

Lorraine M. Males

Assistant Professor, Mathematics Education
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Last updated: January 2014

EDUCATION

- Doctor of Philosophy, Mathematics Education** 2007 – 2011
Michigan State University, East Lansing, MI
Cognate: Curriculum & Teacher Education
- Master of Education, Curriculum & Instruction** 2001 – 2003
Indiana Wesleyan University, Marion, IN
- Bachelor of Science, Mathematics-Computer Science** 1995 – 1999
Ithaca College, Ithaca, NY
Secondary Teaching Option (7-12)

DISSERTATION

- Educative supports for teachers in middle school mathematics curriculum materials:
What is offered and how is it expressed?**
Committee: John P. Smith, III, Glenda Lappan, Beth Herbel-Eisenmann, Kristen Bieda

PROFESSIONAL POSITIONS

- Assistant Professor
University Research Development Fellow
Department of Learning, Teaching, & Teacher Education Aug 2012 – present
University of Nebraska-Lincoln, Lincoln, NE
- Curriculum Consultant Jan 2012 –present
University of Chicago's School Mathematics *Everyday Mathematics*
Project
- Postdoctoral Fellow & Instructor, Jan – Aug 2012
Departments of Counseling, Educational Psychology, & Special Education
and Teacher Education

Michigan State University, East Lansing, MI

Graduate Research & Teaching Assistant, Division of Science & Mathematics Education 2007-2011
Michigan State University, East Lansing, MI

RESEARCH AND DEVELOPMENT EXPERIENCE

Leadership Seminar on Mathematics Professional Development Spring 2014

Facilitator

Teacher Development Group

Organizer: Linda Foreman

Funding: National Science Foundation

Algebra Readiness Institute, Grades 6 - 8 Summer 2013

Facilitator

National Council of Teachers of Mathematics

Funding: National Council of Teachers of Mathematics

Strengthening Tomorrow's Education in Measurement I & II 2007 – 2012

Researcher

Michigan State University

PI: John P. Smith, III

Funding: National Science Foundation

Survey Team: The Relationship between Research & Curriculum Design 2011

Assistant

International Congress on Mathematics Education

Chair: Glenda Lappan

Reasoning-and-Proving in High-School Geometry Textbooks 2010 – present

Researcher

Michigan State University

Funding: College of Natural Sciences

Professional Development in Measurement 2010 – 2012

Facilitator

Michigan State University & Michigan Department of Education

PIs: John P. Smith, III

Mathematics Discourse in Secondary Classrooms 2009 – 2010

Researcher

Michigan State University & University of Delaware

PIs: Beth Herbel-Eisenmann, Michael Steele, Michelle Cirillo

Funding: National Science Foundation

Building Capacity in Algebra 2009 – 2010

Facilitator

Michigan State University & Jackson Public Schools, MI
Supervisors: Cindy Carver, Beth Herbel-Eisenmann, Michael Steele
Funding: Michigan Department of Education

Discourse Analysis: A Catalyst for Reflective Inquiry in Math Classrooms 2008 – 2010

Researcher

Michigan State University
PI: Beth Herbel-Eisenmann

Cyberchase

Fall 2008

Researcher

Michigan State University
PIs: Sandra Crespo, Vince Melfi
Funding: National Science Foundation

Discussion Group: The evaluation of mathematics teachers and curricula within educational systems 2007 – 2008

Assistant

International Congress on Mathematics Education
Chairs: Glenda Lappan, Barbara Clarke

TEACHER EDUCATION EXPERIENCE

Prospective Teachers

Assistant Professor

Aug 2012 - present

University of Nebraska-Lincoln

Department of Teaching, Learning, and Teacher Education

TEAC 451P/851P: Learning and Teaching Principles and Practices: Secondary Mathematics

TEAC 452P/852P: Curriculum Principles: Secondary Mathematics

TEAC 397P/894P: Professional Practicum: Secondary Mathematics

TEAC 497P/894P: Student Teaching Supervision

Instruction

Instructor

Jan 2009 - May 2012

Michigan State University

Department of Teacher Education

Secondary Mathematics Student Teaching Internship, Supervisor (2 semesters)

