

Academic Identification

Name

S. Megan Che

Position

Associate Professor of Mathematics Education August 2012 – present
Department of Teaching & Learning
Clemson University

Academic Background

Assistant Professor of Mathematics Education August 2006 – May
Department of Teaching & Learning 2012
Clemson University

Lecturer 2005 – 2006
Department of Instructional Leadership and Academic Curriculum
University of Oklahoma

High School Mathematics Teacher 1997 – 2003
Del City High School, Del City, OK 1999-2003
PHS Batibo, Batibo, Cameroon 1997-1999

Academic Degrees

Doctorate of Philosophy in Mathematics Education May 2005
University of Oklahoma, Norman, Oklahoma
Dissertation: *Cameroonian teachers' perceptions of culture, education, and mathematics*
Committee: Dr. Jayne Fleener (Chair), Dr. Neil Houser (Co-Chair), Dr. Anne Reynolds, Dr. Tom Owens, Dr. Ed Perkins

Master of Science in Mathematics August 1997
Colorado State University, Ft. Collins, Colorado

Bachelor of Science in Meteorology May 1995
University of Oklahoma, Norman, Oklahoma

Research

Publications

Peer reviewed articles

He, L., He, Z., Bridges, W.C., **Che, S.M.**, & Wang, Y.B. (under review). A Bayesian approach for estimating causal effects with principal stratification and clustering. *Statistics in Medicine*.

- Che, S.M.**, Gomez, C.N., & Kombe, D. (2021). Critical perspectives of racialized identities within social justice and equity in mathematics teaching and learning. *Investigations in Mathematics Learning*, 13(1), 1-4.
- Che, S. M.**, Utley, J., & Reeder, S. (2020). Reasoning and Sense Making in High School Mathematics with Two-Ways. *Mathematics Teacher: Learning and Teaching PK-12*, 113(11), 940-944.
- Kombe, D., **Che, S.M.** & Bridges, W.C. (2019). Students' Gendered Perceptions of Mathematics in Middle Grades Single-Sex and Coeducational Classrooms. *School Science and Mathematics*, 119(7), 417-427.
- Quigley, C., **Che, S.**, Acheing, S. & Liaram, S. (2016). 'Women and the environment are together': Gender inequality in environmental resource management." *Environmental Education Research*, 23(6), 773-796.
- Kombe, D., **Che. S.M.**, Kingree, K., Klar, H. (2016). What happened to single-sex education in South Carolina's middle schools? *South Carolina Association for Middle Level Education Journal*, 8-17.
- Simpson, A., & **Che, M.** (2016). A phenomenological study of middle grade female and male students' single-sex mathematical experiences. *Research in Middle Level Education Online*, 39(2), 1-13. doi: 10.1080/19404476.2016.1138727
- Kombe, D., **Che. S.M.**, Carter, T.L, & Bridges, W. (2016). Student academic self-concept and perception of classroom environment in single-sex and coeducational middle grades mathematics classes. *School Science and Mathematics* 116(5), 265-275.
- Miller, Z. D., Quigley, C., Hallo, J. Seno, S., Dogbey, J., **Che., M.** (2016). Investigating Local Wildlife and Grazing Perspectives of Kenyan Community Members. *Journal of Environmental Management* 32, 44-52.
- Simpson, A., **Che, S.M.**, and Bridges, W. (2015). Girls' and boys' science academic self-concept in single-sex and coeducational classes. *International Journal of Science and Mathematics Education*, 14(8), 1407-1418.
- Simpson, A., Mokalled, S., Ellenburg, L., & **Che, S. M.** (2015). A tool for rethinking teachers' questioning. *Mathematics Teaching in the Middle School* 20(5), 294-302.
- Quigley, C.F., Dogbey, J., **Che, M.** & Hallo, J. (2014). Shared Understandings: Environmental perspectives of Kenyan community members and teachers. *Environmental Education Research*, 21(7), 1079-1104. DOI: 10.1080/13504622.2014.966660.
- Quigley, C. F., Miller, Z. D., Dogbey, J., **Che, M.** & Hallo, J. (2014) "No one should destroy the forest": Using Photo-based Vignette Interviews to Understand Kenyan Teachers' Views of the Environment. *International Journal of Science Education*, 36(17), 2937-2957. DOI: 10.1080/09500693.2014.940024.
- Dogbey, J., Quigley, C. F., **Che, M.** & Hallo, J., (2014). Using Smartphone Technology in Environmental Sustainability Education: The case of the Maasai Mara region in

Kenya. *International Journal of Mobile and Blended Learning*. 6(1), 1-16, DOI: 10.4018/ijmbl.2014010101.

Quigley, C. F, Dogbey, J., **Che, M.** & J., Hallo. (2014) Investigating Local Sustainable Environmental Perspectives of Kenyan Community Members and Teachers. *Cultural Studies in Science Education*, 10(3), 551-580. DOI: 10.1007/s11422-014-9584-1.

Quigley, C. F, Dogbey, J, **Che, M.**, Hallo, J & Womac, P. (2014). Through their lens: The potential of photovoice for understanding environmental perspectives among Kenyan teachers. *The Qualitative Report*. 19(18) 1-22.

Mathews, S. A., Spearman, M., & **Che, S.M.** (2013). Contradictions of democratic education: International perspectives on democracy in American schools. *The Journal of Social Studies Research*, 37(4), 185-193.

Che, S.M. & Wiegert, E. (2012). Problem-solving strategies of girls and boys in single-sex mathematics classrooms. *Educational Studies in Mathematics*, 79(2), 311-326.

Sloop, B., & **Che, S.M.** (2011). Mathematical explorations: Probability with Efron dice. *Mathematics Teaching in the Middle School* 17(2), 116-123.

Che, S.M. & Wiegert, E. (2010). Single-sex mathematics classes at the middle grades: An analysis of instructional variations. *Women in Mathematics Education*.

Wiegert, E., & **Che, S.M.** (2010). Single-sex classrooms in a southern charter middle school: Student, teacher, and parent perspectives. *Current Issues in Middle-Level Education* 15(1), 1-9.

Che, S. M. (2009). Giant pencils: Developing proportional reasoning. *Mathematics Teaching in the Middle School* 14(7), 404-408.

