

FUNDA GONULATES

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EDUCATION

- Ph.D. Program Mathematics Education** 2016
Michigan State University, College of Natural Sciences
Cognate: Curriculum and Teacher Education
Ph.D. Thesis: Mathematics Teachers' Collaboration Mediated by a Problem-Based Curriculum
(Advisor: Prof. Dr. Jack Smith)
- M.S. Secondary School Science and Mathematics Education** 2004
(Emphasis: Mathematics Education)
Bogazici University (Istanbul, Turkey), Institute of Science
Master's Thesis: Prospective Teachers' Views on Using History of Mathematics in Mathematics Teaching
(Advisor: Prof. Dr. Dilek Ardac)
- B.S. Secondary School Mathematics Teaching** 2001
Bogazici University (Istanbul, Turkey), Faculty of Education

RESEARCH EXPERIENCE

- Assistant Professor, Northern Kentucky University (August 2016- Present)
Teacher mentorship around best mathematics teaching practices
Content and pedagogy development for early childhood teachers
Coherence based model of instruction in intervention settings
- Faculty Associate, Kentucky Center for Mathematics (August 2016 – Present)
Kentucky Department of Education Mathematics Teaching Practices Project
Kentucky Mathematics Teacher Leaders Academy
Creating a Culture of Mathematical Sense Making Professional Development Series
- Graduate Research Assistant, Michigan State University (August 2008 – May 2016)
- ETS-MSU Partnership Project: Transforming Educator Licensure Project Mathematics Content Knowledge Assessment*, (July 2014 – May 2015)
ETS Research Scientist: Heather Howell
Project Mentor: Leslie Nabors Olah
Literature review on student learning in selected K-6 mathematics content areas.
Item reviews and item development in selected K-6 mathematics content areas.
Conducted a small-scale research study exploring prospective elementary teachers' knowledge of early algebra.
- STEM, Strengthening Tomorrow's Education in Measurement* (August 2008 – May 2014) Principal Investigator: Dr. John P. Smith, III
NSF-funded project examining the capacity of K – 8 curricula to provide opportunities for the robust learning of spatial measurement.

Engaged prospective and in-service teachers in professional development around spatial measurement content.

Development and piloting of measurement applets around spatial measurement content.

CMP, Connected Mathematics Project (January 2009 – May 2016)

Principal Investigators: Dr. Glenda Lappan and Elizabeth Phillips

Worked on CMP3 teacher guide revisions.

Helped developing Arc of Learning and formative assessment as daily practice frameworks.

International Teaching Assistants Orientation Facilitator (August 2013 and August 2014)

Facilitated sessions introducing new-coming international teaching assistants to MSU culture and teaching expectations at MSU.

ICME-12 Survey Team: The relationship between research & curriculum design (January 2010- July 2012)

Chair: Dr. Glenda Lappan

Collected and analyzed survey data from U.S. representative states and over six countries.

Prepared a presentation and research report describing the relationship between research and curriculum design.

Cyberchase Project (September 2008 – December 2008)

Principal Investigators: Dr. Sandra Crespo & Dr. Vince Melfi

Participated in data collection at one school site, which included doing two activities with students and coding their responses.

Curriculum Consultant, Michigan State University (August 2012 – July 2013)

University of Chicago's School Mathematics *Everyday Mathematics* Project.

Work focus was on spatial measurement.

Graduate Research Assistant, Bogazici University (Istanbul-Turkey) (September 2001 – June 2004)

Conducted surveys of related literature and data analysis in several professors' research studies.

Assistant Editor for the Bogazici University, Faculty of Education Journal.

TEACHING

Assistant Professor, Northern Kentucky University (Fall 2016 – Present)

EDU 306: Teaching Elementary School Mathematics (FA16, SP17, FA17, SP18, FA18, SP19, FA19, SP20, FA20, SP21)

EDU 567: PreK3 Math and Science Explorations (SP17)

EDG 658: Assessment Techniques for P-12 Mathematics (SP18)

EDU 492: Clinical Experience Elementary and Special Education (SP18)

EDU 594: Topics in Geometry and Measurement (SP20)

MTE 650: Advanced Methods for Teaching Number and Operations in Mathematics in Grades P-2 (Summer20)

MTE 655: Enhancing Leadership Skills in Teaching Mathematics (FA20)

MTE 652: Intervention in Elementary Mathematics (SP21)

Teaching Assistant, Michigan State University (Fall 2009 – Spring 2012)

Course Instructor: MTH 201: *Teaching Mathematics Content course for prospective elementary school teachers* (SP12).