TE 407: Teaching Subject Matter to Diverse Learners – Sec Math (1 semester)

TE 407: Secondary Mathematics Major Microteaching Lab (1 semester)

TE 408: Crafting Teaching Practice – Secondary Mathematics Seminar (3 semesters)

TE 408: Secondary Mathematics Minor Microteaching Lab (1 semester)

TE 408: Computer Science Minor Microteaching Lab (1 semester)

Invited Lecturer

Saint Josephs College, West Hartford, CT

Spring 2006

K-12 TEACHING EXPERIENCE**Mathematics Teacher, grade 9**

2006 – 2007

The Dwight-Englewood School – Englewood, NJ

- Courses taught included Integrated Math 9 and Honors Math 9 (included algebra and geometry content)
- Worked collaboratively to develop curriculum with tablet PC integration for a one-to-one computer environment

Mathematics Teacher, grades 6-12

2003 – 2006

The Wilbraham & Monson Academy – Wilbraham, MA

- Courses taught included Math 6, Math 7, Math 8 (included geometry and algebra content), Algebra II, and Functions-Statistics-Trigonometry
- Coordinated the middle school mathematics program
- Designed and facilitated a program that is still running called Girls Engaging in Math and Science (GEMS)
- Designed and facilitated the production of a digital yearbook
- Coached two award-winning TOYChallenge teams (engineering competition)
- Served as a dormitory parent for junior and senior boys
- Coached girls JV Volleyball, Girls V Basketball, and Co-ed Outdoor Adventure

Computer Instructor, Adult Education

2000-2001

Moanalua-Aiea Community School for Adults – Honolulu, HI

- Taught a basic computer class to adults including instruction on basic computer hardware, Windows 98, the Internet, e-mail, and Office 2000

Mathematics Teacher, grade 9-12

1999 – 2003

Moanalua High School – Honolulu, HI

- Courses taught included Pre-Algebra, Geometry, Honors Geometry, Honors Trigonometry, Honors Analytic Geometry, IMP I, IMP II, IMP III, and IMP IV
- Designed and taught Computer Programming course
- Taught summer school Geometry, Algebra II, and SAT Prep

Mathematics Student Teacher, grades 10-12

Spring 1999

The Frederick Douglass Academy – New York, NY

- Courses taught included Integrated Courses II and III

Mathematics Student Teacher, grade 7-8

Fall 1998

DeWitt Middle School – Ithaca, NY

- Courses taught included Math 7, Math 8, and Math 8 Accelerated

RELATED WORK EXPERIENCE**Question Developer**

2001 – 2003

PLANETii Inc.

- Developed questions for use in an intelligence engine designed for online practice for students in mathematics

PUBLICATIONS**Research-Oriented**

Otten, S., **Males, L.M.**, & Gilbertson, N. (in press). The introduction of proof in secondary geometry textbooks. *The International Journal of Educational Research*.

Smith III, J. P., **Males, L. M.**, Dietiker, L. C., Lee, K. & Mosier, A. (2013). Curricular Treatments of Length Measurement in the United States: Do They Address Known Learning Challenges?, *Cognition and Instruction*, 31, 388-433, DOI: 10.1080/07370008.2013.828728.

Otten, S., Gilbertson, N. J., **Males, L. M.**, & Clark, D. L. (2014). The mathematical nature of reasoning-and-proving opportunities in geometry textbooks. *Mathematical Thinking and Learning*, 16, 1-29.

Males, L.M. (2012). *Educative supports for teachers in middle school mathematics curriculum materials: What is offered and how is it expressed?* In L. R. Van Zoest, J. Lo, & J. L. Kratky (Eds.), *Proceedings of the 34th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 96-99). Kalamazoo, MI: Western Michigan University.

Males, L.M. (2011). *Educative supports for teachers in middle school mathematics curriculum materials: What is offered and how is it expressed?* (Doctoral dissertation). Retrieved from ProQuest Dissertations and Theses. (Accession Order No. AAT 3489750)

Chang, K., **Males, L.M.**, Mosier, A., & Gonulates, F. (2011). Exploring U.S. textbooks' treatment of the estimation of linear measurement. *ZDM-The International Journal on Mathematics Education*. doi:10.1007/s11858-011-0361-2.