Che, S.M. (2008). Domestic and international power relations in a Cameroonian mission school system. *International Journal of Educational Development*, 28(6), 640-655.

Che, S. M. (2007). Technical and vocational education in Cameroon and critical avenues for development. *Research in Comparative and International Education*, 2(4), 333-345.

Books

Utley, J., Reeder, S., & **Che, S.M.** (under contract, 2022). *Math Talks: Using Number Talks (and Beyond) to Successfully Open Your Math Class*. Math Solutions from Houghton Mifflin Harcourt.

Book Chapters

Che, S.M., Latimer, R., Kraemer, E., Sitaraman, M., Xavier, J. (in press). *Culturally responsive methods for engaging all students in computer science principles*. Accepted as a chapter in C. Mouza, A. Yadav, & A. Leftwich (Eds.), *Preparing Teachers to Teach Computer Science: Models, Practices and Policies*. Information Age Publishing.

Cridland-Hughes, S., Brittain, M., & **Che, M.** (2019). Using photovoice to resist colonial research paradigms. In Strunk, K. & Locke, L. (Eds.) *Research Methods for Social Justice and Equity in Education*. Palgrave-McMillan.

Quigley, C., & **Che, S.M.** (2018). On the need to engage in constructive, productive, scientific discourses on highly controversial and emotionally charged topics. In L. Bryan & K. Tobin (Eds.), *13 Questions in Science Education*.

Invited Book Chapter

Che, S.M. & Baker, T.E. (in press). *Individual Student Internal Contexts and Considerations for Mathematics Teaching and Learning*. In A. Manizade, N. Buchholtz, & K. Beswick (Eds.), *International Perspectives on the Evolution of Research on Teaching Mathematics in Our Digital Era*. Springer Publishing.

Book Review

Che, S. M. (2004). Complexity and the emergence of intelligence [Review of the book *Animal social complexity: Intelligence, culture, and individualized societies*]. *Complicity: An International Journal of Complexity and Education*. 1(1), 109-112.

Additional Scholarly Product

Collins, J., & O'Brien, N. (Eds.) (2003). *Greenwood Dictionary of Education*. Westport, CN. Greenwood Press. Contributed *additive reasoning, conservation, intuition in mathematics, logarithm, mathematical reasoning, multiplicative reasoning, rate of change, and reification*.

Presentations

International & National Conferences

Refereed Conference Proceedings

Britain, M.H., **Che, S.M.**, & Gomez, C.N. (March 2020). Girls' mathematical discourse in single-sex and coeducational classrooms. *Proceedings of the Annual Conference of the Research Council on Mathematics Learning*. Las Vegas, NV.

Nche, O., Boulware, R., **Che, S.M.**, Kraemer, E.T., Sitaraman, M., & Zordan, V.B. (March 2020). Basic code understanding challenges for elementary school children. In the *Proceedings of Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT)*. IEEE, 2020.

Lawson, A., Kraemer, E.T., **Che, S.M.**, & Kennedy, C. (July 2019). A multi-level study of undergraduate computer science reasoning about concurrency. In the *Proceedings of the 2019 ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE 2019)*. Association for Computing Machinery, New York, NY, 210-216.

- Che, S. M.**, Kraemer, E. T., & Sitaraman, M. (2019). Prospective high school computer science teachers' perceptions of inquiry pedagogy and equity. *AERA Online Paper Repository 2019*.
- Nche, O.M., Welter, J., **Che, S.M.**, Kraemer, E.T., Sitaraman, M., & Zordan, V.B. (March, 2019). Codetracesure: Combining gaming, cs concepts, and pedagogy. In the *Proceedings of Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT)*. IEEE, 2019.
- Kraemer, E. T., Sitaraman, M., & **Che, S. M.** (2019, February). How Can We Engage in Inclusive, Culturally Responsive Computer Science?. In *Proceedings of the 50th ACM Technical Symposium on Computer Science Education* (pp. 1251-1251).
- Brittain, M., Cridland-Hughes, S., & **Che, S.M.** (2018). *Exploring single-sex education using photovoice methodology*. Paper presentation at the annual meeting of the American Educational Research Association. New York, NY.
- August, S. E., Pauley, M., **Che, S. M.**, Kraemer, E. T., & Sitaraman, M. (2018, February). Understanding the Essence of Successful Computing Education Projects through Analyzing NSF Proposals. In *Proceedings of the 49th ACM Technical Symposium on Computer Science Education* (pp. 1059-1059).
- King, L., Woodson, A., & **Che, S.M.** (2015). *Educative Psychic Violence: Articulating and Resisting the Ramifications of Slavery Math Problems*. Paper presented at the annual meeting of the College and University Faculty Assembly (CUFA), New Orleans, LA. **This paper received the Kipchoge Neftali Kirkland Social Justice Award for 2015.**
- Che, S.M.**, & Simpson, A. (2015). *Discursive acts of power: A critical analysis of single-sex and coeducational mathematics classes*. Paper Presentation at the annual meeting of the International Group for the Psychology of Mathematics Education, Hobart, Tasmania.
- Simpson, A., & **Che, S. M.** (2015). *Use of I-poems to uncover adolescents' dynamic mathematics identity within single-sex and coeducational classes*. Paper Presentation at the annual meeting of the International Group for the Psychology of Mathematics Education, Hobart, Tasmania.
- Quigley, C.F., Liaram, S. Achieng, S., **Che, S.** (2015). *Women and the environment are together': Gender inequality in environmental resource management*. Paper presented at the American Educational Research Association (AERA). Chicago, IL.
- King, L.J., **Che, S.M.**, Woodson, A.N. (2015). *Educative-Psychic violence: Articulating and resisting the ramifications of slavery math problems*. Paper presented at the American Educational Research Association (AERA). Chicago, IL.
- Carter, T., Kombe, D., & **Che, S.M.** (2014). *Student academic self-concept and perception of classroom environment in single-sex and coeducational middle grades mathematics classes*. Paper presentation at the Psychology of Mathematics Education annual meeting, Vancouver, British Columbia.

