Edmond, OK, and Moore, OK.

Workshops/Professional Development Conducted

- Leandro Decision 2020: What's Next for North Carolina?* Presentation and Moderator for Lunch-Time Together, Women's Forum of North Carolina, 9/28/2020
- Pre-conference Seminar for Early Career Scholars with Disabilities*, Sponsored by the Spencer Foundation and the American Educational Research Association, Expectations and Etiquette/Developing a Scholarly Identity, 4/4/19.
- Apple, Rubic Cubes and Rivers: Preparing for and "Managing" Exponential Change..* eLearning SIG of NC, 2/28/18
- 2020 Census* – Spring Forum of the Women's Forum of NC, Presider, May, 2018
- A Fair and Just Judiciary* – Fall Forum of the Women's Forum of NC, Presider
- Ready to Lead Workshop* (participant), Raleigh, 9/16/17, Sponsored by the NC Democratic Party
- Accelerated Leadership in Times of Rapid Change*. Presentations for the Advanced Administrators Issues (AAI) institute, College of Education, AY 2017-18 (11/10/17, 4/6/18).
- Accelerated Leadership in Times of Rapid Change*. Presentations for the Advanced Administrators Issues (AAI) institute, College of Education, spring, 2017.
- Accelerated Leadership in Times of Rapid Change*. Presentations for the Executive Leadership Program (ELP), College of Education, spring, 2017.
- What does it mean to be an education advocate?*, Guest presentation, EDUC 533: Social Justice in Education, UNC-Chapel Hill School of Education, 3-21-16
- Girls' Rising Video and Panel Discussion*, (PGU), 11-18-14.

- The Status of Teachers in NC: Panel Interview on National Public Radio The State of Things*, 10/23/14
- The Future of Education in NC: Panel Discussion presented to the Public School Forum Education Policy Fellowship Program*, 10/21/14
- Future Forward Colleges and Universities: Complex Adaptive Systems Approaches to Organizational Dynamics – Identifying our Adaptive Advantages*. Future Forward Colleges Conference, Wake Technical Community College, Raleigh, NC, April, 2014.
- Leading with Chaos in Mind: Eco-systems of Higher Education*. Presentation to the Finance and Business Leadership Team, NC State, February 27, 2014.
- Colleges of Education Futures*. UNC-CH School of Education Alumni Luncheon, December, 2013
- We Are ...NC State*, Prepared for Building Future Faculty Program sponsored by the NC State Office for Institutional Equity and Diversity, April 5, 2013
- US Higher Education: The Academic Leadership – Deans and Department Chairs*, Prepared for Visiting Delegation from Beijing Institute of Technology, Sponsored by NC State Global Training Initiative, March 28, 2013
- US Higher Education and Academic Leadership in Schools & Colleges of Education*, Prepared for Visiting Delegation from East Java Province, Indonesia, Sponsored by Center for International Partnerships, November 15, 2012
- Keynote Presentation - Education's Heart: Cross-Cultural Conversations and Healing Opportunities*, Sponsored by The Divan Center for the 8th Annual Dialogue & Friendship Dinner, Hilton RTP, November 14, 2012
- US Higher Education and Academic Leadership in Schools & Colleges of Education*, Prepared for Visiting Delegation from Shanxi Normal University, Sponsored by the NC State Global Training Initiative, October 31, 2012
- Educating Teachers About the World*, Prepared for the NC Summit on US/China Education, Annual Meeting of NCACTE , Raleigh North Hilton, Raleigh, NC, September 20, 2012
- Educating Teachers About the World* NC Summit on US/China Education, Friday Institute – Nortel, Thursday, September 6,
- Building Partnerships and Capacity*, A Welcome to the Public School Changes Impacting IHEs Conference, Sponsored by the NC Department of Public Instruction, at the Friday Institute, August 10, 2012
- US Higher Education The Academic Leadership – Deans and Department Chairs*, Prepared for Visiting Delegation from Zhongnan University of Economics and Law (ZUEL), Wuhan, China, Sponsored by the Global Training Initiative, NC State University, July 10, 2012
- Revisioning Education - Changing the Conversation* meeting sponsored by the NC Board of Education, Rethinking Education: Working from the Inside Out, February 28, 2012, Friday Institute.
- Innovation, Gen Z, and the Future of Education*, Presentation to the GTI class of SKEMA students, March 27, 2012.
- The Grand Challenges Advancing STEM Symposium*, January, 2012. The Impact of Grand Challenges on Higher Education, Presentation with Dean Louis Martin-Vega (Engineering), North Carolina State University, hosted by NC DPI and NC