Otten, S., Gilbertson, N.J., **Males, L.M.**, & Clark, D.L. (2011). Reasoning-and-proving in geometry textbooks: What is being proved?. In L. R. Wiest, & T. Lamberg (Eds.), *Proceedings of the 33rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 347-355). Reno, NV: University of Nevada, Reno.

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.

Males, L. M., Otten, S., & Herbel-Eisenmann, B. (2010). Challenges of critical collegueship: Examining and reflecting on study group interactions, *Journal of Mathematics Teacher Education*, 13, 459-471. Special Issue on Teacher Change. DOI 10.1007/s10857-010-9156-6.

Males, L. M. (2009). Confronting practice: Critical collegueship in a mathematics teacher study group. In S. L. Swars, D. W. Stinson, & S. Lemons-Smith (Eds.), *Proceedings of the 31st annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 929-937). Atlanta, GA: Georgia State University.

Practitioner-Oriented

Gilbertson, N. J., Otten, S., **Males, L. M.**, & Clark, D. L. (2013). Connecting Research to Practice: Reasoning-and proving opportunities in geometry textbooks. *Mathematics Teacher*, 107, 138-142.

Males, L.M. (2010). Dictionary of Mathematics Terms [Review of the book *Barron's Dictionary of Mathematics Terms*, by Douglas Downing]. *Mathematics Teaching in the Middle school*, 16, 61.

Males, L.M., Males, J.R., & Beckmann, C. (Eds.). (2010). *Adventures with mathematics: Climbing from grade 6 to grade 7*. Ann Arbor, MI: Michigan Council of Teachers of Mathematics.

Males, J. R., & **Males, L.M.**, (2010). Concentrating on nets. In **L. M. Males** & J. R. Males (Eds.), *Adventures with mathematics: Climbing from grade 6 to grade 7* (pp. 16-20). Ann Arbor, MI: Michigan Council of Teachers of Mathematics.

Otten, S., Herbel-Eisenmann, B., & **Males, L.M.** (2010). Proof in algebra: An example of reasoning beyond examples. *Mathematics Teacher*, 103, 514-518.

Herbel-Eisenmann, B., Cirillo, M., & **Males, L.M.** (2009) An argument for taking up similar work. In B. Herbel-Eisenmann & M. Cirillo (Eds.), *Promoting purposeful discourse: Teacher research in mathematics classrooms* (pp. 219-232). Reston, VA: National Council of Teachers of Mathematics.

In Preparation and Under Review

Males, L.M. (under review). Educative supports for teachers in middle school mathematics curriculum materials.

Smith, III, J. P., **Males, L. M.**, & Gonulates, F., & (under review). The contributions of written curriculum to the problem of weak learning of area measurement.

PRESENTATIONS

Invited

Rumsey, C., **Males, L. M.**, Dietiker, L., Earnest, D., Zahner, W. (2013, December). *Opportunities in mathematics education*. Panel presentation to mathematics education students at Keen State College, Keene, NH.

Peer Reviewed

International

Bieda, K. N., **Males, L.M.**, & Gilbertson, N. (2012, November). *Lesson student in teacher preparation: Lessons learned from a case of large-scale, cross-disciplinary implementation*. Symposium presentation at the World Association of Lesson Studies Conference, Singapore.

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. (accepted). *Curriculum for professional development: Examining teachers' opportunities to learn from middle school curriculum materials*. Topic Study Group 32: Curriculum Development at the 12th International Congress on Mathematics Education, Seoul, Korea.

National

Dietiker, L., **Males, L. M.**, Amador, Julie, Earnest, D., & Stohlmann, M. (2014, April). *Fostering K-12 prospective teachers' curricular noticing*. Research symposium presentation at the research conference of the National Council of Teachers of Mathematics, New Orleans, LA.

Gilbertson, N., **Males, L. M.**, Rogers, K., & Otten, S. (2014, April). *Fostering K-12 prospective teachers' curricular noticing*. Paper presentation at the research conference of the National Council of Teachers of Mathematics, New Orleans, LA.