- Carter, T., Kombe, D., & **Che, S. M.** (2014). Student Academic Self-Concept and Perception of Classroom Environment in Single-Sex and Coeducational Middle Grades Mathematics Classes. *North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Simpson, A., & **Che, M.** (2014). *A phenomenological study of middle grade female and male students' single-sex mathematical experiences*. Paper presented at the annual meeting of the American Educational Research Association. Philadelphia, PA.
- Quigley, C. F., Dogbey, J., **Che, M.**, Hallo, J. (2014). *Shared Understandings: Common environmental perspectives of Kenyan community members and teachers*. American Educational Research Association. Philadelphia, PA
- Hallo, J., Nabaala, M., Quigley, C., Dogbey, J. & **Che, M.** (2013) Kenyan Community Members' Perspectives of 'Environment' and 'Sustainability', and Their Connections with Protected Areas. A paper presented at the George Wright Society. Denver, CO.
- Quigley, C., Dogbey, J., **Che, M.**, & Hallo, J. (April, 2013). *Through their lens: The potential of photovoice for documentation of environmental perspectives among Kenyan teachers*. A paper presented at the International Conference for National Association of Science Research and Teaching (NARST) Rio Grande, Puerto Rico.
- Quigley, C., Dogbey, J., **Che, M.**, & Hallo, J. (April, 2013). *Through their lens: The potential of photovoice for documentation of environmental perspectives among Kenyan teachers*. A paper accepted for presentation at the International Conference for the American Educational Research Association (AERA) San Francisco, CA.
- Quigley, C., Dogbey, J., **Che, M.**, Hallo, J. & Womac, P. (April, 2013). *Investigating local sustainable environmental perspectives of Kenyan community members and teachers*. A paper presented at the International Conference for the American Educational Research Association (AERA) San Francisco, CA.
- Che, S.M.**, & Wiegert, E. (2012). *Gender and learning environment: An analysis of academic rigor and classroom discourse in all girls, all boys, and coeducational middle grades mathematics classrooms*. Paper presented at the 2012 meeting of the International Congress on Mathematics Education, Seoul, Korea.
- Che, S.M.**, Spearman, M., & Mathews, S.A. (2011). *Contesting neocolonialism: International teachers' professional identities during a U.S. professional development program*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Che, S.M.**, Wiegert, E., & Threlkeld, K. (2009). *Problem-solving strategies of girls and boys in single-sex mathematics classrooms*. Paper presented at the 31st Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Atlanta, GA.

- Che, S.M.**, & Wiegert, E. (2008). *Single-Gendered Classrooms in a Southern Charter School*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Che, S.M.** (2007). *A Jar of Marbles: A Critical View of International Relations and Their Influence on the Conduct of a Study in Cameroon*. Paper presented at the annual meeting of the Comparative and International Education Society conference, Baltimore, MD.
- Che, S. M.** (2006). *Culture, Education, and Mathematics in Post-Colonial Cameroon*. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Francisco.
- Che, S. M.** (2004). *Whose Opportunity? Western Education in a Non-Western Context*. Paper presented at the 2004 Patterson Research Conference, Washington, D.C.
- Matney, G., **Che, S.M.**, & Arbuckle, B. (2003). *Exploring the Ramifications of Enacting the Spirit of Problem Centered Learning in a Standardized Environment*. Paper presented at the annual meeting of the Curriculum and Pedagogy Conference, Decatur, GA.
- Che, S. M.** (2003). *Ramifications of Educating from an Imposed Framework*. Paper presented at the annual meeting of the Society of Philosophy and History of Education, San Antonio, TX.
- Che, S. M.** (2003). *Resistance to Instructional Imperialism*. Paper presented at the annual meeting of the Comparative and International Education Society, New Orleans, LA.

Presentations

- Mitchell, T., Eddy, C., **Che, S.M.**, Young, J., & Wilkerson, T. (under review). *Conversations about building and sustaining participatory research partnerships in mathematics education*. Presentation proposal for the annual meeting of the Association of Mathematics Teacher Educators (AMTE).
- Che, S.M.**, Wilkerson, T., Young, J., Mitchell, T. & Eddy, C. (under review). *Building and sustaining research-practitioner-community partnerships in STEM (mathematics) education*. Presentation proposal for the annual meeting of the School Science and Mathematics Association (SSMA).
- Che, S.M.**, Baker, T.E., & Latimer, R. (2021). *Furthering critical self-reflexivity with computer science teachers and mathematics educators*. Research presentation at the 48th Annual Conference of the Research Council on Mathematics Learning (RCML). Denton, TX.
- Che, S.M.** (2020). *The nature of critical self-reflexivity in mathematics education and computer science education*. Presentation at the annual meeting of the School Science and Mathematics Association (SSMA). Minneapolis, MN.

- Che, S.M.** (2020). *Analyzing teacher/researcher moves with disruptive theories of psychic/humanizing violence*. Research presentation at the 47th Annual Conference Research Council on Mathematics Learning (RCML). Las Vegas, NV.
- Latimer, Y., **Che, S.M.** (2020). *Divergent beliefs: cultural responsiveness of mathematics and CS teachers*. Research presentation at the 47th Annual Conference Research Council on Mathematics Learning (RCML). Las Vegas, NV.
- Britain, M.H., **Che, S.M.**, & Gomez, C.N. (2020). *Girls' mathematical discourse in single-sex and coeducational classrooms*. Research presentation at the Annual Conference of the Research Council on Mathematics Learning (RCML). Las Vegas, NV.
- Reeder, S., Utley, J., & **Che, S.M.** (2020). *Mathematical routines that will support students' sense making, understanding, and reasoning*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators (AMTE). Phoenix, AZ.
- Che, S.M.** (2019). *Pedagogical content knowledge for computer science: Results from two years of computer science professional development*. Presentation at the annual meeting of the School Science and Mathematics Association (SSMA). Salt Lake City, UT.
- Che, S.M.** (2019). *Educative disruption: Understanding trauma in mathematics teaching and learning through theories of violence*. Presentation at the annual meeting of the School Science and Mathematics Association (SSMA). Salt Lake City, UT.
- Che, S.M.** (2019). *Educative disruption: Theories of violence, slavery, and mathematical tasks*. Presentation at the Research Council on Mathematics Learning. Charlotte, NC.
- Lawson, A., Kraemer, E., & **Che, S.M.** (2019). *Student conceptions of concurrency: The concert tickets problem, revisited*. Poster presentation for the annual meeting of the American Educational Research Association. Toronto, Canada.
- Cridland-Hughes, S., Brittain, M., & **Che, S.M.** (2019). *Five questions: Using photovoice to resist colonial research paradigms*. Poster presentation for the annual meeting of the American Educational Research Association. Toronto, Canada.
- Che, S.M.**, Latimer, R., Xavier, J., Sitaraman, M., & Kraemer, E. (2019). *Prospective high school computer science teachers' perceptions of inquiry, pedagogy, and equity*. Poster presentation for the annual meeting of the American Educational Research Association. Toronto, Canada.
- Nche, O., Welter, J., **Che, S.M.**, Kraemer, E., Sitaraman, M., & Zordan, V. (2019). Combining gaming, CS concepts, and pedagogy. In *Association for Computing Machinery (ACM) Proceedings for Research on Equity & Sustained Participation in Engineering, Computing, and Technology (RESPECT)*. Minneapolis, MN.
- Che, S.M.**, Kraemer, E., Sitaraman, M. (2019). How can we engage in inclusive, culturally responsive computer science? Birds of a Feather session at *Association for Computing Machinery (ACM) Special Interest Group in Computer Science Education (SIGCSE)* Minneapolis, MN.