- STEM Community Collaborative, Friday Institute for Educational Innovation in Raleigh, North Carolina.
- Presentation to NC State Board of Education Task Force on Global Education, December 14, 2011, *Internationalization of Education – Game Changing Ecologies*
- Teacher Education in Finland*, Public School Forum, December 5, 2011
- 21st Century Colleges of Education: Shaping the Future*, North Carolina State University Board of Trustees, November 18, 2011
- Chaos, Complexity and Curriculum*, Curriculum Theory Project Pre-Conference Workshop: October 12-13, 2011 with William Doll.
- Invited Participant, *The Future of State Universities*, October 6-7, 2011
- Essential Skills for 21st Century Learners*, The NCSU Office of International Affairs and the School of Public and International Affairs Fall Seminar Series “Wellbeing: Education, Health & Global Sustainable Livelihoods,” September 13, 2011.
- Academic Leadership-the Dean’s Role*. GTI 401: US Culture and Education Colloquium – Presentation: US Higher Education: August 30, 2011
- What is a 21st Century College of Education?* New Faculty Orientation – Presentation: August 15, 2011.
- North Carolina Society for Hispanic Professions – Presentation: Preparing 21st century global educators and professionals, August 4, 2011
- Elementary Education School Partnership Retreat – Presentation: NCSU College of Education Creating Educational Futures, June 15, 2011.
- Waiting for Superman, Moderator, Panel Discussion of the movie, April 13, 2011.
- ADVANCE Women in Leadership, Leadership Trajectories and Challenges, March 1, 2011.
- STEM Extension Group, NC State University, A Vision of STEM Education, January 7, 2011.
- New Literacies Collaborative, *Connecting New Literacies with Complexity Theory*, December 20, 2010.
- UNC Deans’ Retreat, *External Context: Stakeholders, Policy & Public Perception*, December 12, 2010.
- NCSU Board of Trustees, *An Introduction to the College of Education*, November 12, 2010.
- Friday Institute Brown Bag Series, *A College Agenda For Teacher Education Research – The Future Of Colleges Of Education*, October 6, 2010.
- GTI 401: US Culture and Education Colloquium, *US Higher Education Academic Leadership – The Dean’s Role*, September, 2010.
- Visiting Delegation from Beijing Jiaotong University, *US Higher Education The Academic Leadership – Deans and Department Chairs*, August, 2010.
- LSU Coast and Environment Brown Bag, *Scientific Futures:PK-20 Education Imperatives*, February 20, 2009.
- Volunteers In Public Schools Partners Workshop, *Nurturing, Developing, and Empowering Tomorrow’s Students Today!*, February 12, 2009.
- Region II Area Superintendents, Baton Rouge, LA., *State of the College of Education*. December 11, 2008

- Southern University Chapter of Phi Delta Kappa Keynote Speaker, *Nurturing, Developing, and Empowering Leaders in Education Today for Tomorrow*, December 7, 2008
- Kappa Delta Epsilon Chapter Initiation Keynote Speaker, *Engaging the Future*, November 23, 2008
- Eduventures Colleges/Schools of Education Learning Collaborative On-Line Focus Meeting, *Faculty Productivity: Policies, Practices and Problematics*. November 11, 2009.
- LSU Class Presentations - 2008
- ELRC 7300 (Fall, 2008). Curriculum Studies: Roles, Responsibilities and Resources
 - ELRC 7605 Law & Ethics in Higher Education (Fall, 2008). Tenure & Promotion and Academic Freedom
 - ELRC 7603 (Fall, 2008). Higher Education Leadership: Dean's Dilemma – Living Core of the Deanship
- Higher Education Graduate Student Orientation (Fall, 2008)
- CADREI (October, 2008). *P-20 Councils and Colleges of Education: Possibilities, Problematics and Politics*. Newport, RI.
- LSU Honors College, *Curriculum Reform in China: A Complex Conversation*, Nov. 2007
- Greater Baton Rouge LSU Alumni Association, *Delta Express: College of Education Collaborative Project at the Renaissance Village FEMA Trailer Park*, April, 2007.
- LSU GEAR-UP Collaborative Team Workshop, *Colleges In Action*, January, 2007.
- LSU College of Education Faculty Research Brownbag, *Reinventing colleges/schools of education*, October 27, 2006
- LSU Student Teaching/Interns, *Educational Futures*, Fall, 2006
- East Baton Rouge Parish School System, Teach Baton Rouge, *Teaching Complexly*, Summer, 2006.
- LSU Geaux Teach, *Teaching Complexly*, Summer, 2006
- LSU Lab School, University High National Honor Society Induction, *The History of America's Future*, Spring, 2006
- LSU Student Teachers/Interns, *Who Are Your Educational Heroes?*, Spring, 2006
- LSU STEP THRU STEM Summer Teacher In-Service, *Historical Understandings, Future's Unleashed*, Summer, 2005
- Nichols State University, *Curriculum Dynamics*, Summer, 2005
- KDE, *Creating Educational Futures*, Spring, 2005
- LSU College of Education, Holmes Graduates, *Passions, Paths, and Possibilities*. Fall, 2004.
- Mid/Del Public Schools, Middle school teacher preparation for mid-level mathematics certification exams, November – May 1999 – 2000
- Mid/Del Public Schools/Rose State Mathematics Consortium, *What is Modern About Modern mathematics: Explorations of the Infinite*, November 1995, 2 hours
- Phillips Petroleum, *Calculators in the Classroom: More than a Computational Tool: Problem Solving and Cooperative Learning using the TI-Explorer*, Presentation to middle school mathematics teachers, September 1995, 4 hours in Tulsa and 4 hours in Oklahoma City

