Curriculum Vitae

MARK W. ELLIS

EDUCATION

2005, PH.D., Education (Culture, Curriculum, and Change), UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC

- Advisor, Dr. Carol E. Malloy
- Emphasis on mathematics education and teacher preparation
- Dissertation: School Mathematics Practices and the Games of Truth that are School Mathematics

1992, MA, Secondary Education, STANFORD UNIVERSITY, Stanford, CA

- California Single Subject Clear Credential in Mathematics with supplemental authorization in Computer Applications

1991, BA, Sociology (major) and Mathematics (minor), UNIVERSITY OF CALIFORNIA AT SANTA CRUZ, Santa Cruz, CA

- College Honors and Honors in the Major

PROFESSIONAL EXPERIENCE

2014-present CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Professor, Secondary Education
Director, Mathematics and Science Teacher Initiative (MSTI)

- Lead university-wide initiative to increase interest and enrollment in mathematics and science credential programs
- Oversee two field-based early experience programs for future teachers
- Award over $50,000 in scholarships annually to future math/science teachers

Director, Center for Maximizing Teacher Impact (CMTI)

- Work with local school districts to raise awareness of and support for National Board Certification
- Organize candidate support sessions for teachers pursuing National Board Certification

2014-present CURRICULUM ASSOCIATES, Billerica, MA
Lead Author and Advisor

- Advise and collaborate on the design and implementation of print-based mathematics program and web-based diagnostic assessment system.
- Lead Author, Ready Classroom Mathematics, K-8 mathematics series
- Lead Author, Ready Mathematics, K-8 supplemental mathematics series
- Technical Advisory Committee, i-Ready adaptive diagnostic and instruction system (2015-2018)

2020-present NATIONAL BOARD FOR PROFESSIONAL TEACHING STANDARDS
Certification Council

- Establish and revise policies and processes for National Board Certification

2015-2020 MATHEMATICS TEACHER EDUCATION PARTNERSHIP
CSU liaison to Mathematics Teacher Education Partnership Leadership Committee

- Provide thought leadership to Association of Public and Land-grant Universities MTE-P initiative to strengthen secondary mathematics teacher preparation involving over 90 institutions of higher education nationwide
- Helped orchestrate the expansion of CSU involvement in national MTE-P from 1 campus to 20 campuses
- Co-organize annual CSU MTE-P Convening involving 40+ faculty from 20 campuses

2015-2018 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Faculty Lead, Better Together: California Teachers Summit at CSU Fullerton

- Directly involved with shaping the initial conceptualization and implementation of statewide Better Together event
- Provide leadership for annual one-day event for 800 teachers that celebrates the teaching profession and allows for teacher networking through the Edcamp model
- Co-organized teacher engagement (Edcamp facilitator and Ed Talk speaker selection and preparation) for CSU Fullerton Better Together
- Prepared materials about teacher engagement shared statewide

2012-2014 NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, Reston, VA
Executive Committee (one of 3 Board members elected by peers to Executive Committee)

- Met with President and Executive Director before and between Board meetings to shape agenda and preview issues of concern and important decisions to be made

2011-2014 NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, Reston, VA
Director at-large (one of 12 elected members of the NCTM Board of Directors)

- Exercised fiduciary oversight and governance of 60,000 member organization with $16,000,000 annual budget
- Reviewed and refined NCTM's mission and vision statements
- Contributed to the conceptualization and publication of NCTM's Principles to Actions: Ensuring Mathematical Success for All

2009-2014 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Associate Professor, Secondary Education
Director, Center for Maximizing Teacher Impact (CMTI)

- Worked with local school districts to raise awareness of and support for National Board Certification
- Organized candidate support sessions for teachers pursuing National Board Certification

Advisor, Master of Science in Secondary Education, Teaching Foundational Mathematics

- Taught/supervised courses in mathematics education including EDSC 442M Methods of Teaching Foundational Level Mathematics, EDSC 449S Seminar in Student Teaching, EDSC 504 Advanced Educational Technology (math-specific section), EDSC 530 Research in Mathematics Education, and EDSC 542M Advanced Methods of Teaching Foundational Level Mathematics

2009-2012 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Department Chair, Secondary Education

- Led department of 17 full-time faculty and 25 part-time faculty
- Managed course offerings and enrollments to maximize FTES and stay within budget
- Mentored four (4) new tenure-track hires through their first years as new faculty
- Supported launch and growth of 100% online Master's in Secondary Education
- Evaluated and wrote letters for all tenure-track RTP files
- Strengthened school district partnerships including piloting co-teaching model of student teaching fieldwork
- Facilitated transfer of World Languages credential program from Department of Modern Languages to Department of Secondary Education
- Facilitated transfer of Science credential program from College of Natural Sciences and Mathematics to Department of Secondary Education
- Oversaw transition to 100% electronic student teacher evaluations and TPAs
- Contributed to envisioning and writing of the College of Education's Strategic Plan

2007-2009 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
President, Researchers and Critical Educators (RACE)

- Elected by peers to lead interdisciplinary faculty organization committed to promoting excellent scholarship, applied research, and discussion of issues on the topics of race, ethnicity, class, culture, linguistic diversity, and gender.

2005-2009 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Assistant Professor, Secondary Education
Coordinator, Foundational Level Mathematics credential program

- Led FLM program candidate recruitment, selection, placement, and evaluation
- Increased enrollment from 15 candidates to 30 candidates

Advisor, Master of Science in Secondary Education, Teaching Foundational Mathematics

- Taught courses in mathematics education including EDSC 442M Methods of Teaching Foundational Level Mathematics, EDSC 449S Seminar in Student Teaching, EDSC 530 Research in Mathematics Education, and EDSC 542M Advanced Methods of Teaching Foundational Level Mathematics

2004 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC
Teacher Education Supervisor, Master of Arts in Teaching program

- Mentored three graduate students in their teaching of Introduction to Teaching

2002-2003 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC
Teacher Education Instructor, Master of Arts in Teaching program

- Developed and implemented curriculum for "Introduction to Teaching" course

2001-2002 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC
Mathematics Instructor, Elementary Education program

- Taught "Revisiting Real Numbers and Algebra" for pre-service teachers
- Created electronic annotated teaching notes for subsequent instructors

1998-2000 PESCADERO ELEMENTARY SCHOOL, Pescadero, CA
Mathematics Mentor Teacher, grades K-12

- Supported K-5 teachers' use of Investigations mathematics curriculum

1997-2000 PESCADERO ELEMENTARY SCHOOL, Pescadero, CA
Mathematics Teacher, grades 6-8

- Taught mathematics to middle school students using Connected Mathematics
- Responsible for state math assessment scores increasing from 23rd to 65th percentile
- Led implementation of student-led conferences for middle school students

1998-1999 SKYLINE COLLEGE, San Bruno, CA
Mathematics Instructor, Summer school

- Taught algebra to college students
- Developed and implemented mathematics curriculum for Jump Start, a motivational summer program for high school students at risk of dropping out

1994-1995, 1996-1997 TAKINO MIDDLE SCHOOL, Takino-cho, Hyogo, Japan
English Teacher

- Taught English to Japanese middle school students
- Created first-ever Career Day at Takino Junior High School
- Assistant coach, soccer