- Che, S.M.** (2018). *Hybrid in-service mathematics teacher PD: Perspectives, beliefs, & insights*. Presentation at the annual meeting of the School Science and Mathematics Association. Little Rock, AK.
- Reeder, S., Utley, J., & **Che, S.M.** (2017). *Developing deep rational number concepts in a fraction of the time*. Presentation at the annual meeting of the School Science and Mathematics Association. Lexington, KY.
- Che, S.M.**, Cridland-Hughes, S., & Brittain, M. (2017). *Student Perspectives: Photovoice Methodology in Mathematics Classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning. Fort Worth, TX.
- Utley, J., Reeder, S., & **Che, S.M.** (2017). *Math starters: High yield algebra tasks that stand the test of time*. Presentation at the annual meeting of the Research Council on Mathematics Learning. Fort Worth, TX.
- Reeder, S., Utley, J., & **Che, S.M.** (2017). *Something old/something new: Rich mathematical tasks that stand the test of time*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators. Orlando, FL.
- Che, S.M.**, Reeder, S., & Utley, J. (2016). *Engaging class openers: Probability and Statistics*. Presentation at the annual meeting of the School Science and Mathematics Association. Phoenix, AZ.
- Kombe, D. & **Che, S.M.** (2016). *Academic rigor in single-sex and coeducational middle grades mathematics classes*. Presentation at the annual meeting of the Research Council on Mathematics Learning. Orlando, FL.
- Che, S.M.** & Bridges, W. (2015). *Classroom environments in single-sex and coeducational mathematics and science middle grades classes*. Presentation at the annual meeting of the School Science and Mathematics Association. Oklahoma City, OK.
- Quigley, C.F., Achieng, S., Liaram, S., **Che, S.** (2015). *'Women are the saviors': Gender issues in environmental resource management*. NARST: A Worldwide Organization for Improving Science Teaching and Learning Through Research. Chicago, IL.
- Simpson, A., **Che, S.M.**, Bridges, W. (2015). *Students' perceptions of science in single-sex and coeducational science classes in the United States*. NARST: A Worldwide Organization for Improving Science Teaching and Learning Through Research. Chicago, IL.
- Carter, T.L., **Che, S.M.**, Bridges, W.C., Kombe, D. (2015). *Teacher-student interactions in single-sex and coeducational math classes*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Las Vegas, NV.
- Kombe, D., **Che, S.M.**, Bridges, W.C. (2015). *Perceptions of mathematics and gender in middle school single-sex classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Las Vegas, NV.

- Quigley, C. F., Dogbey, J., **Che, M.**, Hallo, J. (2014). *Broadening the dialogue: Environmental Perspectives of Kenyan Teachers and Community Members*. NARST International Conference. Pittsburg, PA.
- Kombe, D., Kingree, J., & **Che, M.** (2014). *Principals' Perception of Single-Sex Instruction, its Implementation and Impact on Public Middle Schools in South Carolina*. Poster presented at the annual meeting of the American Educational Research Association: Philadelphia, PA.
- Kombe, D., Simpson, A., & **Che, M.** (2014). *Single-sex Classes and Middle Grades Students' Mathematics Self Concept*. Poster presented at the annual meeting of the National Council of Teachers of Mathematics Research Conference: New Orleans, LA.
- Carter, T.L., **Che, S.M.**, & Bridges, W. (2014). *Academic rigor in single-sex public education and coeducational classes*. Presentation at the annual meeting of the Research Council on Mathematics Learning, San Antonio, TX.
- Mokalled, S. & **Che, S.M.** (2014). *Cognitive rigor matrix and single-sex classes*. Presentation at the annual meeting of the Research Council on Mathematics Learning, San Antonio, TX.
- Simpson, A., Kombe, D., **Che, M.**, & Bridges, W. (2014). *Adolescent students' perceptions of mathematics and science as a gendered domain*. Poster presentation at the annual meeting of the International Group for the Psychology of Mathematics Education, Vancouver, Canada.
- Che, S.M.** & Bridges, W. (2013). *Single-sex mathematics classrooms in public schools: A critical analysis of discursive actions*. Poster presentation at the biennial meeting of the Congress of European Research in Mathematics Education, Antalya, Turkey.
- Che, S.M.**, & Bridges, W. (2013). *Academic self-concept and performance of students in single-sex math and science classes*. Presentation at the annual meeting of the School Science and Mathematics Association, San Antonio, TX.
- Carter, T.L. & **Che, S.M.** (2013). *Gender matters: Examining teacher-student gender interaction in mathematics classroom discourse*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Tulsa, OK.
- Che, S.M.** & Bridges, W. (2013). *Academic rigor in all girls, all boys, and coed mathematics classes*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Tulsa, OK.
- Che, S.M.** (2012). *Critical classroom discourse analysis of single-sex mathematics and science classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Charlotte, NC.
- Mathews, S. A., Spearman, M. and **Che, S. M.** (November 2011). *"Too Much Democracy is Also Not Good": International Teachers' Perspectives of Democracy in U.S. Classrooms*. Presentation at the College and University Faculty Assembly (CUFA) of the National Council for the Social Studies.