- Oklahoma State Department of Education, Chapter, I, *Empowering Students for Success: Problem Solving and Cooperative Learning*. Presentation to 7 – 12 mathematics teachers, principals, and Chapter I coordinators, June 1995, 1.5 hours
- Mid/Del Public Schools, Oklahoma City, *Cooperative learning and calculators*. Presentation to 6 – 12 grade mathematics teachers, September 1994, 3 hours
- Norman Public Schools, Norman, OK, June 1994, *Powerful manipulatives: K – 12 applications for tangrams*, Presentation to K – 12 mathematics teachers, 3 hours
- Mathematics Education Faculty, Oklahoma State University, Stillwater, OK, December 1993. *Graphing calculator applications: a Casio project update*, 1.5 hours
- University of Oklahoma, Norman, OK, October 1993, *Training of trainers workshop for graphing calculator dissemination-Phase II*, 1 day
- University of Oklahoma Norman, OK, *Practicum for clinical instructors training*, Summers 1991 - 1994, 3 hours each summer
- University of Oklahoma, Norman, OK, May 1992, *Training of trainers workshop for graphing calculator dissemination-Phase I*. 1 day
- West Mid-High, Norman, OK, March 1991, *Incorporating alternative materials and strategies in the teaching of high school mathematics: Management issues and concerns*. 1 day
- Santa Fe Elementary School, Moore, OK, March 1991, *Mathematics anxiety: Research results and preventative measures*, faculty presentation, 2 hours
- University of Oklahoma, Norman, OK, February 1991, *An Introduction to TE-PLUS for Public School Administrators and Counselors*, Presentation to public school superintendents, principals, and counselors, 3 hours
- Norman Retired Teachers Association, Norman, OK, February 1991, *An Introduction to TE- PLUS for Retired Teachers*, 3 hours
- Norman Public Schools, Norman, OK, October 1990, *Implementing the Standards in middle school mathematics*. Presentation to mathematics teachers in grades 6 – 12, 1 day
- Oklahoma Center for Continuing Education, OU, June 1990, *Developing math concepts in K – 2 mathematics*. 3 days
- Center for Mathematics and Science Education, UNC-CH, Fall 1988, *Teaching the advanced placement computer science curriculum-scope and sequence*, 1 day
- Center for Mathematics and Science Education, UNC-CH, Summer 1988. *Abstract data structures and the second semester AP computer science curriculum*, 8 days
- Center for Mathematics and Science Education, UNC-CH, Spring 1988, *Introduction to Pascal*, 3 days
- Center for Mathematics and Science Education, UNC-CH, Summers 1983 – 1984. Learning BASIC, 15 days each summer
- Division of Arts and Science, UNC-CH, Summer 1984, Faculty Training project using the IBM- PC, 10 days

External Grants and Contracts

LSU

- US Department of Education, 2009-2014, *Central Louisiana Academic Residency for Teachers (CART)*, Co-PI (with Gary Byerly, PI), **\$7,982,087**.
- National Science Foundation, 2009-2013, *LSU NOYCE Tigers (Teaching, Investigating, Guiding, Engaging, Researching, Serving)*, Robert Noyce Teacher Scholarship and Summer Internship Program, **\$600,000**.
- Louisiana Board of Regents, 4/2/09 – 8/1/09, *Wallace Foundation Grant Personnel Policy Study*, PI, **\$20,000**.
- East Baton Rouge Parish School System, 02/01/2008 – 06/30/08, *East Baton Rouge CAN! Assessment*, PI (with Suzan Gaston, PD), **\$19,971**.
- Louisiana Board of Regents – BOR, 08/17/2007 – 06/30/08, *Value-Added Teacher Preparation Qualitative Research Study*, PI, **\$28,500**.
- US Department of Education, 2006 - 2012, *GEAR UP LSU*, PI (with Suzan Gaston, PD), **\$5,395,948**.
- Learn and Serve America, 2006-2008, *LSU Ready & Response Service Team*, PI, **\$135,000**.
- Point Coupee Parish Schools, 2006, *LSU TIPS Partnership Subcontract*, PI, **\$38,265**
- LA Board of Regents, 2006, *Literacy Across the Curriculum Subgrant*, PI (with Patti Exner, PD), **\$5,000**
- LA Board of Regents, 2005, *Teacher Preparation Accountability System Professional Development Reward (2005-2006)*, PI, **\$10,000**.
- LA Systemic Initiatives Program (LASIP), 12/07/05, *M.A.T.H. 2006: Mathematics and Assessment Taught Hands-On*, Co-PI (Nell McAnelly PI), **\$188,317**.
- LA Board of Regents, 2005, *Value-Added Teacher Preparation Program Assessment Model*, PI, **\$50,000**
- Southern Association of Colleges and Schools, 2007, *SACS/CASI Support Staff*, PI, **\$6,000**
- Southern Association of Colleges and Schools, 2006, *SACS/CASI Support Staff*, PI, **\$6,000**
- Southern Association of Colleges and Schools, 2005, *SACS/CASI Support Staff*, PI, **\$6,000**

University of Oklahoma

- 2003 NCLB Title II, 2003, *Data-Driven Decision-Making Professional Development for Oklahoma Urban Preservice and Inservice Educators*, Co-PI (with Carla Thompson, David Garner), **\$48,037**.
- 2003 NCLB Title II, 2003, *Teacher Increased Content Knowledge Equals Student Achievement in Mathematics (TICK=SAM)*, Research Consultant (Co-PI's Mary Stewart & Sacra Nicholas), **\$91,139**
- Service Provider, *Mathematics Tutoring Program*, NCLB Title I through Oklahoma City Public Schools, (PI/PD), **\$7,689**
- Oklahoma State Regents for Higher Education, *CITyS: Computer Integrated Technology Services for Preservice and In-service Teachers*. (PI), **\$16,000**.
- National Science Foundation, 2003-2006, *PGE/RES Why Does It Work? A Study of Successful Gender Equity in Industrial Engineering at the University of Oklahoma*, Co-PI (Teri Jo Murphy, PI/PD), **\$990,000**.