Hudospn, R., Keating, F., **Males, L. M.**, & Newton, J. (2014, April). *Pre-service secondary teachers' algebraic reasoning about equation solving*. Paper presentation at the research conference of the National Council of Teachers of Mathematics, New Orleans, LA.

- Swidler, S., Smith, W., **Males, L. M.**, Larson, B., & Pinguoch, B. (2014, February). *Preparing better teachers: Multiple perspectives on secondary mathematics certification purpose & outcomes*. Research symposium presentation at the annual conference of the Association of Mathematics Teacher Educators, Irvine, CA.
- Males, L. M.**, Newton, J., Hudson, R. A., Horvath, A., Kasten, S. Lorenzo, C., & Keating, F. (2013, November). *Investigating prospective secondary teachers' mathematical knowledge for teaching equations and inequalities*. Poster presentation at the annual conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Chicago, IL.
- Males, L.M.**, Smith, III, J.P., & Lee, K. (2013, April). *Opportunities to learn length measurement in elementary curricula*. Research symposium presentation to be given at the annual conference of the National Council of Teachers of Mathematics, Denver, CO.
- Males, L.M.**, Smith, J.P., He, J., & Clark, D., Bieda, K.N., & Crespo, S. (2013, January). *What do elementary pre-service teachers notice and discuss in one-cycle lesson study?* Research symposium presentation at the 17th Annual Conference of the Association of Mathematics Teacher Educators, Orlando, FL.
- Males, L. M.** (2012, November). *Educative supports for teachers in middle school mathematics curriculum materials: What is offered and how is it expressed?* Paper presentation at the annual conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Kalamazoo, MI.
- Males, L. M.** (2012, April). *Curriculum as professional development: Examining teachers' opportunities to learn from middle school curriculum materials*. Paper presented at the annual conference of the American Educational Research Association, Vancouver, BC.
- Males, L. M.**, Otten, S, Gilbertson, N., & Clark, D.L. (2012, April). *Reasoning-and-proving in textbooks: The case of high school geometry*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC.
- Males, L. M.**, & Gilbertson, N., & Stehr, E. (2012, April). *Dynamic computer simulations for promoting discussions of spatial measurement*. Presentation at the annual conference of the National Council of Teachers of Mathematics, Philadelphia, PA.
- Gonulates F., & **Males, L. M.** (2012, April). *Curricular treatment of common key concepts across measures*. Presentation at the annual conference of the National Council of Teachers of Mathematics, Philadelphia, PA.

- Gilbertson, N. Otten, S., **Males, L. M.**, & Clark, D.L. (2012, April). *Proof in geometry textbooks: Not all opportunities are created equal*. Presentation at the annual conference of the National Council of Teachers of Mathematics, Philadelphia, PA.
- Males, L. M.** (2012, April). *Curriculum as professional development: Examining teachers' opportunities to learn from middle school curriculum materials*. Poster presented at the annual conference of the National Council of Teachers of Mathematics, Philadelphia, PA.
- Males, L. M.** (2012, February). *Curriculum as professional development: Examining teachers' opportunities to learn from middle school curriculum materials*. Presentation at the annual conference of the Association of Mathematics Teacher Educators, Fort Worth, TX.
- Otten, S., Gilbertson, N., **Males, L.M.**, & Clark, D.L. (2011, October). Reasoning-and-proving in geometry textbooks: What is being proved? Presentation at the annual conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV.
- 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 Research Pre-session 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 session at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Gonulates, F., **Males, L. M.**, & Clark, D. (2011, April). *Exploring spatial measurement by attending to core conceptual principles*. Presentation at the annual meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.
- Herbel-Eisenmann, B., **Males, L. M.**, & Otten, S. (2010, April). *On the nature of middle grades mathematics classroom discourse*. Research symposium at the research pre-session of the annual meeting of the National Council of Teachers of Mathematics, San Diego, CA.
- Males, L. M.** (2010, January). *Confronting practice: Critical collegueship in a mathematics teacher study group*. Presentation at the annual conference of the Association of Mathematics Teacher Educators, Irvine, CA.
- Males, L. M.** (2009, September). *Confronting practice: Critical collegueship in a mathematics teacher study group*. Presentation at the annual conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Atlanta, GA.
- Herbel-Eisenmann, B., **Males, L.M.**, Otten, S., & Cirillo, M. (2009, April). *Multiple methods for analyzing mathematics classroom discourse*. Research symposium at the research pre-session of the annual meeting of the National Council of Teachers of Mathematics, Washington, DC.