- Che, S.M.** & Wiegert, E. (2011). *Classroom discourse analysis of single-sex mathematics and science classrooms*. Presentation at the annual meeting of the School Science and Mathematics Association, Colorado Springs, CO.
- Wiegert, E., & **Che, S.M.** (2011). *Classroom discourse in a standards-based classroom*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Cincinnati, OH.
- Sloop, B., & **Che, S.M.** (2011). *Effects of a reform-based mathematics content course for elementary teachers*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Cincinnati, OH.
- Che, S.M.** (2011). *Secondary pre-service teachers' efforts at facilitating mathematical communication*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Wiegert, E., & **Che, S.M.** (2010). *Discourse and academic rigor in single-sex mathematics classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Conway, AK.
- Wiegert, E., & **Che, S.M.** (2010). *Proportional reasoning in single-sex middle school classrooms: A longitudinal study*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Conway, AK.
- Wiegert, E., & **Che, S.M.** (2010). *Discourse and academic rigor in single-sex mathematics classrooms*. Presentation at the 14th Annual Conference of the Association of Mathematics Teacher Educators, Irvine, CA.
- Che, S.M.** (2010). *Pre-service and In-service teachers' development of algebraic thinking and reasoning*. Presentation at the 14th Annual Conference of the Association of Mathematics Teacher Educators, Irvine, CA.
- Che, S.M.**, & Wiegert, E. (2009). *Proportional reasoning problem-solving strategies of middle-grades girls and boys*. Presentation at the annual meeting of the National Council of Teachers of Mathematics, Washington, D.C.
- Che, S.M.** (2009). *Preparation of GED and Adult Students: A Comparison of Performance on GED and HSAP Items*. Poster presented at the annual meeting of the Research Pre-session of the National Council of Teachers of Mathematics, Washington, D.C.
- Che, S.M.**, & Wiegert, E. (2009). *Emergent Proportional Reasoning: Investigating Learners' Strategies in Single-Sex Mathematics Classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Rome, GA.
- Che, S.M.**, & Wiegert, E. (2009). *International Research on Gender and Education: U.S. Trends and Some Research Directions*. Presentation at the annual meeting of the Comparative and International Education Society, Charleston, SC.

- Che, S.M.**, Wiegert, E., Lorrick, S., & Abel, S. (2009). *Mathematics Teaching and Learning in a Single-Gender Environment*. Presentation at the 13th annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Che, S.M.**, & Wiegert, E. (2008). *Boys' and Girls' Problem-Solving Strategies in Single-Gendered Classrooms*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Oklahoma City, OK.
- Che, S.M.**, & Manizade, A. (2007). *What About the Other Half? Mathematical Thinking and the GED*. Presentation at the 29th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Lake Tahoe, NV.
- Che, S.M.** (2007). *One View of the Terrain of Education and Mathematics in South Carolina: School Choice and Ability Tracking*. Presentation at the annual meeting of the Research Council on Mathematics Learning, 2007, Cleveland, OH.
- Manizade, A. G., & **Che, S. M.** (2007). *Creating E-portfolio to Collect and Present the Evidence of Preservice Teachers' Content Knowledge and Pedagogical Content Knowledge Growth at the Secondary Level*. The 8th International Conference on Technology in Mathematics Teaching (ICTMT), Hradec Králové, Czech Republic.
- Che, S. M.** (2006). *Cameroonian Mathematics Teachers' Discussions of Culture, Mathematics, and Western Influence*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Las Vegas, Nevada.
- Che, S. M.** (2004). *Challenge and Possibility: A Proposal for an Exploration of Mathematics Teacher Cultures in Cameroon*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Oklahoma City, OK.

Invited Presentations

Presentations

- August, S., **Che, S.M.**, Kraemer, E., Pauley, M., & Sitaraman, M. (2019). *Narratives and Evaluation: How to Write Competitive NSF CS Education Proposals*. Presentation at the Post-Symposium Workshop, Understanding the Essence of Successful Computing Education Projects through Analyzing NSF Proposals, for the annual meeting of the Special Interest Group on Computer Science Education (SIGCSE). Minneapolis, MN.
- August, S., Kraemer, E., Sitaraman, M., & **Che, S.M.** (2018). *Research methods and philosophies from education*. Presentation at the Post-Symposium Workshop, Understanding the Essence of Successful Computing Education Projects through Analyzing NSF Proposals, for the annual meeting of the Special Interest Group on Computer Science Education (SIGCSE). Baltimore, MD.
- Che, S.M.** (2017). *Research insights from mathematics education*. Panel presentation at the Pre-Symposium Workshop, Understanding and propagating the essence of successful CS education research projects, for the annual meeting of the Special Interest Group on Computer Science Education (SIGCSE). Seattle, WA.

- Che, S.M.**, Patterson, J., Schoer, L, & Genero, N. (2014). *Classroom-based research collaboratives for advancing k-12 instructional strategies*. Presentation at the Institute for the Study of Instructional Strategies. Spartanburg, SC.
- Che, S.M.** & Carter, T. (2014). *Students' reasoning and problem solving strategies in single-sex mathematics classes*. Presentation at the Institute for the Study of Instructional Strategies. Spartanburg, SC.
- Che, S.M.** (2013). *Mathematical reasoning: Gender differences among children in single-sex public school classrooms*. Presentation at Wellesley College. Wellesley, MA.
- Lindle, J.C., Barton, M., **Che, M.**, & Cook, M. (2013). *The next five years: The future of mathematics and science education in South Carolina*. A panel discussion at the Moving from Standards to Practice: Leading Tomorrow's Mathematics and Science Education in South Carolina conference. Clemson, SC.
- Manizade, A., Spearman, M., & **Che, S.M.** (2010). *Ensuring safety for study abroad participants in less-familiar destinations*. Panel presentation for the Standards in Practice: Beyond the Basics of Health, Safety and Security institute. Charlotte, NC.