Course Instructor: SME 430: *Teaching History of Mathematics course* (FA09, SP10, FA11).

Mathematics Teacher, MEF Schools (Istanbul –Turkey) (Fall 2006 – Spring 2008)

Teaching mathematics to 5th – 8th grade students.

5th and 6th grade mathematics coordinator.

Junior Achievement Club coordinator.

Mathematics Theater Club coordinator.

Instructor, Bogazici University (Istanbul-Turkey) (Fall 2005 – Spring 2008)

Teaching Secondary School Mathematics Teaching School Observation Courses I&II

Mathematics Teacher, Private Alev Schools (Istanbul-Turkey) (Fall 2004 – Spring 2006)

Teaching mathematics to 5th – 6th grade students.

Living Mathematics Club coordinator.

5th and 6th grade mathematics coordinator.

Teaching Assistant, Bogazici University (Istanbul-Turkey) (Fall 2001 – Spring 2004)

Served as an advisor for undergraduate students in the Teaching Mathematics program.

Assisted methods courses for prospective elementary and secondary teachers.

GRANTS AND FELLOWSHIPS

Mathematics Teaching Practices Modules, Grades 3-5 and Grades 6-8

Primary Investigator: Kelly DeLong

Co-Primary Investigators: Diana Crescitelli and Funda Gonulates

Source: Kentucky Department of Education

Amount: \$204,881

Status: Awarded

Turning Everyday Activities into Meaningful Mathematical Explorations (Fall 2019)

Primary Investigator: Jaesook Gilbert

Co-Primary Investigator: Funda Gonulates

Source: Caplan Foundation

Amount: \$75,000

Status: Not Accepted

Building Blocks of Number Sense and Operations (2019-2020)

Primary Investigator: Funda Gonulates

Source: Kentucky Department of Education

Amount: \$19,656

Status: Awarded

The KCM Elementary School Growth Package (Summer 2018)

Primary Investigator: Daniel McGee

Co-Primary Investigators: Ted Hodgson, Funda Gonulates, and Lynn Patterson

Source: Department of Education, Supporting Effective Educator Development (SEED) program

Amount: \$2,229,450.00

Status: Not Accepted

Next Generation STEM Classroom Plus

Primary Investigator: Madhura Kulkarni

Co-Primary Investigators: Patricia S. Bills, Ella Bowling, Funda Gonulates, Daniel McGee

Amount: \$448,177.00

Status: Not Accepted

Seeds for Elementary School Growth: Creating Demographic-Specific Packages for School Wide Mathematics Success in America's Heartland (Summer 2017)

Primary Investigator: Daniel McGee

Co-Primary Investigators: Ted Hodgson, Funda Gonulates, and Lynn Patterson

Source: Department of Education, Supporting Effective Educator Development (SEED) program

Amount: \$1,055,469.00

Status: Not Accepted

Using 3D Manipulatives to Transform High School Mathematics (Fall 2016)

Primary Investigator: Daniel McGee

Co-Primary Investigators: Ted Hodgson and Funda Gonulates

Source: National Science Foundation

Amount: \$448,838.00

Status: Not Accepted

Analyzing the National Observational Teaching Exam (NOTE) Early Algebra Item Pool for its Comprehensiveness and Capacity (Spring 2015)

Role: Principal Investigator

Co-PI: Dr. Leslie Nabors Olah

Source: Educational Testing Service

Amount: \$1,897.00

Status: Awarded

HONORS AND AWARDS

STAR (Service, Teaching, and Research in mathematics Education) Program (2017-2018 Cohort)

Dissertation Completion Fellowship (Summer 2014)

College of Natural Science, Michigan State University

Awarded: \$6,000.00

Research Continuation Fellowship (Summer 2012)

College of Natural Science, Michigan State University

Awarded: \$6,000.00

Fellowship (Fall 2008 – Spring 2013)

Center for the Study of Mathematics Curriculum

Awarded: \$25,000.00

OTHER RELEVANT PROJECTS

Math Club with Elementary Students (Fall 2018, Spring 2019, Fall 2019)

Principal Investigator: Funda Gonulates

As part of 21st century community learners program initiated and led a math club activity for students grades K to 5. Prospective elementary and middle school students participated as activity leaders.