1992-1994, 1995-1996 SAN BENITO HIGH SCHOOL, Hollister, CA
Mathematics Teacher

- Taught pre-algebra, algebra, geometry, advanced algebra, and bilingual mathematics
- Piloted College Preparatory Mathematics (CPM) in three Algebra 1 classes
- Advisor for MEChA, AIDS Awareness Club, and Key Club

1991-1992 CAPUCHINO HIGH SCHOOL, San Bruno, CA
Mathematics Teacher Intern

- Taught pre-algebra, algebra, and geometry under the guidance of Mentor Teachers

1989-1991 WINGS FOR LEARNING (SUNBURST COMMUNICATIONS), Scotts Valley, CA
Software Tester and Quality Assurance

- Tested line of educational software including Math Connections Algebra I

RESEARCH/PROJECTS

2017-2022 CALIFORNIA STATE UNIVERISTY AT FULLERTON, Fullerton, CA
Principal Investigator, Advancing Teachers of Mathematics to Advance Learning for All (ATMALA); $2,833,000 budget

- Lead collaborative project involving 20 Master Teaching Fellows, secondary mathematics teachers from six local high-need school districts, who will work toward becoming National Board certified and increasing their knowledge of and skill with culturally responsive mathematics teaching.

2017-2018 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Common Core State Standards in Mathematics College Readiness Teacher Development. $47,696 budget

- Lead project to develop online modules to help pre-service teachers of secondary mathematics learn more about what it means to be “college-ready” in mathematics.

2016-2019 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Titan EDUCATOR (Educator Development Using Collaborative and Transformational Onsite Residencies); $1,200,000 budget

- Lead collaborative project involving faculty from three departments in College of Education, two departments in College of Natural Sciences and Mathematics, and four local school districts to refine and scale up a clinical residency teacher preparation model aligned with new California content standards.

2015-2016 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Titan PRIDE (Preparation through co-teaching in a Residency-based Integrated model at professional Development sites); $229,000 budget

- Lead collaborative project with faculty from three departments in College of Education, two departments in College of Natural Sciences and Mathematics, and two local school districts to design and implement a clinical residency teacher preparation model aligned with new California content standards.

2014-2017 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Pathways to New STEM Teacher Excellence; $85,000 budget

- Lead the design and implementation of online mathematics and science methods courses for already-credentialed teachers adding authorization.

2014-2015 Stanford Center for Opportunity Policy in Education (SCOPE), California Teachers Association (CTA), and National Board Resource Center (NBRC) at Stanford Design Team, Instructional Leadership Corps (ILC)

- Contributed to initial design, training, and launch of statewide ILC cadre

2013-2017 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Transforming Academic and Cultural Identidad through Biliteracy (TACIB); $1,462,069 budget

- Lead team of faculty, school district partners, and community-based non-profit science center to create and pilot a dual-language mathematics and science pathway for grades seven and eight.
- Prepared and submitted annual reports to National Science Foundation.

2012-2014 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Faculty Partner, CSU Fullerton Anaheim GEAR UP.

- Provided professional development for teachers and tutors of mathematics at 4 school sites.

2011-2013 NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS (NCTM), Reston, VA
Chair, Media Cluster Editorial Panel; $70,000 budget

- Led a six-person task force in collecting video of high school students engaged in the Standards for Mathematics Practice and creating a prototype video case library.

2011-2013 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Co-Principal Investigator, Teams Enacting Classroom Innovation (TECI); $25,000 budget

- Led teams of teacher candidate/cooperating teacher to design and implement an innovation that focuses math/science learning on student reasoning and sense making through the use of technology tools.

2010-2016 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Co-Principal Investigator, Master Teacher and Mathematics Teacher Fellows Project (MT2); $2,521,440 budget

- Six-year NSF Noyce grant to develop leaders among middle school and high school mathematics teachers in two high-impact school districts.
- Recruited and prepared 22 new teachers of secondary mathematics, 21 of whom are teaching in high-impact schools
- Organized professional growth for 7 Masters Teacher Fellows around research-based practices of mathematics teaching

2008-2011 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Research Consultant, Project Alpha

- Direct data collection for classroom observations of participating and control group teachers as part of a California MSP grant

2007-2008 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton CA
Principal Investigator, Help with English Language Proficiency in Science (HELP Science); $50,000 budget

- Conducted a pilot study of HELP Science online program with 5th grade students and teachers

2006-2008 CALIFORNIA STATE UNIVERSITY AT FULLERTON, Fullerton, CA
Principal Investigator, Characteristics and Needs of Students in the Foundational-Level Mathematics Credential Program; $3,000 budget

2001-2005 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC
Project Director, Mathematics IDentity Development and LEarning (MIDDLE); $1,500,000 budget

- Directed data collection efforts for three-year NSF-funded study of middle school mathematics teaching and learning across five schools with over 500 participants
- Contributed to the writing of the research proposal with Principal Investigators Dr. Carol Malloy, Dr. Judith Meece, and Dr. Jill Hamm

2000-2002 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, Chapel Hill, NC
Research Assistant

- Collaborated with Dr. Susan Friel in revising Connected Mathematics curriculum
- Conducted field research in Magnolia, Arkansas around students' understanding of fraction

PEER-REVIEWED PUBLICATIONS

Yeh, C., Ellis, M., and Mahmood, D. (2020). From the margin to the center: A framework for rehumanizing mathematics education for students with dis/abilities. Journal of Mathematical Behavior, 58. https://doi.org/10.1016/j.jmathb.2020.100758

Zelkowski, J., Yow, J., Ellis, M., and Waller, P. (2020). Engaging mentor teachers with teacher candidates during methods courses in clinical settings. In W. Martin, B. Lawler, A. Lischka, and W. Smith (Eds.), The Mathematics Teacher Education Partnership: The Power of a Networked Improvement Community to Transform Secondary Mathematics Teacher Preparation. Charlotte, NC: Information Age Publishing.

Yeh, C., Ellis, M., & Hurtado, C. (2017). Reimagining the mathematics classroom: Creating and sustaining productive learning environments, K–6. Reston, VA: National Council of Teachers of Mathematics.

Tran, N., Behseta, S., Ellis, M., Martinez-Cruz, A., & Bugarin, J. (2015, Summer). The effects of Spanish English dual language immersion on student achievement in science and mathematics. eJournal of Education Policy. http://nau.edu/COE/eJournal/_Forms/speciss2015/Tran_et_al/

Berry, R.Q. III, Ellis, M.W., Morton, C.H., & Yow, J.A. (2015). I am a teacher. That's what I've done almost all my life. I teach. Journal of Urban Mathematics Education, 8(1), 1-9. http://ed-osprey.gsu.edu/ojs/index.php/JUME/article/view/273/166

Yopp-Edwards, R., Ellis, M., Bonsangue, M., Duarte, T., & Meza, S. (2014). Piloting a co-teaching model for mathematics teacher preparation: Learning to teach together. Issues in Teacher Education, 23(1), 91-111.