Regional & State Conferences

Presentations

- Shipman, M., & **Che, S.M.** (2013). *Middle grades geometry in the common core*. Presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.
- Simpson, A., Mokalled, S., & **Che, S.M.** (2013). *Utilize the cognitive rigor matrix to pose questions and mathematical tasks*. Presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.
- Che, S.M.** (2010). *Common Core State Standards and NCTM in South Carolina*. Presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.
- Che, S.M.** (2010). *Re-thinking algebraic content knowledge for secondary in-service and pre-service teachers*. Presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.
- Hoffman, A., & **Che, S.M.** (2010). *Developing algebraic thinking using pattern trains*. Presentation accepted for the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.
- Che, S.M.** (2010). *Secondary School Teacher Education in Mathematics*. Presentation at the annual meeting of the South Carolina Mathematical Association of Two Year Colleges, Columbia, SC.

Che, S.M. (2009). *Algebraic Generalizations and Student Learning*. Presentation accepted for the annual meeting of the South Carolina Council of Teachers of Mathematics, Columbia, SC.

Che, S.M. (2009). *Single-gender Classrooms in a Southern Charter School*. Presentation at the annual meeting of the South Carolina Educators for the Practical Use of Research, Columbia, SC.

MacArthur, M., Martin, L.A., Threlkeld, K., **Che, S.M.**, Coker, T., Hedetnimi, T. (2008). *Name That Strategy: Problem-Centered Learning in Mathematics*. Presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Charleston, SC.

Che, S.M. (2007). *Co-constructing Classroom Environments that Support Mathematics Thinking: First Day Activities*. Paper accepted for presentation at the annual meeting of the South Carolina Council of Teachers of Mathematics, Greenville, SC.

Che, S. M., & Manizade, A. (2006). *Identity, Dispositions, and Avenues for Change*. Presentation at the annual meeting of the South Carolina Association of Teacher Educators, Myrtle Beach, SC.

Che, S. M. (2002). *Engaging Students Through Problem-Centered Learning*. Presented at the annual meeting of the Oklahoma Association of Colleges of Teacher Education, Edmond, OK.

Grants and Contracts

Funded

Che, S.M. (PI), Kraemer, E., Sitaraman, M. (2017). "CS For All: RPP: A Scalable RPP For Preparing and Supporting Teachers to Teach Culturally Responsive and Rigorous CS Courses in SC High Schools," awarded by the National Science Foundation. \$1,130,316. Funded August 2017.

Sitaraman, M., Marion, R., **Che, S.M.**, Cook, M. Kraemer, E. (2016). "IUSE: Understanding and Propagating the Essence of Successful Computing Education Projects," awarded by the National Science Foundation. \$50,000. Funded August 2016.

Cridland-Hughes, S. & **Che, S.** (2016). "Single-sex Academic Classrooms in Public Co-Educational Schools: What is this Experience Like for Students?" awarded by the University Research Grants Committee, Clemson University. \$8870. Funded June 2016. (Internal)

Fisk, W. (PI), Spearman, M. (Co-PI), **Che, S.M.** (Co-PI), Warner, M.M. (Co-PI), Klar, H. (Co-PI), Quigley, C.F. (Co-PI). (2014). "Clemson University International Leaders in Education Program" awarded by the U.S. Department of State. \$174,327.

Quigley, C.F., **Che, S.M.**, Dogbey, J., Hallo, J. (2013). "Thinking Globally—Acting Locally: Interactive Mobile Exhibit from Kenya to South Carolina." HEHD Interdisciplinary Research Innovation Grant. \$20,000. (Internal)

- Che, S.M.** (PI), Williams, C. (Co-PI), and Sinwell, N.B. (Co-PI). (2012). "iPad Technology in Middle Grades Mathematics: Meeting the Need for Highly Qualified Mathematics Teachers", an Improving Teacher Quality grant funded by the South Carolina Commission on Higher Education. \$61,056.
- Quigley, C., **Che, S.**, Dogbey, J. (2012). "Investigating Local Sustainable Environmental Perspectives of Kenyan Community Members, Teachers and Students." University Research Grant Council. \$9995. (Internal)
- Quigley, C.F., **Che, S.**, Dogbey, J., Hallo, J. (2012). "Investigating Local Sustainable Environmental Perspectives of Kenyan Community Members, Teachers, and Students." HEHD Interdisciplinary Research Innovation Grant. \$49,997. (Internal)
- Che, S.M.** (PI) and Bridges, W. (Co-PI). (2011). "Impact of Single-Sex Public Educational Environments on Mathematics and Science Classroom Environment, Student Academic Performance, and Student Self-Concept" awarded by the National Science Foundation. \$524,667.
- Padilla, M. (PI), Benson, L.C. (Co-PI), Cooper, M.M. (Co-PI), Cook, M.P. (Co-PI), **Che, S.M.** (Co-PI). (2011). "Tigers Teach Noyce Scholarship" awarded by the National Science Foundation. \$1,199,887.
- Che, S.M.** (PI) and Williams, C. (Co-PI). (2008). "Meeting the Need for Highly Qualified Mathematics Teachers", an Improving Teacher Quality grant funded by the South Carolina Commission on Higher Education. \$339,266. Awarded Spring 2008. Renewed Spring 2009, Spring 2010, Spring 2011.
- Fisk, W. (PI), Spearman, M. (Co-PI), **Che, S.M.** (Co-PI), Dogbey, J. (Co-PI), Klar, H. (Co-PI). "Clemson University International Leaders in Education Program" awarded by the U.S. Department of State. (2011). \$185,819.
- Fisk, W. (PI), Mathews, S.A. (Co-PI), Spearman, M. (Co-PI), **Che, S.M.** (Co-PI). "Clemson University International Leaders in Education Program" awarded by the U.S. Department of State. (2010). \$170,122.
- Fisk, W. (PI), McGaha, J. (Co-PI), **Che, S.M.** (Co-PI), Mathews, S. (Co-PI), Spearman, M. (Co-PI). "Clemson University International Leaders in Education Program" awarded by the U.S. Department of State. (2009). \$160,423.
- Che, S.M.** (PI), McKnew, M. (Co-PI), McKnew, J. (Co-PI), Minor, J. (Co-PI), Brandon, S. (Co-PI). "Encouraging Engineering and Technical Careers: A Curriculum to Incorporate FIRST LEGO League Teams into Math and Science Education at the Elementary School Level" awarded by Clemson University Creative Inquiry. (2008). \$2400. (Internal)
- Che, S.M.** (PI), Wiegert, E. (Co-PI). "Single-Gendered Classrooms and Mathematics Learning", awarded by the Clemson University Research Investment Fund. (2008). \$13,000. (Internal)