Math Fair at an Elementary School (April 2017)

Principal Investigators: Funda Gonulates & Kristen Rice

Organized a Math Fair for grade 4 students at a local elementary school where prospective elementary teachers led different stations focusing different content covered at grade 4 mathematics classes.

Math Club with Pre-Service Teachers (September 2016 – November 2016)

Principal Investigator: Funda Gonulates

Led in depth-mathematical exploration activities with prospective elementary teachers. The club activities aimed to contribute prospective elementary teachers' mathematics identity as well as contribute their mathematical content knowledge for teaching.

The Culture of Mathematics (September 2006 – July 2007)

Principal Investigators: Funda Gonulates & Meltem Ceylan

Worked with peers in this action research project aiming to integrate cultural elements into the math curriculum, e.g. students examined rug designs and the relationship to mathematical concepts.

Using Projects for Science and Math Learning (November and July 2006)

Principal Investigator: Dr. Fusun Akarsu

Worked as a coordinator assistant in a professors' three-week workshop for academicians from science and mathematics education departments in leading Turkish universities. Mentored mathematics projects.

Mathematics Theatre, (Spring 2005, 2006, 2007)

Principal Investigator: Funda Gonulates

Students researched the lives of mathematicians, wrote scenarios, and then acted short plays.

Development of Educational Research Skills (May 2003 –June 2003)

Principal Investigator: Dr. Fusun Akarsu

Provided assistance to a group of professors coming from a less developed part of Turkey in conducting educational research.

Development of Teaching Skills (January 2002 – June2002)

Principal Investigator: Dr. Fusun Akarsu

Assisted designing professional development sessions for elementary teachers.

Experimental Schools Project (February 1999 –June 2000)

Principal Investigator: Dr. Dilek Ardac

Assisted planning and facilitating enrichment activities in mathematics and science with K5 students.

Extension of AÇEV-ÇEP (September 2000 – June 2001)

Principal Investigator: Dr. Bruce Johnson Beykont

Reviewed and developed activities supporting kindergarten students' mathematical thinking skills.
 Funded by Turkey's Mother and Child Foundation (AÇEV) – Child Education Program (ÇEP).

PUBLICATIONS

Referred Journal Articles- Accepted and Published

Gonulates, F., & Gilbert, J. (2021). Early Mathematics within Rich Story and Conversations. *Dimensions of Early Childhood*, 49(2), 6-14.

McGee, D., **Gonulates, F.**, Hodgson, T., & Brewer, M. (2020). The Long-Term Impact of a Coherence Based Model for Mathematics Intervention. *School, Science and Mathematics*, 120(4), 220-231.

McGee, D., Richardson, P., Brewer, M., **Gonulates, F.**, Hodgson, T., & Weinel, R. (2017). A district-wide study of automaticity when included in concept-based elementary school mathematics instruction. *School, Science and Mathematics*, 117(6), 259-268.

Smith, J., Males, L., & **Gonulates, F.** (2016). The treatment of area measurement in U. S. elementary curricula: Are students' opportunities to learn sufficient? *Mathematical Thinking and Learning*, 18(4), 239-270.

Gonulates, F. & Smith, J. (2015). Building a deep understanding of area measurement. *Mathematics in Michigan*, 48(1), 10-16.

Dietiker, L., **Gonulates, F.** and Smith, J. (2011). Enhancing Opportunities for Student Understanding of Length Measure. *Teaching Children Mathematics*, 18(4), 252-259.

Chang, K., Males, L.M., Mosier, A., & **Gonulates, F.** (2011). Exploring what U.S. textbooks say about the visual estimation of length: The perspective of meaning negotiation. *ZDM Mathematics Education (Special Issue on Measurement)*, 43, 697-708.

Referred Articles in Conference Proceedings- Accepted and Published

Edson, A.J., Gilbertson, N. J., **Gonulates, F.**, Grant, Y., Nimitz, J.L., Philipps, E., & Satyam, R.V. (2015). Studying the arc of learning in middle school mathematics curriculum materials. *Proceedings of the 37th Conference of the Group for the Psychology of Mathematics Education North American Chapter*, East Lansing, Michigan.

Ray, A., **Gonulates, F.**, Grant, Y., Phillips, E., & Edson, A.J. (2015). A framework for formative assessment as an ongoing process of daily classroom practices. *Proceedings of the 37th Conference of the Group for the Psychology of Mathematics Education North American Chapter*, East Lansing, Michigan.