- Hitachi Corporation, 1999 - 2002, *Internet-based Training for Teachers to Develop and Implement Multimedia Technologies*, Co-PI, (with Kurt Gramoll, Engineering), **\$253,497**.
- SMARTer Kids PREP Grant for SMART Products, (PD), **\$,748** (with additional funding of \$750 from the College of Education Technology Committee).
- Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1999, *Programmatic Professional Partnerships (P3): Professional Development through Multi-networked Collaborative Inquiry and Graduate Work in Mathematics Education*, PD, (PI Jim Gardner), **\$212,890**, three years
- U.S. Department of Education, 1999-2005, *Gear-Up for Success in College*, (Alan Ingram , Oklahoma City Schools, PI/PD), University of Oklahoma Partner PI/PD, initial award of \$15,000,000 to OKPS (subcontract rate for OU about \$125,000/ year with over **\$600,000** in expenditures through 2003-2004).
- Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1995, *Mathematics and Science Teaching and learning through Computer Mediated Communications*, PI/PD, **\$28,540**.
- Southwestern Bell Foundation Headquarters, 1993, *Technology in the Teaching and Learning of Mathematics: Project for the Integration of Calculators and Cooperative Learning (PICAC) in Intermediate Mathematics*, Co-PI/PD (with Dr. Pamela Fry), **\$9,999**.
- Oklahoma State Regents for Higher Education Title II Eisenhower Grant, 1992, *Problem Solving Through Mathematical and Computer Modeling*, Co-PD (with Drs. Linda Norton & Curtis McNight), **\$50,000**.
- Oklahoma State Regents for Higher Education, Title II Eisenhower, Quality Incentive Grant, 1991-1992, *Immediate Introduction of Calculator Graphics into Oklahoma Middle School Mathematics Classrooms*, Curriculum Specialist and Conference Coordinator, (PI/PD Dr. Andy Magid), **\$11,484** (with matching funds from CASIO of \$456,000).
- Oklahoma State Regents for Higher Educaiton Title II Eisenhower Grant, 1991, *Problem Solving Through Mathematical and Computer Modeling*, Associate Co-director, (PI/PD Dr. Linda Norton), **\$30,000**.

Combined Internal/External Grants

Sooner Counts Mathematics Tutoring, PI/PD, 1999-2004, \$20-25K per year, combined funding from the Oklahoma State Regents, Department of Education Gear-Up, OU Financial Aid, OU College of Education Dean's Office, and OU Department of Instructional Leadership and Academic Curriculum. (Each year, we piece together funding for this program from these various sources. In addition to these direct funds, we generate funds for student tutors through the Federal Work Study program. During the 2000-2001 school year, for example, we generated almost \$54,000 of Federal Work Study money to support our student tutors.)

Teaching Grants

Summer Scholars Program (SSP), University of Oklahoma, Norman, Summers 1995, 1996, Mentor, (PI/PD Bob Petry, Associate Dean, Arts and Sciences).
Summer Scholars Program (SSP), University of Oklahoma, Norman, Summers 1993 – 1995, 1998 –1999, Instructor - Mathematics Modeling and Chaos Theory. (PI/PD Bob Petry, Associate Dean, Arts and Sciences).
Young Scholars Program (YSP), Duke University, Durham, NC, Summers 1989 – 1990, Instructor - Introduction to Computer Science.
Talent Identification Program (TIP), Duke University, Durham, NC, Summers 1987 – 1988, Instructor - Introduction to Computer Science.

Service Grants

National Council of Teachers of Mathematics, Special Needs Grant for Central Oklahoma Association of Teachers of Mathematics (COATM), \$750, as President of COATM 1995 – 1996
Coalition for the Advancement of Science and Mathematics (CASMEO) and the Southwest Educational Development Lab (SEDL), for the Central Region affiliated group of CASMEO, \$1500, 1997

Reviewer for Competitive Grants

US Department of Education, Race to the Top State Grants, 2010.
Teaching Excellence and Achievement (TEA) Selection Committee, U.S. State Department, Education Programs Division, International Research and Exchanges Board, 2009
Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST) Expert Review Panel for the Southwest Educational Development Laboratory (SEDL), Austin, TX, 1992 – 1998.
Dwight D. Eisenhower Mathematics and Science Education Program, Oklahoma State Regents for Higher Education, December, 2001
Dwight D. Eisenhower Mathematics and Science Education Program, Oklahoma State Regents for Higher Education, November, 1995
Youth Academies, Oklahoma State Regents for Higher Education, November, 1996

TEACHING – OU & LSU

Courses Taught

LSU

Graduate:

Chaos, Complexity, Curriculum, and Culture: A Conversation
Chaos and Complexity in Education
Education and the Concept of Time
Educational Understandings: Peirce & Poincare

University of Oklahoma

Graduate:

Postmodern Conversations
Educational Futures
Theory and Research in Mathematics Education
History of Mathematics for Educators
Systems Theories and Learning Organizations
Middle School and Secondary Mathematics Curriculum: Theory and Research
The Use of Technology in the Teaching of Mathematics
Theoretical Issues in Instructional Leadership
Theory and Research in Education
Technology and Classroom Instruction
Developing Number Concepts in Grades K – 2
Mathematical Modeling, 7 – 12

Undergraduate:

Intermediate and Middle School Mathematics Methods, 4-8
Fundamental Concepts and Methods of Teaching Mathematics, 7-12
Elementary Arithmetic for Teachers
Primary Mathematics for Teachers
Primary Mathematics Methods, N-3
Excursions in Dimensionality: Paradoxes of Time Travel and Other Mathematical
Oddities
Elementary Mathematics Curriculum

Advising – Dissertations – Chair

LSU

1. Lu, Lianfang (August, 2011). *Making transitions: A multiple case study of mathematics classroom teaching reform in China.*