Manizade, A. (PI), **Che, M.** (Co-PI), and Spearman, M. (Co-PI). "Improving Teachers' Pedagogical Content Knowledge of Mathematics through International Experiences", awarded by the Clemson University International Program Development. (2007). \$5000. (Internal)

Manizade, A. (PI), **Che, M.** (Co-PI), and Spearman, M. (Co-PI). "Improving Teachers' Pedagogical Content Knowledge of Mathematics: Exploring International Teaching Models", awarded by the Russian Area Studies Committee of Clemson University. (2007). \$5300.00. (Internal)

Manizade, A. (PI), **Che, M.** (PI), and Flowers, T. (Co-PI). "Improving Mathematical Content and Understanding of G.E.D. Students", awarded by Clemson University Creative Inquiry. (2007). \$10,000. (Internal)

Che, S.M. (PI), Manizade, A. (Co-PI), and Bregger, L. (Co-PI). "Depth and Breadth of the Influence of International Thought on American Scholars", awarded by the Clemson University Citizens of the World Program. (2007). \$700. (Internal)

Che, S.M. (PI). "Making the Case for Staying in School: A Study of GED Students and the Mathematics Portion of the GED Examination", awarded by Clemson University College of HEHD. (2007). \$6085. (Internal)

Awards and Honors

Recipient, with LaGarrett King and Ashley Woodson, of the Kipchoge Neftali Kirkland Social Justice Award for 2015. Presented by the College and University Faculty Assembly for the paper, *Educative Psychic Violence: Articulating and Resisting the Ramifications of Slavery Math Problems*.

Mokalled, S., & Che, S.M. (2013). *Cognitive rigor of questions asked in single-sex and coeducational classes*. Poster presented at the HEHD Research Forum. Award winner for Undergraduate Research Poster.

Recipient of the Eugene T. Moore School of Education Excellence in Teaching Award, Spring, 2009.

Teaching & Advising

Teaching

Honors College, Clemson University	August 2017 – Present
HON 2200 <i>Tomboys, Jocks, and Drama Queens: (Trans)Gender Construction in Schools</i>	

Department of Teaching and Learning, Clemson University	August 2006 – Present
EDSC 4370 <i>Technology in Secondary Mathematics</i>	
EDSC 2260 <i>Algebra from a Professional Perspective</i>	
EDSC 3260 <i>Junior Level Field Experience</i>	
EDSC 4260 <i>Teaching Secondary Mathematics</i>	
EDSC 4560 <i>Secondary Mathematics Capstone Seminar</i>	

EDSC 4460 *Student Teaching Supervision for Secondary Mathematics*
 EDSC 8030 *Advanced Methods of Teaching in the Secondary School*
 EDSC 8420 *Advanced Studies in the Teaching of Secondary School Mathematics*
 EDSC 8470 *Current Literature in Mathematics Education*
 EDSC 8620 *Teaching Secondary Mathematics*
 EDF 8790 *Qualitative Research*
 EDF 9200 *Philosophy of Educational Research*
 ED 6410 *Middle Grades Curriculum*
 ED 7380 *Classics in Mathematics and Science Education Research*
 ED 7380 *Selected Topics in Education*
 ED 8240 *Cultural Diversity in Education*
 ED 8600 *Action Research*
 ED 8510 *International Education in P-12 Contexts*
 ED 9010 *Historical and Cultural Foundations of Mathematics Education*
 ED 9010 *Critical Perspectives of k-12 Schooling in the U.S*
 ED 9380 *Grant Development in Education-Related Fields*

School of Statistical and Mathematical Sciences, Clemson University August 2006 – Present
 MATH 7060 *Probability and Statistics for Middle Grades Teachers*
 MATH 7130 *Algebra for Middle Grades Teachers*
 MATH 7140 *Foundations of Mathematics for Middle Grades Teachers*
 MATH 7500 *Modern Algebra for Secondary Teachers*

College of Education, University of Oklahoma August 2003- May 2006
 MATH 2213 *Mathematical Systems*
 MATH 3213 *Data Analysis and Geometric Systems*
 MATH 4232 *Specialized Topics and Methods—A Teacher’s Course*
 EDMA 3001 *Mathematics Education Field Experience Mentoring II*
 EDMA 3053 *Problem-Centered Learning Environments*
 EDMA 3153 *Early Mathematical Concepts*
 EDMA 4001 *Mathematics Education Field Experience Mentoring III*

Advising

College of Education, Clemson University
 Supervision in Graduate Research
Doctoral Committees

Major professor—Completed

Amber Simpson, Ph.D., Curriculum and Instruction - Mathematics Education, 2015
 Karen Threlkeld, Ph.D., Curriculum and Instruction - Mathematics Education, 2015
 Sheliah Durham, Ph.D., Curriculum and Instruction - Mathematics Education, 2015
 Dennis Kombe, Ph.D., Curriculum and Instruction - Mathematics Education, 2016
 McKenzie Brittain, Ph.D., Curriculum and Instruction - Mathematics Education, 2020
 Hilary Tanck, Ph.D., Curriculum and Instruction - Mathematics Education, 2021

Major Professor – In Progress

Rhoda Latimer, Ph.D., Curriculum and Instruction - Mathematics Education
 Brenna Abrams, Ph.D., Curriculum and Instruction - Mathematics Education

Committee Member – Completed

Anna Mukhongo, PhD., Curriculum and Instruction, 2010
Angie Rogers, PhD., Curriculum and Instruction, 2010
Carol Wade, PhD., Curriculum and Instruction - Mathematics Education, 2011
Ben Sloop PhD., Curriculum and Instruction - Mathematics Education, 2011
Marge Bright, PhD., Curriculum and Instruction - Mathematics Education, 2011
Jennifer Cribbs, PhD., Curriculum and Instruction - Mathematics Education, 2012
Ercan Dede, PhD., Curriculum and Instruction - Mathematics Education, 2017