Burriel, G., Lappan, G., & **Gonulates, F.** (July, 2012). Curriculum and the Role of Research: Report of the ICME 12 Survey Team.

Gonulates, F., & Males, L.M. (2011). Textual expression of area measurement in elementary curricula: Illuminating opportunities to learn. In Ubuz, B. (Ed.). *Proceedings of*

the 35th Conference of the International Group for the Psychology of Mathematics Education, Vol. 2 (pp. 441-448). Ankara, Turkey: PME.

Reports

Smith, J., & **Gonulates, F.** (2011). The Educator's Companion to Measurement in the CCSSM. Document publicly available on the STEM Website (<https://www.msu.edu/~stemproj/teaching.html>)

CONFERENCES and PRESENTATIONS

Gonulates, F. (July, 2021). *Supporting Students' Productive Struggle During Classroom Discourse and in their Written Arguments.* KYMTL Summer retreat. Louisville, KY.

Crescitelli, D. & **Gonulates, F.** (April, 2021). *Creating School-Wide Culture of Mathematical Sense Making.* NCTM 2021 Annual Virtual Conference.

Gonulates, F. & Williams, M. (April, 2021). *Inviting Rough Draft Thinking to Humanize the Mathematics Classroom.* KAMTE hosting AMTE Webinar Series: Humanizing Mathematics. Virtual presentation.

Gonulates, F., & Kasten, S. (February, 2021). *Using Technology for Teaching K-12 Mathematics* KAMTE Preservice Teachers' Virtual Spring Conference.

Crescitelli, D. & **Gonulates, F.** (February, 2021). *Creating School-Wide Culture of Mathematical Sense Making.* NCTM 2021 Baltimore Regional Virtual Conference.

Gonulates, F. (November, 2020). *Engaging with Students and Student Thinking in Online Environment.* KAMTE Virtual Summit.

Gonulates, F. (March, 2020). *Connecting Fractions, Decimals, and Percents.* Kentucky Center for Mathematics Virtual Learning Sessions.

Gonulates, F. (March, 2020). *Creating Opportunities for Reasoning and Sense Making.* Kentucky Center for Mathematics Annual Conference, Lexington, KY.

Gonulates, F., Noblitt, B., Johnson, C., & Peterson S. (September, 2019). *Making Meaning of the Mean.* Kentucky Council of Teachers of Mathematics Conference, Elizabethtown, KY.

Gonulates, F., & Gilbert, J. (2019, June). *Developmentally Appropriate Practice - Preschool Math: Early Numeracy (Invited Speaker).* Early Childhood Institute, Louisville, Kentucky.

Gonulates, F., McGee, D., & Crescitelli, D. (April, 2019). *Reading too much into Assessments.* National Council of Supervisors of Mathematics, San Diego, CA.

Gonulates, F., Noblitt, B., Johnson, C., & Peterson S. (March, 2019). *Digging Deep Into Statistics.* Kentucky Center for Mathematics Annual Conference, Lexington, KY.