University of Oklahoma

1. Forehand, Clydia, (December, 2005). *Journey into creativity.*
2. Richardson, Kerri, (August, 2005). *Creating spaces for learning in the mathematics classroom: A phenomenological study of pre-service teachers.*
3. Che, Megan, (May, 2005). *Cameroonian teachers' perceptions of culture, education and mathematics.*
4. Matney, Gabriel, (July, 2004). *The clearings of authentic learning in mathematics.*
5. Pourdavood, Ross, (December, 2003). *Students' engagement and problem type: A case study of four ninth-grade mathematics students.*
6. Bolin, Phyllis, (July, 2003). *Mathematics in a ubiquitous computing environment: Communication, roles, and sense.*

7. Young, Elaine, (September, 2002). *Unpacking mathematical content through problem solving.*
8. Reeder, Stacy, (July, 2002). *Emergent mathematics curriculum: A case study of two teachers.*
9. Adolphson, Keith, (July, 2002). *Mathematical embodiment through robotics activities.*
10. Brintnall, Sheila, (May, 2002). *E-mentoring: A case study of the viability and benefits of electronic mentoring with beginning teachers in rural schools.*
11. Beatty, Rochelle, (December, 2001). *The relationship among language, classroom discourse, cognitive development, achievement, and vocabulary of developmental mathematics students.*
12. Rose, Jacquinita, (April, 2001). *Impact of an internet project on college mathematics students' discourse and meaning making.*
13. Ahmadifar, Gholam H., (April, 2000). *Impact of culture circles on minority high school students in mathematics.*
14. Darby, Dana, (April, 2000). *A critical exploration of developmental mathematics students' conceptions of the role of mathematics in society.*
15. Dupree, Gloria Nan Donaldson (April, 1999). *Mathematical empowerment: A case study of relational classroom learning.*
16. Johnson, Sandra Scaffeta (February, 1999). *The relationship among the cognitive development level, learning style, achievement, and retention of preserved elementary teachers in a content course in mathematics.*
17. Montis, Kris K. (August, 1997). *Kay: A case study of learning difficulties in mathematics and reading.* (Co-chaired with Anne Reynolds)
18. Pourdavood, Roland G. (May, 1996). *Dialogic community: Four elementary teachers' dialogue on mathematics teaching.*
19. Chen, Jacy (Fall, 1994). *A meta-analysis of the effectiveness of computer-based instruction in mathematics.*
20. Saleh, Umaru (Fall, 1994). *Motivational orientation and calculus students' understanding of limits and continuity.*
21. Mather, Jeanne (August, 1994). *Student perceptions in the mathematics classroom: A study of how African American, Hispanic, and Native American fifth and sixth graders perceive mathematics and the mathematics classroom.* ILAC – Elementary Education.
22. Nicholas, Sacra (May, 1994). *An investigation of teacher reflection: Four mathematics teachers reflect on education.*
23. Easley, Rebecca (May, 1994). *The development and evaluation of the mathematics assessment of performance and communication (MAPC) test.* (Co-chaired with Curtis McKnight).
24. Ferguson, Vicki (May, 1993). *Developing mathematical conceptions: A study of conceptual, skill and pedagogical differences in integer conceptions of preservice teachers – An expository approach vs. a constructivist approach.* (Co-chaired with Curtis McKnight).

Advising – Completed Masters Theses and Programs – Chair

LSU

1. Capoccia, Maria (2008). Comprehensive Exam
2. Meng, Lingqi (2007). Comprehensive Exam

University of Oklahoma

1. Lu, Lianfang (2005). *The perspectives of Chinese secondary high school mathematics teachers regarding use of technology in mathematics teaching and learning.*
2. Wakefield, Jana (2004). *Second Graders' Attitudes Toward and Use of Video Games for Learning.*
3. Flournoy, Vicki Darlene, (2002). *Mathematics beliefs of undergraduate majors.*
4. Allen, Twyla Daynette (2001). *Turning Marching into Dancing: A Critical Analysis of Mathematics Curriculum and Learning.*
5. Weger, Elayne (1998). *Beyond Mentoring: A Study of the Effect of Teacher Support on Professional Growth and Career Longevity.*
6. Wood, Shawn (1995). *Learning algebra through programming graphing calculators.*
7. Young, Dalton (1991). *An exploratory study into the attitudes of Algebra I students.*

Advising – Completed Master Projects – Chair

University of Oklahoma

1. Pratt, Jeffrey J. (2001). *Implementing Constructivism and Technology into the Classroom.*
2. Richardson, Kerri Danielle, (2001). *Adventure Engineering: Development of a middle school science and math curriculum.*
3. Perry, Audra, (2000). *My Mirror: Reflections of my first five years of teaching.* ILAC – Elementary Mathematics Education.
4. Howey, Christopher (1998). *Learning Geometry through the Simulation Model of Teaching – ILAC Generalist*
5. Onan, Rebecca (1998). *The Changed Student: A Discussion of the Effects of Technology on the Student Brain.*

UNIVERSITY SERVICE – PRE-2015

North Carolina State University As Dean

Committees

- Emerging Issues Forum Stakeholders Advisory – *Teachers and the Great Economic Divide* (2013-14)
- Budget Advisory Committee (2011-2014)
- Budget Restructuring Committee (2012-15)
- Faculty Wellbeing Committee (Chair) (2012-15)
- Lead Dean – Digital Transformation of Education Cluster (2012-14)

Campaign Priorities Task Force (2013)
ADVANCE Advisory Board 2011-2013

University Scholarship Selection

Park Scholars Finalist Selection Committee, 2011, 2015
Goodnight Fellows Scholarship Final Selection Committee, 2015