Berry, R. Q., III, Ellis, M., & Hughes, S. (2014). Examining a history of failed reforms and recent stories of success: Mathematics education and Black learners of mathematics in the United States. Race, Ethnicity, and Education, 17(4), 540-568. http://dx.doi.org/10.1080/13613324.2013.818534

Berry, R. Q., & Ellis, M. W. (2013). Multidimensional teaching. Mathematics Teaching in the Middle School, 19(3), 172-178.

Ellis, M. W., Barnhart, T., & Milch, L. (2012). Understanding National Board Certification: A guide for teachers and those who support them. Upper Saddle River, NJ: Pearson.

Ellis, M. W., & Bryson, J. (2011). A conceptual approach to absolute value equations and inequalities. Mathematics Teacher, 104(8), 592-598.

Ellis, M. W., Contreras, J., & Martinez-Cruz, A. M. (2009). The mathematical preparation of prospective elementary teachers: Reflections from an interesting problem. Issues in the Undergraduate Mathematics Preparation of School Teachers: The Journal, 2 (Pedagogy). Available online http://www.k-12prep.math.ttu.edu/journal/pedagogy/volume.shtml

Ellis, M. W. (Ed.) (2009). Mathematics for Every Student: Responding to Diversity, Grades 6-8. Reston, VA: NCTM.

Ellis, M. W. (2009). Moving from deficiencies to possibilities: Some thoughts on differentiation in the mathematics classroom. In D. White & J. Sliva (Eds.), Mathematics for Every Student: Responding to Diversity, Grades P-5. Reston, VA: NCTM. [Also appears in A. Flores (Ed.), Mathematics for Every Student: Responding to Diversity, Grades 9-12. Reston, VA: NCTM.]

Ellis, M. W. (2008). Preparing secondary teachers of mathematics with and for democratic practice. In M. Lutz (Ed.), Secondary Mathematics Methods Courses in California, Monograph of the California Association of Mathematics Teacher Educators (pp. 39-49). Available online http://edweb.csus.edu/projects/camte/monograph1.pdf

Ellis, M. W., & Pagni, D. (2008). Exploring segment lengths on the geoboard. Mathematics Teaching in the Middle School, 13(9), 520-525.

Ellis, M. W. (2008) Leaving no child behind yet allowing none too far ahead. Teachers College Record, 110(6), 1330-1356.

Ellis, M. W., Grant, M., & Haniford, L. (Eds.) (2007). Reframing problems in secondary education [Special Issue]. The High School Journal, 91(1).

Ellis, M. W., Grant, M., & Haniford, L. (2007). Reframing problems in secondary education: Alternative perspectives, new insights, and possibilities for action. The High School Journal, 91(1), 1-5.

Ellis, M. W. (2003/2007). President's choice: Constructing a personal understanding of mathematics: Making the pieces fit. Mathematics Teacher, 100(8), 516-522. [Reprint]

Ellis, M. W., Malloy, C. E., Meece, J. M., & Sylvester, P. R. (2007). Convergence of observer ratings and student perceptions of reform practices in sixth-grade mathematics classrooms. Learning Environments Research, 10(1), 1-15.

Martinez-Cruz, A., Ellis, M. W., & Gannon, G. (2007, Spring) Assembling and applying the algebraic thinking puzzle: Patterns, conjectures, proofs and extensions. Ohio Journal of School Mathematics, 37-46.

Akos, P., Shoffner, M., & Ellis, M. (2007). Mathematics placement and the transition to middle school. Professional School Counseling Journal, 10(3), 238-244.

Ellis, M. W. & Berry, R. Q. (2005). The paradigm shift in mathematics education: Explanations and implications of reforming conceptions of teaching and learning. The Mathematics Educator, 15(1), 7-17.

Ellis, M. W. (2005). School Mathematics Practices and the Games of Truth that are School Mathematics. (Doctoral dissertation). Retrieved from ProQuest dissertations & theses full text: The humanities and social sciences collection. (Order no. 3190242).

Ellis, M. W. (2003). Constructing a personal understanding of mathematics: Making the pieces fit. Mathematics Teacher, 96(8), 538-542.

PRAGMATIC PUBLICATIONS

Ellis, M. & Yopp Slowik, H. (2020). Providing formative feedback on prioritized skills: Reflection by California State University, Fullerton. In M. Miller (Ed.), New Generation of Educators Initiative: Transforming teacher preparation (pp. 54-56). The California State University. https://www2.calstate.edu/impact-of-the-csu/teacher-education/Documents/NGEI-Report-2020Apr30.pdf

Ellis, M.W. (2020). Recognizing misconceptions as opportunities to learn mathematics with understanding. Available from https://www.curriculumassociates.com/products/ready-classroom-mathematics/recognizing-misconceptions-as-opportunities-whitepaper

Ellis, M.W. (2018). Knowing and valuing every learner: Culturally responsive mathematics teaching. Available from https://www2.curriculumassociates.com/lp/rcm-crmt-whitepaper.aspx

Yeh, C. & Ellis, M. (2018). Stained glass window designs. In S. McMillen (Ed.), Integrating Math Across the K-6 Curriculum. Reston, VA: NCTM. Available online: https://www.nctm.org/Publications/Microsites/Integrating-Math-K-6/Welcome-to-Integrating-Math-across-the-K-6-Curriculum/

Ellis, M. & Yeh, C. (2018). From leaks to liters: Estimating water loss. In S. McMillen (Ed.), Integrating Math Across the K-6 Curriculum. Reston, VA: NCTM. Available online: https://www.nctm.org/Publications/Microsites/Integrating-Math-K-6/Welcome-to-Integrating-Math-across-the-K-6-Curriculum/

Ellis, M.W. (2017). Fostering student engagement in the mathematical practices. Curriculum Associates. Available from https://www2.curriculumassociates.com/lp/ready-math-core-whitepaper.aspx

Ellis, M. (2016). Making instructional shifts with video cases. The Standard: Official Blog of the National Board for Professional Teaching Standards. Available from http://boardcertifiedteachers.org/blog/making-instructional-shifts-video-cases

Ellis, M.W. (2015). Mastering the most challenging math standards with rigorous instruction. Curriculum Associates. Available from https://www2.curriculumassociates.com/lp/ready-math-whitepaper.aspx

Ellis, M. W. (2011/2012). Create success: Unlocking the potential of urban students. [Review of the book Create success: Unlocking the potential of urban students.] Mathematics Teaching in the Middle School, 17(5), 309-10.

Ellis, M. (2011). Strategic use of technology in teaching and learning mathematics. NCTM Position Statement. http://www.nctm.org/Standards-and-Positions/Position-Statements/Strategic-Use-of-Technology-in-Teaching-and-Learning-Mathematics/

Ellis, M. (2011). Calculator use in the elementary grades. NCTM Position Statement. http://www.nctm.org/Standards-and-Positions/Position-Statements/Calculator-Use-in-Elementary-Grades/

Ellis, M. W. (2011). Teaching the female brain. [Review of the book Teaching the female brain.] Mathematics Teacher, 104(9), 724-25.

Ellis, M. W., & Grant, M. (2010). Kiss my math. [Review of the book Kiss my math: Showing pre-algebra who's boss.] Mathematics Teaching in the Middle School, 16(1), 61-2.

Ellis, M., & Yeh, C. (2009). Solutions to the walk for the paws problem. Teaching Children Mathematics, 15(9), 519-522.