- Crowe, C., Noblitt, B., & **Gonulates, F.** (2018, September). *Starting the Conversation: Standards for Preparing Teachers of Mathematics*. KATE Conference, Lexington, Kentucky.
- Gonulates, F.**, Noblitt, B., Crowe, C., Peterson, S., Harris, T., & Thomas, J. (2018, May). *Unpacking Effective Teaching Practices in Teaching Mathematics*. KY KEEP summit. Louisville, Kentucky.
- Crowe, C., Noblitt, B., & **Gonulates, F.**, Peterson, S., Harris, T., & Thomas, J. (2018, May). *Starting the Conversation: Standards for Preparing Teachers of Mathematics*. KY KEEP summit, Louisville, Kentucky.
- Gonulates, F.** McGee, D., & Brewer, M. (2018, April). *Teachers' Interactions around Meaningful Mathematics Learning Experiences*. Paper presented at the NCTM conference, Washington D.C.
- McGee, D., **Gonulates, F.**, Brewer, M. (2018, April). *A Model to Develop Coherent Mathematics Instruction in Elementary Schools*. Paper presented at the NCTM conference, Washington D.C.
- Crowe, C., & **Gonulates, F.** (2017, November). *The Math Ed Swap*. Presentation at KCTM conference, Union, Kentucky.
- Gonulates, F.** (2017, February). *Factors contributing to teachers' self-initiated collaborations*. Paper presented at AMTE Conference, Orlando, Florida.
- Gonulates, F.** (2017, May). *Feedback from 2016-17 School Visits and Applications to 2017-18 academic year*. Presentation at KCM Regional Consultants Summer Retreat, Highland Heights, KY.
- Gonulates, F.** (2017, May). *Open and Structured classroom video analysis*. Presentation at KCM Regional Consultants Summer Retreat, Highland Heights, KY.
- Ray, A., **Gonulates, F.**, Osibodu, M., Edson, A.J., Grant, Y., & Philipps, E. (2016, March). *Teachers' use of formative assessment to promote mathematical practices in problem-based classrooms*. Paper presented at MI-AMTE Conversations among Colleagues Conference, Kalamazoo, MI.
- Nimtz, J.L., **Gonulates, F.**, Osibodu, M., Gilbertson, N. J., Edson, A.J., Grant, Y., & Philipps, E. (2016, March). *Reasoning abstractly and quantitatively: the role of context in the sequences of problems*. Presentation at MI-AMTE Conversations among Colleagues Conference, Kalamazoo, MI.
- Gonulates, F.**, Nimtz, J.L., Osibodu, M., Edson, A.J., Grant, Y., & Philipps, E. (2016, February). *The arc of learning framework: transparency in middle school mathematics curriculum*. Poster presentation at CREATE for STEM Mini Conference, East Lansing, Michigan.
- Ray, A., **Gonulates, F.**, Osibodu, M., Edson, A.J., Grant, Y., & Philipps, E., (2016, February). *A framework for formative assessment as an ongoing process of daily classroom practices*. Poster presentation at CREATE for STEM Mini Conference, East Lansing, Michigan.

- Edson, A.J., Gilbertson, N. J., **Gonulates, F.**, Osibodu, M., Grant, Y., Nimitz, J.L., & Philipps, E. (2016, February). *The arc of learning*. Presentation at CMP Users' Conference, East Lansing, MI.
- Gonulates, F.**, Nabors Olah, L., Suh, H., Ji, X., & Howell, H. (2016, February). How well prepared are preservice elementary teachers to teach early algebra? Presentation at Conference on Research in Undergraduate Mathematics Education, Pittsburg, PA.
- Edson, A.J., Gilbertson, N. J., **Gonulates, F.**, Grant, Y., Nimitz, J.L., Philipps, E., & Satyam, R.V. (2015, November). *Studying the arc of learning in middle school mathematics curriculum materials*. Presentation at 37th Conference of the Group for the Psychology of Mathematics Education North American Chapter, East Lansing, Michigan.
- Ray, A., **Gonulates, F.**, Grant, Y., Phillips, E., & Edson, A.J. (2015, November). *A framework for formative assessment as an ongoing process of daily classroom practices*. Poster presentation at 37th Conference of the Group for the Psychology of Mathematics Education North American Chapter, East Lansing, Michigan.
- Ray, A., **Gonulates, F.**, Grant, Y., & Phillips, E., (2015, February). *Making daily formative assessment accessible in the CMP classroom*. Poster presentation at CREATE for STEM Mini Conference, East Lansing, Michigan.
- Gilbertson, N. J. **Gonulates, F.** Nimitz, J.L., Satyam, R.V., Edson, A.J., Grant, Y., & Philipps, E. (2015, February). *The arc of learning in the middle school mathematics curriculum materials*. Poster presentation at CREATE for STEM Mini Conference, East Lansing, Michigan.
- Gonulates, F.** & Nimitz, J. (2014, April). *A tour of the history of the calculus for prospective teachers*. Presented at History and Pedagogy of Mathematics Regional Conference.
- Gonulates, F.**, Feldpaush, H., & DeRosia, H. (2014, February). *Enhancing Lessons through Professional Interactions*. Presented at CMP Users' Conference, East Lansing, MI.
- Nimitz, J., **Gonulates, F.**, Edwards, R. A. (2014, February). *Developing a quantitative world view through CMP*. Presented at CMP Users' Conference.
- Gonulates, F.** (2013, August). *Exploring Constant of Proportionality*. Presented at Michigan Council of Teachers of Mathematics, Traverse City, MI.
- Stehr, E.M., **Gonulates, F.**, & Nimitz, J. (2013, August). *Filling the space in length measurement*. Presented at Michigan Council of Teachers of Mathematics, Traverse City, MI.
- Stehr, E.M., **Gonulates, F.**, & Siebers, K. (2013, August). *Supporting Spatial Measurement Teaching with Technology*. Presented at Michigan Council of Teachers of Mathematics, Traverse City, MI.
- He, J., **Gonulates, F.** (2013, February). *Fractions and Measurement*. Presented at Math in Action Conference, GVSU, Allendale, MI.
- Gonulates, F.** & He, J. (2012, August). *Measurement and Fractions in the Common Core*. Presented at Michigan Council of Teachers of Mathematics, Traverse City, MI.
- Burriel, G., Lappan, G., & **Gonulates F.** (2012, July). *Curriculum and the Role of Research. Survey Team Report*, Seoul, South Korea.