Leadership Special Convening's

STEM Education Roundtable, RTP Foundation, 9/16/14
Organization of Institutional Affiliates of the American Educational Research Association, 2010-14
Board of Governors Workgroup on Teacher Education, Fall, 2014
Future of State Universities, October 6-7, 2011
Wake Ed Partnership Education Summit, 10/12/11
Eisenhower Fellowship: Rapid Change, Rapid Challenge, 10/28/11
Building a Culture of Innovation Through Education, 11/1/11
UCIP Conference, Charlotte, 11/4/11
An Evening with Five Presidents, 11/9/11
Shelton Leadership Forum, 11/18/11
Strategic Conversations in School Innovation, NSP, 1/11/12
Emerging Issues Forums, 2012-2015
State Board of Education – Shape of Public Education Conference, 4/27/12
CADREI (Council of Academic Deans of Research Extensive Institutions)
AACTE (American Association of Colleges of Teacher Education)
AERA (American Education Research Association)

University Service and Participation

Biennial North Carolina Summit on United States/China Education (2010, 2012, 2014)
CINC Mini-Tour, May, 2014
Chaired Interdisciplinary Task Force (Goal 3) of the Strategic Plan 2012
Chaired Search Committee – Vice Chancellor for Academic and Student Affairs 2012
Chaired Search Committee – Development Director CED 2012

Collaborations with

Triangle High Five Math Summit, 2011-2014
NC New Schools, 2011-15
NCPAPA Collaborative Work Sessions, June, 2014
National Early College Conference, 2013
Microsoft YouthSpark, October, 2013
Eduventures Learning Collaborative, 2012-14
Carnegie Project on the Education Doctorate (CPED), 2011-15
Howard Lee Institute, 2013

NC Pathways Partners, 2013
IES & CED Workforce Development
Engineering – Engineering Education
International Programs & I+DEA
International Programs & Higher Education faculty
International Programs – presentations to GTI classes
Confucian Institute & ESL certification in Mandarin
Early College High (committee work, facilities, faculty research, MSA internship)
Science House

Louisiana State University As Dean

Center for Computation and Technology (CCT) Executive Advisory Committee, LSU,
(2005-2006)
Service Learning Advisory Council, LSU, (2005-2010)
Internationalization University Task Force (2008-2010)

University of Oklahoma

University Level

Faculty Senate, 1998 – 2001
Athletic Council, 1998 – 2002 (chair, 2000-2001), Program Review (2003)
Gender Equity Subcommittee of the Athletic Council, 1998-2000, (chair), 2001-2002,
(Chair of gender equity subcommittee for developing five year plan, 2003-2003)
University Copyright Committee, 1996 – 1997
Graduate College Academic Appeals Panel, 1994 – 1995
Lottinville Prize Selection Committee, 1991 – 1994
Director, Independent and Distance Education, College of Continuing Ed, 2003
International Exchange Programs Advisory Committee, 2000-2004
Music Education Faculty Search Committee, 2000-2001
Search Committee, Dean of Arts and Sciences, 1996 – 1997
Speakers Service, 1996 – 1997, Topics: Chaos Theory and Learning Organizations:
Transforming Schools and Preparing our Children for the 21st Century: Who,
What, and How?
Speakers Service, 1995 – 1996, Topic: Chaos Theory and Learning Organizations:
Transforming Schools
Speakers Service, 1994 – 1995, Topic: National Standards and Mathematics Learning

College Level

College of Education Faculty Governance Committee, 1997 – 1999
Education Professions Divisions (EPD) executive committee, 1991 – 1993, 1998 – 2000
Chair of Certification Chairs subcommittee of EPD, 1995 – 1996
College of Education Computer Committee, 1995 – 1998
Division of Teacher Education (DTE) executive committee, 1992 – 1994

College of Education Academic Misconduct and Appeals Board, 1991–1993, 1993–1996
Administrative Council, 1999-2004
Graduate Student Advisory Council (faculty sponsor), 1999-2004
Chair, Mathematics Certification Committee, EPD, 1990-2004
Chair, Graduate Student Advisory Council, 1999-2004
Chair, College of Education Research Committee, 1999-2004
COE Administrative Council, 1999 – 2004
COE Board of Advocates, 1999 – 2004
EPD Advisory Board, 1999 – 2004
Dean’s Facilitators Committee, 1995 – 1996, 2003 - 2004
Graduate Teaching Assistant Awards Selection Committee, 1992
College of Education Scholarship Selection Committee, 1990 – 2004
Elementary Education Certification Committee, 1991 – 2004
College of Education Outstanding Senior Selection Committee, 2002
College of Education Academic Misconduct, chair, 1999-2004
TEACH test review of non-native speakers, 2000-2002
TE-Plus Task Force 2003-2004
NCATE coordinator, World of Practice section, 1990

Department Level

Departmental Governing Committees - OU
Committee A (dept. governing committee with 2 elected faculty representatives), 1995 – 1997
Graduate Studies Committee (1993 – 1994, 1995 – 1997, 2002 – 2005)
Program Development
 Coordinator, Mathematics Education Program Area, 1989 – 2004
 Certification Chair, Mathematics Education, 1991-2004
 Director, Institute for Research in Teacher Education, 1990 – 1991
Department Liaison, Departmental Review, 1990

Community Level

Norman Public Schools Leadership Committee, 1999-2004

OTHER RELATED PROFESSIONAL ACTIVITIES – PRE-2015

National & International Affiliations

American Association of Colleges for Teacher Education (AACTE)
American Education Research Association (AERA)
Association of Curriculum and Pedagogy
Association of Professional Futurists (APF)
Association for Supervision and Curriculum Development (ASCD)
Communities of the Future 2.0 (COTF 2.0)