Ellis, M., & Yeh, C. (2009). Solutions to the coloring maps problem Teaching Children Mathematics, 15(8), 455-459.

Ellis, M., & Yeh, C. (2009). Solutions to the using your (number) sense of balance problem. Teaching Children Mathematics, 15(7), 390-393.

Ellis, M., & Yeh, C. (2009). Solutions to the creative arithmetic problem. Teaching Children Mathematics, 15(6), 331-335.

Ellis, M., & Yeh, C. (2008). Solutions to the rock, paper, scissors problem. Teaching Children Mathematics, 15(5), 311-313.

Ellis, M., & Yeh, C. (2008). Solutions to the how many triangles problem. Teaching Children Mathematics, 15(4), 221-223.

Ellis, M., & Yeh, C. (2008). Solutions to the height in coins problem. Teaching Children Mathematics, 15(3), 181-184.

Ellis, M., & Yeh, C. (2008). Solutions to the stained glass window designs problem. Teaching Children Mathematics, 15(2), 101-104.

Ellis, M., & Yeh, C. (2008). Solutions to the from leaks to liters problem. Teaching Children Mathematics, 15(1), 29-31.

Ellis, M., & Yeh, C. (2008). Walk for the paws. Teaching Children Mathematics, 14(9), 541-543.

Ellis, M., & Yeh, C. (2008). Coloring maps: How many colors are necessary? Teaching Children Mathematics, 14(8), 485-487.

Ellis, M., & Yeh, C. (2008). Using your (number) sense of balance. Teaching Children Mathematics, 14(7), 418-420.

Ellis, M., & Yeh, C. (2008). Creative arithmetic: Exploring alternative methods. Teaching Children Mathematics, 14(6), 367-369.

Ellis, M., & Yeh, C. (2007). Rock, paper, scissors. Teaching Children Mathematics, 14(5), 309-310.

Ellis, M., & Yeh, C. (2007). How many triangles? Teaching Children Mathematics, 14(4), 214-216.

Ellis, M., & Yeh, C. (2007). Height in coins. Teaching Children Mathematics, 14(3), 170-172.

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Ellis, M., & Malloy, C. E. (2007). Preparing teachers for democratic mathematics education. In D. Pugalee, A. Rogerson, & A. Schinck (Eds.), Proceedings of the Mathematics Education in a Global Community, Ninth International Conference. Charlotte, NC. http://math.unipa.it/~grim/21_project/21_charlotte_Ellis%20and%20MalloyPaperEdit.pdf

Ellis, M., & Yeh, C. (2007). Stained glass window designs. Teaching Children Mathematics, 14(2), 99-101.

Ellis, M., & Yeh, C. (2007). From leaks to liters: Estimating water loss. Teaching Children Mathematics, 14(1), 45-47.

Ellis, M. W. (2007). Pictorial mathematics. [Review of the book Pictorial mathematics: An engaging visual approach to the teaching and learning of mathematics.] Mathematics Teaching in the Middle School, 12(7), 415.

Costa, V., Ellis, M., Bonsangue, M., & Shultz, H. (2006). Module 6: Strategies for solving problems of area and scale. In V. Costa, M. Bonsangue, and H. Shultz (Eds.) (3rd ed.). Professional Development Resources Online for Mathematics [Online Textbook]. Available from http://www.fullerton.edu/pdrom/

Ellis, M., Shultz, H., and Costa, V. (2006). Module 5: Modeling linear change in middle school mathematics. In V. Costa, M. Bonsangue, and H. Shultz (Eds.) (3rd ed.). Professional Development Resources Online for Mathematics [Online Textbook]. Available from http://www.fullerton.edu/pdrom/

Bonsangue, M., Costa, V., Ellis, M., Goldschmidt, V., & Shultz, H. (2006). Multiple perspectives on online professional development in mathematics: Reflections on an improving teacher quality project. Proceedings of the 4th Hawaii International Conference on Education. Honolulu, HI.

Shultz, H., Costa, V., & Ellis, M. (2005). Module 3: Representing equalities and inequalities in middle school mathematics. In V. Costa, M. Bonsangue, and H. Shultz (Eds.) (2nd ed.). Professional Development Resources Online for Mathematics [Online Textbook]. Available from http://www.fullerton.edu/pdrom/.

Ellis, M. W. & Berry, R. Q. (2004). Sharing your principles and standards with parents. In M. F. Chappell (Ed.), Searching for solutions: A guide for empowering the beginning teacher of mathematics (p. 56). Reston, VA: NCTM.

Ellis, M. W. (2003). The phone call. In A. Mack-Kirschner (Ed.), Powerful teaching and learning: Stories from the classrooms of accomplished teachers. Thousand Oaks, CA: Corwin Press.

Friel, S., Rachlin, S., Doyle, D., Nygard, C., Pugalee, D., & Ellis, M. (2001). Navigating through algebra in grades 6-8. Reston, VA: NCTM.

GRANTS ($10,000,000+ TOTAL)

Ellis, M. (2020). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $147,000).

Ellis, M. (2019). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $147,000).

Ellis, M. (2018). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $147,000).

Ellis, M., Bonsangue, M., & Yopp-Edwards, R. (2017-2022) Advancing Teachers of Mathematics to Advance Learning for All (ATMALA). NSF Noyce Master Teaching Fellow. (Funded, $2,833,000).

Ellis, M. (2017). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $150,000).

Ellis, M., Waller, P., & Ichinose, C. (2017-2018). Common Core State Standards in Mathematics College Readiness Teacher Development. Boeing Foundation. ($47,696 funded).

Ellis, M. (2016). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $162,000).

Ellis, M., Stang, K., Cavallaro, C., and Yopp. H. (2016-2019). Titan EDUCATOR (Educator Development Using Collaborative and Transformational Onsite Residencies). S. D. Jr. Bechtel Foundation. (Funded, 1,200,000).

Ellis, M. (2015). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $162,000).

Ellis, M. (2014). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $167,000).

Ellis, M. (2014). Pathways to New STEM Teacher Excellence. Chevron Foundation (through CSU Chancellor's Office). (Funded, $85,000).

Ellis, M. (2013). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $157,000).

Ellis, M., Martinez-Cruz, A., Tran, N., Matsuda, M., & Yamaguchi, J. (2013-2016). Transforming Academic and Cultural Identidad through Biliteracy. National Science Foundation Mathematics and Science Partnership (DUE 1321339). (Funded, $1,462,069).

Ellis, M., & Bonsangue, M. (2012). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $162,000).

Ellis, M., Bonsangue, M., & Yopp-Edwards, R. (2012). Science ambassadors program. Mathematics Science Teacher Initiative Augmentation Grant, California State University Chancellor's Office. (Funded, $7,650).

Ellis, M., Martinez-Cruz, A., Tran, N., Matsuda, M., & Yamaguchi, J. (2012). Transforming Academic and Cultural Identidad through Biliteracy. National Science Foundation Mathematics and Science Partnership (DUE 1238260). (Not Funded, $1,491,141; will resubmit December 2012).

Costa, V., Ellis, M., & Bonsangue, M. (2011). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $160,000).