- Chang, K., Mosier, A., **Males, L. M.**, & Gonulates, F. (2009, April). *What does the textbook say about measurement estimation? The perspective of meaning negotiation*. Presentation at the annual meeting of the American Educational Research Association, San Diego, CA.
- Males, L. M.** (2009, February). *Confronting practice: Critical collegueship in a mathematics teacher study group*. Poster presentation at the annual research conference for the Center for the Study of Mathematics Curriculum, Phoenix, AZ.
- Smith, J.P., Dietiker, L., Lee, K., **Males, L. M.**, Figueras, H., & Mosier, M. (2008, April). *Assessing curricular contributions to poor measurement learning*. Research symposium at the research pre-session of the annual meeting of the National Council of Teachers of Mathematics, Salt Lake City, UT.
- Smith, J.P., Dietiker, L., **Males, L. M.**, Figueras, H., Mosier, M., & Tan-Sisman, G. (2008, April). *Assessing curricular contributions to poor measurement learning*. Poster presentation at the annual meeting of the American Educational Research Association, New York, NY.
- Dietiker, L., & **Males, L.M.** (2008, February). *The STEM Project: Measuring capacity to learn measurement in curriculum*. Poster presentation at the annual research conference for the Center for the Study of Mathematics Curriculum, Phoenix, AZ.

Local and Regional

- Males, L. M.**, & Gonulates, F., Sweeny, S., & Gilbertson, N. (2011, February). *Exploring spatial measurement through a conceptual lens*. Presentation at the Math in Action conference of Grand Valley State University, Allendale, MI.
- Males, L. M.**, Cavazos, S., Frame, M., Gardner, R., Lantz, K., Rice, T., Scott, T., & Whaley, L. (2011, February). *Adventures with mathematics*. Presentation at the Math in Action conference of Grand Valley State University, Allendale, MI.
- Gonulates, F., **Males, L. M.**, & Gilbertson, N. (2010, August). *Conceptual development of area*. Presentation at the annual meeting of the Michigan Council of Teachers of Mathematics, Macomb, MI.
- Otten, S. & **Males, L. M.** (2010, February). *Talk moves in secondary mathematics classrooms: Toward a discourse-focused professional development curriculum*. Presentation at the Math in Action conference of Grand Valley State University, Grand Rapids, MI.
- Males, L. M.**, Bell, C., Dolan, J., Enders, C., Ledebuhr, W., Otten, S., et al. (2010, February). *Grade 6 summer math carnival*. Presentation at the Math in Action conference of Grand Valley State University, Grand Rapids, MI.
- Males, L. M.** (2009, October). *Confronting practice: Critical collegueship in a mathematics teacher study group*. Presentation at a meeting of the Mathematics Learning Research Group at Chapter Michigan State University, East Lansing, MI.