International Association for the Advancement of Curriculum Studies (IAACS)
National Council Teachers of Mathematics (NCTM)
Phi Delta Kappa (PDK)
Professors of Curriculum (POC)
Research Council for Mathematics Learning (formerly RCDPM)
Society of Philosophy and History of Education (SOPHE)
Society of Professors of Education (SPE)
World Futures Society (WFS)

Advisory Boards

National Advisory Boards

Advisory Group for the joint project of AACTE and the National Center for Educational Accountability (NCEA), 2006-2007

National Editorial Boards

Complicity: An International Journal of Complexity and Education
Non-linear Dynamics in Psychology and the Life Sciences (NDPLS)
International Journal of Instruction

Advisory Boards/Board of Directors

North Carolina Pre-2015

Communities in Schools – Wake County, 2013-present
Divan Center Advisory Board – 2014-16
Public School Forum, 2011 – 2017
Leadership Advisory Board, Early College STEM High School, 2010 – 2015
Governor’s Education Taskforce Committee Advisory Board (GETC) (2011-12)
Educator Effectiveness Workgroup Advisory– NC Department of Public Instruction (2011-12)
NC Business Committee for Education: Collaboration in School Leadership –
Board of Education and New Schools Project (2012)
Teacher Effectiveness Advisory Board for Race to the Top Teacher Initiative, NC
State Department of Instruction, 2010 – 2015
NCSU Advance Advisory Board, 2010-2012

Louisiana

Academic Distinction Fund Advisory Board – Baton Rouge
Baton Rouge Literacy Coalition
Blue Ribbon Commission Advisory Board to the Board of Elementary and
Secondary Education

Department of Education Educational Leadership Professional Learning
Community Board
East Baton Rouge Parish Public Schools Guiding Coalition
Louisiana JumpStart Coalition Advisory Board
LSU College of Engineering STEP ENG² Advisory Board
Partners In Education Advisory Board – Baton Rouge
SACS/CASI Louisiana Council Advisory Board
Youth Leadership Committee – Baton Rouge
Volunteers in Public Schools (VIPS) – Baton Rouge

Oklahoma & Previous North Carolina

Aim-Hi State Mathematics Contest Advisory, OK 1992 – 1997
Coalition for the Advancement of Science and Mathematics in OK (CASMEO),
1997 – 2004
Educational Enrichment Advisory Committee, 1998 – 2000
Math 2001 Advisory– State Regents, 1998 – 2004
Moore-Norman Technology Center - Learning Skills Center Advisory
Board, OK, 1990 – 2004
North Carolina Center For Mathematics and Science Education Advisory Board,
UNC, 1983 –1988
Norman Chamber of Commerce Education Subcommittee, 2003-2004
Oklahoma Aerospace Academy Tutoring Program Advisory Board, 1992 – 1994

Committees and Special Commissions

North Carolina

BEST-NC K-12 Standards and Curriculum Subcommittee, Fall, 2014
BEST-NC K-12 Teacher Recruitment and Training Subcommittee, Fall, 2014
NC Department of Public Instruction, Special Committee on Global Education,
Fall, 2014
North Carolina Department of Public Instruction, 2013-14, CCEG (Common Core
Engagement Group for Higher Education).
Central Carolina Regional Educational Service Alliance (CCRESA), 2013-15.
Governor's Education Transformation Commission, 2011-12, North Carolina
Standards and Assessments Subcommittee of the GETC, 2011-12, North Carolina
North Carolina Department of Public Instruction (DPI), Teacher and Principal
Effectiveness Workgroup, 2010-2011.

Louisiana

Louisiana Board of Elementary and Secondary Education (BESE) High School
Redesign Commission, Preparation and Development of Educators Work
Group, 2005

Louisiana Board of Elementary and Secondary Education (BESE) Blue Ribbon Commission, 2005 – 2009
Selection Committee for the State Mathematics Teacher of the Year, Oklahoma State Department of Education, 2001

Oklahoma

Oklahoma School Testing Program, O-SAT Validity Verification and Standard Setting, November 1999
Oklahoma School Testing Program, Item Review for Mathematics Certification tests, 1998
Oklahoma School Testing Program, Item Review Panel for state CRT, September 1995
Oklahoma School Testing Program, Item Analysis of Pilot Date for PASS, September 1994
Oklahoma School Testing Program, Item Review Panel, December 1993 – January 1994
Oklahoma School Testing Program, Criterion Referenced Testing (CRT) Bid Evaluation Committee, Mathematics, June – 1993 and August 1993
Presidential Awards for Excellence in Mathematics Teaching, March 1995
Presidential Awards for Excellence in Mathematics Teaching, April 1992
Presidential Awards for Excellence in Mathematics Teaching, May 1990
Committee to write objectives for the state CRT, April 1990

Curriculum Work

Oklahoma State Department of Public Instruction, Committee Chair

Mathematics Grades 5 – 8 Companion document to Priority Academic Student Skills (PASS), June 1994
Mathematics Grades 5 – 8 Priority Academic Student Skills (PASS) review for state Criterion Referenced Testing, June 1993
Mathematics Grades 5 – 8 Priority Academic Student Skills (PASS) development committee, February 1993
Student Competencies for College Success development committee, June 1992 – April 1993
Expected Learner Outcomes in Mathematics development committee, February 1991 – May 1991

Elected Officer

National and Regional Organizations

Council of Academic Deans of Research Intensive Education (CADREI), secretary, 2015.