Ellis, M., Bonsangue, M., & Yopp-Edwards, R. (2011). Mathematics ambassadors program. Mathematics Science Teacher Initiative Augmentation Grant, California State University Chancellor's Office. (Funded, $25,000).

Keller, J., Ellis, M., Barnhart, T., Estrada, K., & Diffenbaugh, P. (2011). Teams Enacting Classroom Innovations. Google. (Funded, $25,000).

Ellis, M., & Barnhart, T. (2011-2013). Center for Maximizing Teacher Impact Planning Grant. California State University, Fullerton. (Funded, $15,000).

Bonsangue, M., Ellis, M., & Yopp, R. (2010-2016). Fullerton Mathematics Teacher and Master Teacher Fellows Project. National Science Foundation (DUE 1035315). (Funded, $2,521,440).

Costa, V., Ellis, M., & Bonsangue, M. (2010). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $160,000).

Bonsangue, M., Ellis, M., Costa, V., & Yopp, R. (2009). Noyce Master Teaching Fellows Planning Grant. National Science Foundation. (Funded, $75,000).

Costa, V., Ellis, M., & Bonsangue, M. (2009). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $150,000).

Ellis, M., Bonsangue, M., & Guillaume, A. (2008). Creating a Mathematics Education Collaborative. California State University at Fullerton Mission and Goals Initiative (Funded, $25,000).

Costa, V., Ellis, M., & Bonsangue, M. (2008). Mathematics and Science Teacher Initiative. California State University Chancellor's Office. (Funded, $125,000).

Ellis, M., & Barnhart, T. (2008). California Professional Teaching Development Center. National Board for Professional Teaching Standards (Funded, $108,000).

Ellis, M. W., & Grant, M. (2007). HELP Science: Helping with English Language Proficiency through Science. Motorola Foundation (Funded, $50,000).

Ellis, M. W. (2007). Building a Professional Learning Community (National Board Certification Outreach and Support). California State University at Fullerton Mission and Goals Initiative (Funded, $19,000).

Ellis, M. W. (2006). Characteristics and Needs of Students in the Foundational-Level Mathematics Credential Program. California State University at Fullerton Junior/Senior Faculty Development Grant (Funded, $3,000).

Ellis, M. W. (2006). Making Algebra Learning Accessible and Meaningful to All Students. California State University at Fullerton Teaching Mini Grant (Funded, $200).

SELECTED PRESENTATIONS (ITEMS WITH AN * REPRESENT REFEREED PROPOSALS)

Ellis, M. (2020, April 16). Making the Most of Misconceptions in Math Class. Education Week webinar available from: https://www.edweek.org/ew/webinars/math-webinars.html

*Ellis, M., & Yeh, C. (2020, April). Learning, Not Labeling: Challenging Beliefs and Practices to Support Math Learning for All Students. National Council of Teachers of Mathematics Annual Meeting. Chicago, IL. [cancelled due to COVID-19]

*Ellis, M., & Waller, P. (2019, November). Strategies to Promote Student-Driven Discourse: Let's Talk. California Mathematics Council-South Annual Meeting. Palm Springs, CA.

*Ellis, M. (2019, November). Rehumanizing Mathematics through Culturally Responsive Mathematics Teaching. National Council of Teachers of Mathematics Regional Conference. Nashville, TN and Salt Lake City, UT.

*Yeh, C. & Ellis, M. (2019, September). Math and the World: Integrating Classical, Critical, and Community Knowledge in Authentic Investigations. National Council of Teachers of Mathematics Regional Conference. Boston, MA.

Ellis, M., & Waller, P. (2019, May 1). Assessing Individual and Institutional Readiness to Prepare and Submit a Competitive Noyce Proposal. Webinar for Quality Education for Minorities Network.

*Yopp-Edwards, R., Ellis, M., Saldivar, G., Knight, L., & Navarro, N. (2019, April). Growing as Culturally Responsive Math Teachers: Working with Peers to Change Our Classrooms. National Council of Teachers of Mathematics Annual Meeting, San Diego, CA.

*Ellis, M., Hurtado, C., & Yeh, C. (2019, April). Opening Pathways to Mathematics Success: Tasks and Routines that Promote Deep Learning for All. National Council of Teachers of Mathematics Annual Meeting, San Diego, CA.

*Spykerman, J., Ellis, M., Chaudry, A., & Johnson, S. (2019, February). Culturally Responsive Mathematics Teaching: Our ATMALA Journey. Noyce Western Regional Conference. Tucson, AZ.

*Martinez-Cruz, A., Ellis, M., Muramoto, S., & Gadea, R. (2019, February). Microcredentials for and by Teachers: From Learners to Leaders. Noyce Western Regional Conference. Tucson, AZ.

Ellis, M., Chen, A., Reed, A., & Ormseth, T. (2018, November 13). What Is Culturally Responsive Mathematics Teaching? Education Week webinar available from https://www.edweek.org/ew/webinars/math-webinars.html

*Ellis, M., & Waller, P. (2018, November). How Well Does My Lesson Engage Students in Deep Learning? California Mathematics Council-South Annual Meeting. Palm Springs, CA.

*Yeh, C., Ellis, M., & Hurtado, C. (2018, April). Juicy Tasks to Nourish Students' Rational Number Reasoning. National Council of Teachers of Mathematics Annual Meeting, Washington, DC.

*Ellis, M., Yeh, C., & Hurtado, C. (2018, April). "My Students Don't Know How to Talk about Math": Discourse Structures that Promote Student Engagement. National Council of Teachers of Mathematics Annual Meeting, Washington, DC.

Ellis, M. (2018, April 18). What Happens When Teachers Talk Less and Students Talk More in the Mathematics Classroom? Education Week webinar available from https://www.edweek.org/ew/webinars/math-webinars.html

*Martin, W. G., Ellis, M., Smith, W., Strutchens, M. (2018, February). Transforming Secondary Mathematics Teacher Preparation: A Networked Approach to Enacting the AMTE Standards. Association of Mathematics Teacher Educators Annual Conference, Houston, TX.

*Yeh, C., Hurtado, C., & Ellis, M. (2017, November). Juicy Tasks to Nourish Students' Mathematical Reasoning. California Mathematics Council-South Annual Meeting. Palm Springs, CA.

*Ellis, M., Yeh, C., & Hurtado, C. (2017, November). Juicy Tasks to Nourish Students' Rational Number Reasoning. California Mathematics Council-South Annual Meeting. Palm Springs, CA.

Ellis, M. (2017, November). What is Culturally Responsive Mathematics Teaching and Why Does it Matter? California Polytechnic University at San Luis Obispo, Department of Mathematics Colloquium Series.

Yeh, C., Ellis, M., & Hurtado, C. (2017, September). Reimagining the mathematics classroom. Author Talk webinar. National Council of Teachers of Mathematics. Available from http://nctm.adobeconnect.com/reimagining/event/event_info.html

Ellis, M. (2017, September). Cultivating rather than Weeding: What to Look for in 21st Century Mathematics Classrooms that Support Student Success K-16. Mathematics Department Colloquia, University of Arizona. Tucson, AZ.

*Ellis, M., & Meza, S. (2017, July). What is Culturally Responsive Mathematics Teaching and Why Does it Matter? NSF Noyce Conference. Washington, DC.