- Males, L. M.**, & Gonulates, F. (2009, August). *Getting down to the basics with length measurement*. Presentation at the annual meeting of the Michigan Council of Teachers of Mathematics, Macomb, MI.
- Smith, J. P., **Males, L. M.**, & Sweeny, S. (2009, August). *Developing powerful measurers*. Two-day session at the Teaching for Learning Institute: Igniting Sparks of Genius. Lansing, MI.
- Chang, K., Mosier, A., **Males, L. M.**, & Gonulates, F. (2009, April). *What does the textbook say about measurement estimation? The perspective of meaning negotiation*. Presentation at the Graduate Academic Conference hosted by the Council of Graduate Students, Michigan State University, East Lansing, MI.
- Smith, J.P., & **Males, L. M.** (2009, March). *Strategies to help your measurement instruction measure up*. Presentation at the Math in Action conference of Grand Valley State University, Allendale, MI.
- Smith, J.P., & **Males, L. M.** (2008, August). *Measuring the measurement: An analysis of spatial measurement in elementary and middle school curricula within educational systems*. Presentation at the annual meeting of the Michigan Council of Teachers of Mathematics, Holt, MI.
- Males, L. M.** (2008, May). *Teacher learning and curriculum*. Presentation at the Center for the Study of Mathematics Curriculum Doctoral Student Retreat, Hickory Corners, MI.
- Smith, J.P., Dietiker, L., Lee, K., Figueras, H., & **Males, L.M.** (2007, August). *How well do our texts introduce and define area?* Presentation at the annual meeting of the Michigan Council of Teacher of Mathematics, Holt, MI.
- Males, L.M.**, & Males, J.R. (2003, March). *Computer simulations to engage students*. Presentation at the Moanalua High School Professional Development conference, Honolulu, HI.
- Males, L.M.** (2002, March). *Small world, isn't it? A mathematical look at population growth*. Presentation at the Moanalua High School Professional Development conference, Honolulu, HI.
- Burke, L.M.** (1999, April). *Finding the general formula for computing $\sum_{i=1}^n i^m F_i$* . Presentation at the Hudson River Undergraduate Mathematics Conference, Poughkeepsie, NY.

GRANTS AND FELLOWSHIPS

- The STEM Pradera Project (2013) Under Review
 PI: Ted Hamman (TLTE), Co-PIs: Beth Lewis (TLTE), Lorraine Males
 Rural Futures Institute
 Funding Requested: \$149,680
- Integrating Dynamic Mathematics Software into Existing Curriculum to Improve the Teaching and Learning of Mathematics (2013) Under Review
 PI: Lorraine Males, Co-PIs: Chuck Friesen (TLTE), Steve Dunbar (Mathematics)

NE Coordinating Commission for Postsecondary Education
Funding Requested: \$78, 868

Proportion, Ratio, and the Core: Teachers' Interacting with Curricular Elements (2013) Unfunded
PI: Lorraine Males, Co-PIs: Maryann Huey (Drake), Christa Jackson (Kentucky), Sarah Kasten (NKU), Leah Shilling-Traina (Longwood), Sasha Wang (Boise)
Spencer Foundation
Funding Requested: \$49,096

Using iPads as a Tool for Learning to Teaching and Reflect on Secondary Mathematics Instruction (2013) Funded
PI: Lorraine Males, Co-PI: Chuck Frisen (TLTE)
College of Education and Human Sciences, University of Nebraska - Lincoln
Awarded: \$14,864

Course Development Grant: Using GeoGebra to Enhance Mathematics Instruction (2013) Funded
PI: Chuck Friesen, Co-PI: Lorraine Males
College of Education and Human Sciences, University of Nebraska - Lincoln
Awarded: \$6000

EPSCoR FIRST Award (2012) Unfunded
PI: Lorraine Males
NSF EPSCoR, University of Nebraska - Lincoln
Funding Requested: \$20,000

Leadership Fellowship (2011) Funded
The Graduate School, Michigan State University
Awarded: \$2,000

Dissertation Completion Fellowship (2011) Funded
College of Natural Science, Michigan State University
Awarded: \$6,000

Research Continuation Fellowship (2010) Funded
College of Natural Science, Michigan State University
Awarded: \$6,000

Fellowship (2007-2011) Funded
Center for the Study of Mathematics Curriculum
Awarded: \$8,000 per year

HONORS AND AWARDS

Service, Teaching, and Research (STaR) Fellow 2013

Special Guest of Honored CEHS (3 students) 2013
College of Education and Human Sciences, University of Nebraska - Lincoln

Lincoln, NE

Special Guest of Scholar-Athlete of the Year Nominee (1 student) Spring 2013
 Scholar Athlete Banquet, University of Nebraska-Lincoln
 Lincoln, NE

Award for Making a Significant Contribution to a Student's Life Fall 2013
 Parent's Association, University of Nebraska-Lincoln
 Lincoln, NE

Scholarship 2006 – 2007
 Teachers College, New York, NY

Mathematics and Computer Science Department Service Award 1999
 Ithaca College, Ithaca, NY