AACTE Targeted Action Group – Internationalization of Teacher Education (ITE), treasurer, 2013-15, President, 2015
Southeastern Conference (SEC) Council of Deans of Education, Chair, 2008-2009
Chapter Member Liaison, Region C1, 2008-2011, Phi Delta Kappa International Treasurer, 2002-2004, Research Council for Mathematics Learning Chair, Chaos and Complexity Special Interest Group of the AERA, 1998 – 2001
Vice President of Publications – Research Council for Diagnostic and Prescriptive Mathematics, 1997 – 1999

State Affiliated Professional Organizations Leadership

Phi Delta Kappa (PDK) – LSU Chapter #0049, President, 2008-2010
Oklahoma Council of Teachers of Mathematics (OCTM)

- Conference Chair, NCTM Regional OKC 2002, 1999 – 2002
- OU/OSU Representative, 1989 – 1993, 1995 – 1999, 2001-2005
- NCTM Representative, OCTM, 1993 – 1995
- Newsletter Co-Editor (Middle School), 1994
- Conference Co-chair for the 45th Annual Conference of OCTM, 1992

Central Oklahoma Association of Teachers of Mathematics (COATM)

- NCTM Representative, 1996 – 1997
- President, 1995 – 1996
- President – Elect, 1994 – 1995

Phi Delta Kappa (PDK), OU Chapter 0025

- Vice – President (Membership), 1990 – 1993
- Delegate to International Congress, 1992 – 1996
- Research Awards Review Committee, 1997 – 1998

Committees in National Organizations

Dissertation Awards Committee, Phi Delta Kappa International, 2009.
Conference Chair, Research Council for Mathematics Learning in 2004, 2003-2004.
Conference Chair, NCTM Regional in 2002, 1999 – 2002
Conference Co-chair, RCDPM 1997, 1996 – 1997
Finance Committee, School Science and Mathematics Association, 1993 – 1999
Dissertation Award Selection Committee, District III, Phi Delta Kappa, 1992, 1994

CONSULTING – PRE-2015

Community Colleges

Wake Tech - Future Forward College Initiative (non-paid)

Mathematics Textbooks

Sage Publications, 2003
D.C. Heath, 1991 – 1992

Program Assessment

Bartlesville Public Schools, Mathematics Assessment Initiative, Bartlesville, OK, 2002-2003.
Tahlequah Public Schools, Middle School Mathematics Improvement Study, Tahlequah, OK, 1992 – 1993 school year

ACCREDITATION WORK – PRE-2015

Council for the Accreditation of Educator Preparation (CAEP), Unit Head, 2015
Accreditation
Council for the Accreditation of Counseling & Related Educational Programs (CACREP), Unit Head, 2013
Louisiana Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI) Board of Directors, 2007 – 2010
National Council for the Accreditation of Teacher Education (NCATE), Unit Head, 2004
Accreditation, LSU
Nationally Trained Reviewer for Specialized Program Area – Mathematics by the National Council of Teachers of Mathematics (NCTM)
Oklahoma Commission on Teacher Preparation (OCTP)/NCATE folio review teams and coordinator for mathematics state reviews, 1999-2004
NC State is NCATE/CAEP and SACS accredited; specialty accreditation in counseling is granted through CACREP; NC State was among the first to be reviewed under the new CAEP standards

OTHER PROFESSIONAL SERVICE – PRE-2015

Reviewer

Reviewer Professional Journals

Action in Teacher Education (2000 - 2005)
International Journal of Qualitative Studies in Education
Journal for Research in Mathematics Education (1993 – 2010)
Journal of School Leadership (2001 - 2006)
Journal of Teacher Education (1993 – 1995)
Mathematics Teaching in the Middle School (1993 – 2005)
Mathematics Thinking and Learning: An International Journal (2003 - 2010)

Reviewer for National Conference Paper Presentations

American Association of Colleges for Teacher Education (AACTE), 1994

American Educational Research Association (AERA)

- Division B2, Curriculum Theorizing, 2000 – 2010, 2016-17
- Division C, 1997 – 2010
- Chaos & Complexity Theories Special Interest Group, 1997 – 2012, 2014-17
- Holistic Education SIG, 2000 – 2007, 2016-17
- Organizational Theory SIG, 1999-2000, 2017-present (Awards Chair, 2018-19)
- Research in Mathematics Education Special Interest Group (SIG/RME), 1994 – 2003

Psychology in Mathematics Education – National (PME-NA), 1994 – 1996

Delegate to National/International Assemblies (Elected)

Phi Delta Kappa, two terms, 1992 – 1994, 1994 – 1996

National Council of Teachers of Mathematics, 1993 – 1995, 1997

Community Service

Communities in Schools Wake County

Board of Directors – 2012-present

Program Chair – 2016-2019

Executive Committee – 2016-2018

AWARDS AND HONORS – PRE-2015

Professional Awards and Honors

North Carolina

College Creating Community Award, NC State, 2014

NC State GLBT Center College It Gets Better Award, 2013

Outstanding Global Engagement Award, NC State University, 2013

125 Women that Make a Difference, NC State University, 2013

Elected to the North Carolina Women’s Forum, 2012

Louisiana

Named Professor - E.B. “Ted” Robert Professor of Education, 2004 – 2010

AdvancEd National Leadership Award, 2010

AdvancEd Leadership Award, Louisiana, 2010

Inducted, Omicron Delta Kappa National Leadership Honor Society, 2009

Elected to the Professors of Curriculum, 2006

Teaching Awards

Outstanding Teaching Award, College of Education, 1995.

Outstanding Teaching and Service Award, Central Oklahoma Association of Teacher of Mathematics (COATM), 1994.

Service Awards

Outstanding Leadership and Service Award, Oklahoma Council of Teachers of Mathematics Award, 2002