Ellis, M. (2017, July). Moving Mathematics Education into the 21st Century. Keynote for Summer Mathematics Institute. Corona-Norco Unified School District. Norco, CA.

*Yeh, C., Ellis, M., & Hurtado, C. (2017, April). Juicy Tasks to Nourish Students' Mathematical Reasoning. National Council of Teachers of Mathematics Regional Meeting. San Antonio, TX.

*Ellis, M., Tran, N., Martinez-Cruz, A., Behseta, S., & Abdoli, M. (2017, February). The Effects of a Dual Language Program on Student Interest in STEM. National Association of Bilingual Education Annual Conference. Dallas, TX.

*Ellis, M., Yeh, C., Morton, C., & Yow, J. (2017, February). Strategies for Preparing Teachers of Mathematics Who Understand and Address Issues of Equity and Access. Association of Mathematics Teacher Educators Annual Conference. Orlando, FL.

*Ellis, M. & Junkin, C. (2016, November). Promoting Mathematical Discourse = Deeper Mathematics Learning. California Mathematics Council-South Annual Meeting. Palm Springs, CA.

*Ellis, M. (2016, November). Making Mathematics Familiar: Increasing Interest and Achievement through Cultural Relevance. National Council of Teachers of Mathematics Regional Meeting. Philadelphia, PA.

Ellis, M. (2016, September). STEM Education and Teacher Preparation in the 21st Century. Engage in STEM keynote address. Fullerton, CA.

Ellis, M. (2016, April). Envisioning a New Normal for Middle and High School Mathematics. UCLA Mathematics Project. Torrance, CA.

Ellis, M. (2016, April). Teaching Mathematics from a Growth Mindset. National Council of Teachers of Mathematics Annual Meeting, San Francisco, CA.

Ellis, M. (2015, November). How Smarter and How Balanced are the New Assessments in Mathematics? An Examination of the Pitfalls and Possibilities of the Smarter Balanced Assessment Consortium. STEM Education, Economics, and Equity Seminar Series. University of San Diego, CA.

Ellis, M., Yow, J., Hill-Morton, C., Fennell, S., & Lee, H. (2015, October). The Role of Mathematics Education Faculty as Mentors to Many. Dr. Carol E. Malloy Research Symposium. Chapel Hill, NC.

*Ellis, M. & Rhodes, D. (2015, April). "We must stop sorting students": One teacher's experience with detracking. National Council of Teachers of Mathematics Annual Meeting. Boston, MA.

Ellis, M. (2015, March 4). Mastering the Most Challenging Math Standards With Rigorous Instruction. Education Week webinar available from https://www.edweek.org/ew/webinars/math-webinars.html

Ellis, M., Allen, M., Gardener, M., & Clarke, L. (2015, March). Building the Continuum: Creating a Sustainable Pipeline of Accomplished Teachers. National Board for Professional Teaching Standards Teaching and Learning Conference. Washington, DC.

*Weiman, R., Chazan, D., Ellis, M., Philipp, R., & Rhine, S. (2015, February). Secondary Mathematics Video: Charting Progress on a Shared Journey. Association of Mathematics Teacher Educators (AMTE) Annual Conference. Orlando, FL.

*Meza, S., & Ellis, M. (2014, October). Promoting mathematical discourse: Mystery Bags, Speed Dating, and cultural context. California Mathematics Council-South Annual Meeting. Palm Springs, CA.

Martinez-Cruz, A., Ellis, M., Saldivar, G., Padilla, R., & Padilla, M. (2014, October). Leveraging community, cultural, and linguistic resources to engage students in STEM learning. Closing the Latino Opportunity Gap Summit. Fullerton, CA.

Ellis, M. (2014, October). Envisioning a new normal for secondary mathematics. Orange County Mathematics Council Winter Keynote. Orange, CA.

Yopp, R., Ellis, M., & Min, S. (2014, September). Learning to Mentor Preservice Mathematics Teachers, California STEM Symposium, San Diego, CA.

Meza, S., Lejavardi, S., Muramoto, S., & Ellis, M. (2014, September). Teaching mathematics in high-impact schools with the Common Core standards. California STEM Symposium. San Diego, CA.

Yopp, R. H., & Ellis, M. W. (2014, June). Master teachers learning to mentor preservice mathematics teachers. Mathematics Teacher Education Partnership Conference, Milwaukee, WI.

*Yopp, R. H., Ellis, M., & Quiroz, R. (2014, April). Learning to mentor preservice mathematics teachers in urban schools. National Council of Teachers of Mathematics Annual Meeting, New Orleans, LA.

*Ellis, M., Meza, S., & Yopp, R. H. (2014, April). Promoting Mathematical Discourse: Mystery Bags, Speed Dating, and Cultural Context. National Council of Teachers of Mathematics Annual Meeting, New Orleans, LA.

*Wieman, R., Philipp, R., Chazan, D., Ellis, M., Sherin, M., Silver, E., & Stockero, S. (2014, February). Using Secondary Mathematics Video: Strategies and Visions. Association of Mathematics Teacher Educators (AMTE) Annual Conference. Irvine, CA.

*Ellis, M., & Yeh, C. (2013, November). Attending to access and equity during the transition to the common core mathematics. California Mathematics Council-South Annual Conference, Palm Springs, CA.

Ellis, M. (2013, August). Examining the Common Core State Standards for Mathematics. CSU Fullerton Single Subject Credential Program Orientation. Fullerton, CA.

*Berry, R. Q., Ellis, M., & Hughes, S. A. (2013, April). Critical race theory, mathematics education, and promising futures: A historical perspective. American Educational Research Association Annual Meeting, San Francisco, CA.

*Ellis, M., Miller, C., & Stapel, C. (2013, April). International perspectives on preparing mathematics teachers. National Council of Teachers of Mathematics Annual Meeting, Denver, CO.

*Yopp, R. H., Ellis, M., Duarte, T., & Meza, S. (2013, April). Learning to teach together: What worked in a co-teaching project. National Council of Teachers of Mathematics Annual Meeting, Denver, CO.

Ellis, M., & Street, C. (2013, March). Utilizing National Board Standards and National Board Certified Teachers in Higher Education. Online webinar for University of Montana College of Education faculty.

Ellis, M. (2013, January). Examining the Common Core State Standards for Mathematics. CSU Fullerton Single Subject Credential Program Orientation. Fullerton, CA.

*Ellis, M., Quiroz, R., & Nguyen, A. (2012, November). Using technology to support meaningful mathematics learning. Western Regional Noyce Conference, Tucson, AZ.

*Ellis, M. W. (2012, October). Examining the (not so) Common Core State Standards for Mathematical Practice. National Council of Teachers of Mathematics Regional Meeting, Dallas, TX.

Knighten, L., Ellis, M., & Gojak, L. (2012, October). Looking at the Common Core State Standards through an NCTM lens: It's still about the Principles and Standards. National Council of Teachers of Mathematics Regional Meeting, Dallas, TX.

Ellis, M. (2012, June). Critical Concepts in Middle School Mathematics. Center for Minorities and People with Disabilities in Information Technology: Diversity as an Innovation Resource Workshop. Washington, DC.