- Smeasted, B. & **Gonulates, F.** (2012, July). *Uses of History of Mathematics in School (Pupils 6-13)*. Discussion Study Group Co-Chair, Seoul, South Korea.
- Gonulates, F.** (2012, April). *Area of Non-Rectangular Shapes*. Presentation at the annual meeting of the National Council of teachers of Mathematics, Philadelphia.
- Gonulates, F.** (2012, April) *Curricular Treatment of Key Concepts in Length, Area and Volume*. Gallery presentation at the annual meeting of the National Council of Teachers of Mathematics, Philadelphia.
- Smith, J., & **Gonulates, F.** (2012, April) *Measurement in the Common Core State Standards in Mathematics*. Research presentation at the annual meeting of the National Council of Teachers of Mathematics, Philadelphia.
- Gonulates, F.**, & Taglauer, A. (2012, February). *Non-standard Units in Area Measurement*. Presented at Math in Action Conference, GVSU, Allendale, MI.
- Gilbertson, N. & **Gonulates, F.** (2012, February). Motion and Measurement. Presented at Math in Action Conference, GVSU, Allendale, MI.
- Gonulates, F.**, & Taglauer, A. (2011, August). *Expanding the use of tools in spatial measurement beyond ruler*. Presented at Michigan Council of Teachers of Mathematics, Macomb Township, MI.
- Gonulates, F.**, & Males, L.M. (2011, July). *Textual expression of area measurement in elementary curricula: Illuminating opportunities to learn*. Presentation at the 35th annual meeting of the International Group for the Psychology of Mathematics Education. Ankara, Turkey.
- Males, L M., & **Gonulates, F.** (2011, April). *Textual expression of knowledge in curricula: Illuminating opportunities to learn area measurement*. Poster presentation at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Gonulates, F.**, Males, L M., & Clark, D.L (2011, April). *Exploring spatial measurement by attending to core conceptual principles*. Research presentation at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Males, L M., Sweeny, S., Gilbertson, N., & **Gonulates, F.** (2011, April). *Activities to support conceptual understanding of spatial measurement*. Gallery presentation at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Males, L M., **Gonulates, F.** Sweeney, S. & Gilbertson, N. (2011, February). *Exploring spatial measurement through a conceptual lens*. Math in Action Conference, Grand Valley, MI.
- Gonulates, F.**, Males, L. & Gilbertson, N. (2010, August). *Conceptual development in area measurement*. Presented at Michigan Council of Teachers of Mathematics, Macomb Township, MI.
- Gonulates, F.** & Mosier, A. (2010, April). Storylines in area measurement. Poster presentation in a structured poster session at Annual Meeting of the American Educational Research Association, Colorado, Denver.
- Males, L., Smith, J., & **Gonulates, F.** (2009, August). *Getting down to the basics with length measurement*. Presented at Michigan Council of Teachers of Mathematics, Macomb Township, MI.