Committee Member – In Progress

Aubrey Lawson, PhD., Computer Science – Human Centered Computing
Olivia Nche, PhD., Computer Science – Human Centered Computing
Tiffany Osburne, PhD., Educational Leadership
Yamil Ruiz, PhD., Curriculum and Instruction - Science Education
Evan Baker, PhD., Curriculum and Instruction - Mathematics Education

Master's Committee

Committee Chair—Completed

Jason Fellers, M. Ed., Secondary Mathematics, 2010
Megan Shipman, M.Ed., Teaching and Learning, 2013
Matthew Schuette, M.Ed., Teaching and Learning, 2015

Committee Member—Completed

Jan Burroughs, M.Ed., Teaching and Learning, 2007
Todd Cherner, M.Ed., Teaching and Learning, 2008
Tiffany Coker, M.Ed., Teaching and Learning, 2008
Becky James, M.Ed., Teaching and Learning, 2010
Michael Mains, M.Ed., Teaching and Learning, 2010
Megan Steele, M.Ed., Teaching and Learning, 2014

Service

Service to Field of Scholarship

Grant Proposal Reviewer

- National Science Foundation – BPC Panels in Computing (2019-present)

Conference Program Chair

- 39th annual meeting of the Research Council on Mathematics Learning. Charlotte, NC: Clemson University & University of North Carolina, Greensboro.

Editorial Board

- *Investigations in Mathematics Learning*. Research Council on Mathematics Learning. November 2020 – Present

Editorship

- Special Issue Guest Editor – *Investigations in Mathematics Learning*, Volume 13(1). Research Council on Mathematics Learning, 2021.
- Matney, G.T. and **Che, S.M.** (Eds.). (2014). *Proceedings of the 41st Annual Meeting of the Research Council on Mathematics Learning*. San Antonio, TX.
- **Che, S.M.** and Adolphson, K.A. (Eds.). (2015). *Proceedings of the 42nd Annual Meeting of the Research Council on Mathematics Learning*. Las Vegas, NV.

Manuscript Reviewer

- *Investigations in Mathematics Learning* (2019 – present)
- *School Science and Mathematics Association* (2012 - present)
- *Mathematics Teaching in the Middle Grades* (2008 – 2015)
- *Comparative and International Education Society* (2006 – 2012)
- *Mathematics Teacher* (2020 – present)
- *Journal for Research in Mathematics Education (JRME)* (2016—present)

Service to Profession

Leadership and Board Positions

- Secretary, Research Council on Mathematics Learning
February 2011-February 2013
- Director At Large, Board of Directors, School Science and Mathematics Association
November 2017-November 2020
- President Elect, Research Council on Mathematics Learning
February 2018-February 2019
- President, Research Council on Mathematics Learning
February 2019-February 2021
- Past President, Research Council on Mathematics Learning
February 2021-February 2022

Professional Organization Committee Member

- Awards Committee – Post-Colonial SIG, American Educational Research Association
(2008-2009)
- Conference Committee – Research Council on Mathematics Learning (2010-2011)
- Nominations Committee – Research Council on Mathematics Learning (2015-2016)
- Elections Committee – School Science and Mathematics Association (2014-2017)

Membership in Professional Organizations

- National Council of Teachers of Mathematics (NCTM)
- Association of Mathematics Teacher Educators (AMTE)
- American Educational Research Association (AERA)
- Research Council on Mathematics Learning (RCML)
- School Science and Mathematics Association (SSMA)

State and Regional Service

- Member of Cradle to Career Collaborative Math Pathways Project Team 2018 - 2019
- Member, SC K-8 Computer Science Standards Writing Committee 2016-2017
- Member, SC Educational Policy Fellows Program 2011-2012
- Government Relations Representative, SC Council of Teachers of Mathematics 2010-2014
- Advisory Assembly Member, SC Council of Teachers of Mathematics 2008-2012
- President, SC Association of Mathematics Teacher Educators 2010-2012
- President Elect, SC Association of Mathematics Teacher Educators 2009-2010
- Member, Publicity Committee, SC Association of Teacher Educators 2007-2008

University Service

Clemson University

- Member – Ombuds Advisory Committee 2019 – present

- Member – Curriculum Committee (Departmental) 2020 – 2021
- Member – College of Education Awards Committee 2019 – present
- Accreditation Report Coordinator, NCTM SPA 2018 – present
- Member – Tenure, Promotion and Reappointment Committee 2017 – 2019
- Secretary/Treasurer – Clemson Chapter AAUP 2017 – 2019
- Chair – Faculty Grievance Board 2017 – 2019
- Member – Faculty Grievance Board 2016 – 2017
- Member – Women’s Commission Child Care Committee 2015 – 2019
- President – Clemson Chapter AAUP 2015 – 2017
- Member – School of Education Strategic Planning Committee 2015 – 2016
- Counselor – Faculty Grievance Process 2015 – 2016
- Member – Race and the University Steering Committee 2015 – 2017
- Chair – Tenure, Promotion, Reappointment Guidelines Rewrite Committee (Departmental) 2014 – 2015
- Member – Curriculum Committee (Departmental) 2014 – 2015
- Senator – Faculty Senate 2012 – 2015
- Member – President’s Commission on Women 2011 – 2015
- Chair – Departmental Graduate Advisory Committee 2010 – 2011
- Member – School of Education Diversity Committee 2009 – 2011
- Member – Departmental Graduate Advisory Committee 2007 – 2009
- Member – School of Education SPA Task Force Committee 2007 – 2009
- Member – School of Education Diversity Committee 2007 – 2008
- Member – College of Education Founding Dean Search Committee 2013 – 2014
- Chair – Search committee: Secondary Science Education TT 2018 – 2019
- Chair – Search committee: Secondary Mathematics Education TT 2015 – 2016
- Member – Search committee: Secondary Social Studies TT 2017 – 2018
- Member – Search committee: Elementary Mathematics TT 2017 – 2018
- Member – Search committee: Secondary English TT 2012 - 2013
- Member – Search committee: Secondary Social Studies TT 2011 - 2012
- Member – Search committee: Elementary Mathematics TT 2011 - 2012
- Member – Search committee: Elementary Mathematics TT 2008 - 2009