Ellis, M. (2012, May). Examining the (not so) Common Core Standards for Mathematical Practice. CSU Long Beach Math at the Beach Seminar. Long Beach, CA.

*Ellis, M. (2012, April). Eliciting mathematical reasoning with digital tools: Engaging students and teachers. National Council of Teachers of Mathematics Annual Meeting. Philadelphia, PA.

Ellis, M. (2012, February). Examining the (not so) Common Core Standards for Mathematical Practice. Orange County Mathematics Council Common Core Symposium. Costa Mesa, CA.

*Ellis, M., & Kim, J. (2011, April). Unlocking students' potential: Going from mathematical frustration to mathematical inspiration. National Council of Teachers of Mathematics Annual Meeting. Indianapolis, IN.

*Ellis, M., Yopp-Edwards, R., Bonsangue, M., Balmages, C., & Manuel, L. (2011, March). Supporting teacher excellence: Noyce fellows and National Board certification. NSF Noyce Western Regional Conference. Costa Mesa, CA.

*Ellis, M. (2011, January). What does the research say about mathematics teacher preparation and teacher effectiveness? Association of Mathematics Teacher Educators Annual Meeting. Irvine, CA.

*Bohlin, C., Bissell, J., Benken, B., Ellis, M., Hsu, E., Reed, C., Santa Cruz, R., & Sundar, V. (2010, January). Successful approaches to address a statewide mathematics teacher shortage: California State University's system-wide initiative. Association of Mathematics Teacher Educators Annual Meeting. Irvine, CA.

*Barnhart, T., & Ellis, M. (2009, July). Utilizing National Board Standards and NBCTs in higher education. National Board for Professional Teaching Standards Conference. Atlanta, GA.

*Ellis, M., Schirm, L., & Cherry, L. (2009, April). Adventures in graphing—Graph like you've never graphed before! National Council of Teachers of Mathematics Annual Meeting, Washington, DC.

*Ellis, M., & Au, W. (July 2008). *"My students are Level 1s": Examination, curricular control, and the stratification of students through mathematics education and testing.* Advancing Democracy and Equity in Today's Schools, University of Redlands, Redlands, CA.

*Ellis, M., & Barney, H. (April 2008). Developing academic language and engaging English learners (and all students) in mathematics. National Council of Teachers of Mathematics Annual Meeting, Salt Lake City, UT.

*Ellis, M., & Malloy, C. E. (September 2007). Preparing teachers for democratic mathematics education. Mathematics Education in a Global Community, Ninth International Conference, Charlotte, NC.

*Kirtman, L., Jasis, R., Ellis, M., Grant, M., & Junn, E. (April 2007). Growing and nurturing a diverse faculty. Keeping Our Faculties of Color Symposium, Minneapolis, MN.

*Malloy, C., Hill, C., & Ellis, M. (March 2007). Problem solving and the development of conceptual understanding in middle grades. National Council of Teachers of Mathematics Annual Meeting, Atlanta, GA.

*Ellis, M. W., & Cortes, A. (March 2007). Why teach mathematics? Results of a survey and interviews with diverse credential candidates. National Council of Teachers of Mathematics Research Pre-Session, Atlanta, GA.

Barney, H., & Ellis, M. (January 2007). Developing academic language and engaging English learners in mathematics. Mathematics Diagnostic Testing Program Annual Conference, Fullerton, CA.

*Ellis, M. W. (November 2006). Reforming the narrative of school mathematics for pre-service teachers. California Mathematics Council – South Conference, Palm Springs, CA.

*Costa, V., Bonsangue, M., Shultz, H., Goldschmidt, V., and Ellis, M. (July, 2006). Online professional development for middle school mathematics teachers. Paper presented at the National Educational Computing Conference, San Diego, CA.

*Ellis, M. W., & Malloy, C. E. (April 2006). Conceptualizations of and changes in students' conceptual understanding. National Council of Teachers of Mathematics Research Pre-Session, St. Louis, MO.

*Ellis, M. W. (April 2006). Disrupting mathematics instruction: A poststructuralist analysis of teaching practices. American Educational Research Association Annual Meeting, San Francisco, CA.

Ellis, M. W. (October 2005). Authentic assessment in mathematics. One-hour presentation to students in EDSC 524 Assessing Student Learning. California State University at Fullerton.

Ellis, M. W. (June 2004). Effective lesson planning for school guidance. Two-hour seminar for students in School Guidance course. University of North Carolina at Chapel Hill.

*Ellis, M. W., & Malloy, C. E. (April 2004). Do students see what researchers see? Correlations between observations and student surveys in mathematics classrooms. National Council of Teachers of Mathematics Research Presession, Philadelphia, PA.

*Malloy, C. E., & Ellis, M. W. (April 2004). Looking at reform and student achievement in middle grades mathematics classrooms. National Council of Teachers of Mathematics Annual Meeting Research Presession, Philadelphia, PA.

*Malloy, C.E., & Ellis, M. W. (April 2004). Looking at reform in mathematics classrooms. American Educational Research Association Annual Meeting, San Diego, CA.

*Ellis, M. W., Burg, S., Gould, T., Joyner, R., & Sylvester, P. (April 2004). Examining middle school students' conceptual understanding in mathematics. North Carolina Association for Research in Education Annual Meeting, Chapel Hill, NC.

*Ellis, M. W., & Joyner, R. L. (November 2003). Teacher quality in mathematics education. National Board for Professional Teaching Standards Annual Meeting, Washington, D.C.

*Ellis, M. W. (October 2003). Leaving no child behind yet allowing none too far ahead. American Educational Studies Association Annual Meeting, Mexico City.

*Ellis, M. W. (October 2003). Playing with place value and arithmetic: A conceptual exploration for teachers. North Carolina Council of Teachers of Mathematics Annual Meeting, Greensboro, NC.

Ellis, M. W. (July 2003). Ideas for making groups work in mathematics. Durham Public Schools, Durham, NC.

*Malloy, C.E., & Ellis, M. W. (March 2003). Looking at reform in mathematics classrooms. North Carolina Association for Research in Education Annual Meeting, Holly Springs, NC.

*Ellis, M. W., & Patterson, G. C. (March 2002). Interrogating justifications for educational stratification: How racism in American schooling practice is veiled under the shroud of "objectivity." Southeastern Association of Educational Studies Annual Meeting, Atlanta, GA.

*Ellis, M. W., & Berry, R. Q. (October 2001). The paradigm shift in mathematics education: Combining cognition and culture to bring equity and meaning into the equation. American Educational Studies Association Annual Meeting, Miami, FL.

*Ellis, M. W. (October 2001). The secrets of Japanese mathematics education. North Carolina Council of Teachers of Mathematics Annual Meeting, Greensboro, NC.

*Short, E., & Ellis, M. W. (March 2000). Student-led conferences. California League of Middle Schools Annual Meeting, Burlingame, CA.

Ellis, M. W. (January 2000). Case studies: A guide for new teachers. Stanford Teacher Education Program, Stanford, CA.

*Ellis, M. W. (1999). Why we will leap in Y2K: A mathematical look at our calendar system. California Mathematics Council Annual Meeting, Asilomar, CA.

*Ellis, M. W. (1993). Discussing social issues through mathematics. California Mathematics Council Annual Meeting, Asilomar, CA.