- Chang, K., Males, L.M., Mosier, A., & **Gonulates, F.** (2009, April). *What Does the Textbook Say about Measurement Estimation? The perspective of Meaning Negotiation.* Roundtable paper discussion at Annual Meeting of the American Educational Research Association, San Diego, CA.
- Chang, K., Males, L.M., Mosier, A., & **Gonulates, F.** (2009, March). *What Does the Textbook Say about Measurement Estimation? The perspective of Meaning Negotiation.* Poster presentation at Graduate Academic Conference, East Lansing, MI.
- Dietiker, L., **Gonulates, F.**, Males, L. & Smith, J. (2009, February). *Length Measurement in Curricula*, Poster presentation at Center for the Study of Mathematics Curricula, Phoenix, AZ.
- Gonulates, F.** (2008, July). *Prospective Teachers' views on use of History of Mathematics.* Presented at the HPM Satellite Meeting of ICME 11, Mexico City, Mexico.
- La Ferla, V., **Gonulates, F.** & Alibeyoglu, M. (2008, July). *Multicultural look at mathematics.* Presented at 11th International Congress of Mathematical Education, Monterrey, Mexico.
- Gonulates, F.** (2007, July). *Mathematicians are on Stage.* Presented at 5th European Summer University on History and Pedagogy of Mathematics, 19-24 July 2007, Prague, Czech Republic.
- Gonulates, F.** & Kara, M. (2007, May). *The Lord of the Numbers: Pythagoras.* Presented at Egitimde İyi Ornekler Konferansi, Istanbul, Turkey.
- Gonulates, F.** & Ardac, D. (2006, June). *Attitudes of Prospective Mathematics Teachers on Using History of Mathematics in Math Education.* Presented at 3rd International Congress on the Teaching of Mathematics, Istanbul, Turkey.
- Gonulates, F.** (2006, April). *Mathematics Theater.* Presented at Egitimde İyi Ornekler Konferansi, Adapazari, Turkey.
- Gonulates, F.** (2006, April). *Mathematics Theater.* Presented at Egitimde İyi Ornekler Konferansi, Istanbul, Turkey.
- Gonulates, F.** & Alpan, M. (2005, October). *Mathematics, Nature and Art.* Presented at 9th Fall Teachers' Symposium, Istanbul, Turkey.
- Gonulates, E. & **Oprukcu, F.** (2002, September). *Trigonometry with Differentiated Instruction.* Presented at 5th National Science and Mathematics Education Conference, Ankara, Turkey.

PROFESSIONAL AND SERVICE ACTIVITIES

Committee Work

Outreach and Community Engagement Committee (2020- present)

Elementary Program Team (2016- present)—Member

CINSAM stakeholders' Committee (2018-present)

KCM Events Coordinator and Communications Director Job Search Committee (Fall 2021)

CINSAM Outreach Director Job Search Committee (Summer 2021)

KCM Program Director Job Search Committee (Summer 2021)

Elementary Program Team (2018-2020) – Program Facilitator

Teacher Education Committee (2018- 2020)

Early Childhood Education Program Team (2017- 2018)

Peer Review Committee

Dr. Brandelyn Tosolt Peer Review Committee (Fall 2019)

Dr. Ryan Alverson Peer Review Committee (Fall 2018)

University Library Advisory Committee (2016- 2018)

College Voice Committee (2016- 2017)

KCM Executive Director Job Search Committee (Spring 2019)

KCM Director Job Search Committee (Fall 2018)

KCM Regional Consultant Job Search Committee (Spring 2018)

Program in Mathematics Education Comprehensive Examinations Committee (2014-2015)

Program in Mathematics Education Job Search Committee (2013-2014)

Two academic positions (One assistant professor and one associate professor)

Research Practicum Committee Member

Eun Mi Kim (Program in Mathematics Education, Michigan State University)
(2012-2013)

Research Topic: Preservice elementary teachers' mathematical knowledge of volume measurement

Richard Abe Edwards (Program in Mathematics Education, Michigan State University) (2013-2014)

Research Topic: Challenging prospective elementary teachers' beliefs about mathematics

Member

Kentucky Association of Mathematics Teacher Educators, President Elect (2021- Present)

Kentucky Association of Mathematics Teacher Educators, Secretary (2016-2021)

National Council of Mathematics Teacher Educators (2020-Present)

National Council of Supervisors of Mathematics Educators (2019-2020)

Association of Mathematics Teacher Educators (2016-2018)

History and Pedagogy of Mathematics (2008-2016)

Reviewer for Journals

Mathematics Teacher Educator (2018-present)
School, Science and Mathematics (2016-present)
Mathematics in Michigan (2015 – 2016)
Teaching Children Mathematics (NCTM) (2010 – 2014)

Reviewer for Conferences

NCTM Conference (2017)
KCM Conference (2016-present)
North American GeoGebra Conference (2009-2010)
North American Chapter of the Association of the Psychology of Mathematics Education
(PME-NA) (2010 – 2012)
Association of Mathematics Teacher Educators (2011 –2012)