Dean's Merit Scholarship 1995
 Ithaca College, Ithaca, NY

PROFESSIONAL AND SERVICE ACTIVITIES

UNIVERSITY

Co-Director, Master of Arts with a Mathematics Teaching Specialization 2013 – present

Doctoral Guidance Committees

University of Nebraska-Lincoln

Darla Berks (EdD), member 2013 – present

Danielle Burhman (EdD), member 2012 – present

James Cliber (PhD), member 2012 – present

Kelly Georgius (PhD), member 2013 – present

Paula Jakopovic (PhD), member 2013 – present

Susie Katt (EdD), member 2013 – present

Michelle Metzger (PhD), chair 2013 – present

Ann McManaman (CPED), co-chair 2012 – present

Amber Vlasnik (PhD), member 2013 – present

Masters Guidance Committees/Readers

University of Nebraska-Lincoln

Kristoff Berzins (MAst), reader 2013

Steven Cain (MA), chair 2013 – present

Blaine Cullinan (MA), chair 2014 – present

Tyler Cronin, (MA), chair 2014 – present

Allison Dean, (MAmt), chair 2013 – present

Joshua Edmonds, (MAmt), chair 2013 – present

Leo Fogel, (MAmt), chair 2013 – present

Jennifer Jenkins, (MA), chair 2013 – present

Lyrice Lucas (MA), member	2014 – present
Frances Manzitto-Keating, (MA), chair	2013 – present
Patrick Mumm (MAst), reader	2013
Jessica Packard, (MAmt), chair	2013 – present
Travis Tamura, (MAmt), chair	2013 – present
Rachel von Kampen, (MAmt), chair	2013 – present

Teaching, Learning, and Teacher Education Committees

University of Nebraska-Lincoln

Department Chair Search, member (appointed)	2013 – present
Advisory Committee, member (elected)	2013 – present
Graduate Committee, member (elected)	2013 – present
Secondary Endorsement Ad Hoc Committee, member	2013 – present
Revising the Ph.D. Ad Hoc Committee, member	2012 – present
Selective Admissions Ad Hoc Committee, member	2012 – present

Research Practicum Committee Member

Michigan State University

Nic Gilbertson (Division of Science and Mathematics Education)	2010 – 2012
Shannon Sweeny (Teacher Education)	2010 - 2011

Co-organizer

Mathematics Learner's Research Group (MLRG)	2009 – 2010
Michigan State University	

Graduate Student Assistant

ExCITE Conference - Michigan State University	November 2008
East Lansing, MI	

PROFESSIONAL

Communications Committee, member (appointed)
Association of Mathematics Teacher Educators

Conference Organizing Committee Member	2010 – 2011
Conversations among Colleagues/Math in Action Conference	
Grand Valley State University, Allendale, MI	

Graduate Student Representative (elected)	2009 – 2011
North American Chapter of the Association of the Psychology of Mathematics Education (PME-NA)	

Co-organizer	2009 – 2010
Doctoral Student Symposium	
Center for the Study of Mathematics Curriculum (CSMC)	

Co-editor	2008 – 2010
Adventures with Mathematics: Climbing from Grade 6 to Grade 7	

Michigan Council of Teachers of Mathematics

Reviewer for Journals

Journal for Mathematics Teacher Education	2013-present
Journal for Research in Mathematics Education	2010 – present
Mathematics Teacher (NCTM)	2007 – present
Mathematics Teaching in the Middle School (NCTM)	2007 – present

Reviewer for Conferences

North American Chapter of the Association of the Psychology of Mathematics Education (PME-NA)	2009 – present
National Council of Teachers of Mathematics Research pre-session	2009 – present
American Educational Research Association	2009 – present
Association of Mathematics Teacher Educators	2009 – present

Newsletter Editor

Hawaii Council of Teachers of Mathematics	2001 – 2003
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PROFESSIONAL AFFILIATIONS

American Education Research Association

Association of Mathematics Teacher Educators

Computer Science Teachers Association

International Group for the Psychology of Mathematics Education

Michigan Council of Teachers of Mathematics

National Council of Teachers of Mathematics

Nebraska Association of Teachers of Mathematics