AWARDS AND HONORS

2019	National Board Certified Teacher [10-year renewal], Early Adolescence Mathematics
2018	Distinguished Faculty Award, CSU Fullerton College of Education
2017	Friend of Education, Anaheim Union High School District, Anaheim, CA
2015-16	Improvement Science Learning Lab, invited participant, Carnegie Center for the Advancement of Teaching, Stanford, CA

2015	Research to Practice Award, Mathematics Teaching in the Middle School, National Council of Teachers of Mathematics
2011-2012	Google Faculty Fellow, Mountain View, CA
2009	National Board Certified Teacher [10-year renewal], Early Adolescence Mathematics
May 2008	Faculty/Staff Member Award of Excellence, Titan Student Union
May 2008	Teacher-Scholar Award, CSU Fullerton Faculty Development Center
April 2005	Marvin Wyne Outstanding Student Paper Award, North Carolina Association for Research in Education
April 2004	AERA Distinguished Paper Award, State and Regional Educational Research Associations
October 2003	Invited Moderator, Educating Our Educators, Graduate Education: Building Public Partnerships. The Graduate School at the University of North Carolina at Chapel Hill
May 2003	Funded Attendee, Show Me Center Researchers' Workshop, University of Missouri, Columbia
2000-2005	Royster's Fellowship, University of North Carolina at Chapel Hill
2000	Mentor, National Board Resource Center, Stanford University
1999	National Board Certified Teacher, Early Adolescence Mathematics
1993-1994	Teacher-Consultant, California Learning and Assessment System (CLAS)
1991-1992	Paul Douglas Teacher Scholarship, Stanford University
1987-1991	Regents' Scholarship, University of California

SERVICE

2020-2023	Certification Council, National Board for Professional Teaching Standards
2019-2022	Nominations & Elections Committee, National Council of Teachers of Mathematics
2019	Standards Development Handbook Revisions Committee Co-chair, National Board for Professional Teaching Standards
2018-19	Research Committee, CSU Fullerton
2018-19	Personnel Committee, Department of Literacy and Reading Education
2018-19	Search Committee Chair (2 positions), Department of Secondary Education
2018	Reviewer, Discovery Research K12 Program, National Science Foundation

2016-17	Personnel Committee, Department of Literacy and Reading Education
2015-16	Advisory Committee, Quantitative Reasoning Task Force, CSU Academic Senate
2015-16	Personnel Committee, Department of Secondary Education
2015-16	Search Committee, Department of Secondary Education
2015-16	Local Arrangements Chair, Association of Mathematics Teacher Educators 2016 Annual Meeting
2015	Reviewer, CAREER Program, National Science Foundation
2014-16	Next Generation of Educator Initiative Working Group, California State University Chancellor's Office
2014-15	Personnel Committee, Department of Secondary Education
2014 - present	Reviewer, Journal for Research in Mathematics Education (JRME)
2014	Reviewer, Discovery Research K12 Program, National Science Foundation
2013-14	Educational Materials Committee, National Council of Teachers of Mathematics
2013-14	Personnel Committee, Department of Educational Leadership
2013-14	Search Committee Chair (2 positions), Department of Secondary Education
2013-14	Local Arrangements Chair, Association of Mathematics Teacher Educators 2014 Annual Meeting
2013	Investigative Committee, California State University, Fullerton
2012-15	Just, Equitable, Inclusive Education Task Force, College of Education
2012-13	Search Committee Chair, Department of Secondary Education
2012-13	Personnel Committee, Department of Secondary Education
2012 Fall	Ad-Hoc Committee on Merger of Reading with Elementary & Bilingual Education, California State University Fullerton
2011-14	American Statistical Association/National Council of Teachers of Mathematics Joint Committee on Statistics Education
2011-2012	Chair, Just, Equitable, Inclusive Education Task Force, CSU Fullerton College of Education (led task force of 7 members to examine issues of social justice within COE practices and programs; organized COE faculty retreat focused on JEIE, Fall 2012)
2011	Department of Mathematics Periodic Program Review Committee

2010-2012	Executive Committee, Center for Research on Educational Access and Leadership (C-REAL) at CSU Fullerton
2010-2013	Advisory Board, PROCESS Project: Preparation and Retention of Collaborative, Effective, and Successful Specialists
2010-2011	Strategic Planning Task Force, College of Education
2010-2011	Local Arrangements Chair, Association of Mathematics Teacher Educators 2011 Annual Meeting
2010-2011	Planning Committee, Los Amigos Latino Education Conversations (one-day seminar for Spanish-speaking parents and school district administrators)
2010	Planning Committee, OC Closing the Latino Achievement Gap Summit
2009-present	National Advisory Board Member and Reviewer, The High School Journal
2009-2012	Associate Editor, Journal of Mathematics Education
2009-2011	Reviewer, Journal for Research in Mathematics Education (special issue on equity, Dr. Rochelle Gutiérrez, Ed.)
2009-2010	Local Arrangements Chair, Association of Mathematics Teacher Educators 2010 Annual Meeting
2008-2010	Program Committee, National Council of Teachers of Mathematics 2010 Annual Meeting
2008-2009	Member, Food Advisory Committee, California State University, Fullerton
2008-2009	Reviewer, Equity & Excellence in Education
2008	Program Committee, California Association of Mathematics Teacher Educators
2007-2009	Reviewer, Teachers College Record
2007-2008	Faculty Partner, Developing Communities of Mathematical Inquiry (DCMI).
2006-2008	Faculty Representative, Titan Student Union Governing Board
2006-2008	Faculty Partner, Orange High School Cluster, Teachers Assisting Students to Excel in Mathematics (TASEL-M).
2006-present	Reviewer, Mathematics Teaching in the Middle School
2006-2011	Conference Committee Member and Student Hosts Chair, California Mathematics Council-South
2005-2011	Board Member and Conference Committee Member, Orange County

	Mathematics Council
2005-present	Researchers and Critical Educators (RACE) member and officer (treasurer 2006-07; president 2007-09)
2004-2006	National Review Committee, Educational Testing Service Praxis Mathematics Regeneration (Middle School Mathematics Content and Pedagogy exams)
2004-2005	Reviewer, Teachers Engaged in Research: Inquiry into Mathematics Practice, National Council of Teachers of Mathematics
2004	Reviewer, Teacher Professional Continuum Program, National Science Foundation
2004	Reviewer, The High School Journal, Special Issue: Equity Research in Secondary Mathematics
2004	Search Committee, Teacher Education tenure-track position, University of North Carolina at Chapel Hill
2004	Reviewer, Mathematics Science Partnership Program, National Science Foundation
2002	Search Committee, Mathematics Education tenure-track position, University of North Carolina at Chapel Hill

PROFESSIONAL ORGANIZATIONS

Association of Mathematics Teacher Educators (AMTE)

California Mathematics Council (CMC)

California Mathematics Teacher Educators (CAMTE)

National Board for Professional Teaching Standards (NBPTS)

National Council of Teachers of Mathematics (NCTM)

Orange County Mathematics Council (OCMC)

CSU Fullerton Researchers and Critical Educators (RACE)

TODOS: Mathematics for All (TODOS)