

# JANINE M. FIRMENDER, PH.D.

Associate Professor  
Department of Teacher Education

Saint Joseph's University  
5600 City Avenue  
Philadelphia, PA 19131

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## EDUCATION

- May 2011      **University of Connecticut**      Storrs, CT  
Neag School of Education  
Ph.D. Educational Psychology, Gifted Education and a related area of study in Curriculum and Instruction focusing on Mathematics Education  
Dissertation: *A Study of Teachers' Pedagogical Content Knowledge and Instructional Practices During and After Implementation of Advanced Primary Mathematics Curriculum*  
Co-advisors: Dr. M. Katherine Gavin and Dr. Sally M. Reis
- August 2007      **University of Connecticut**      Storrs, CT  
Master of Arts Degree in Education  
Concentration in Gifted Education  
Advisor: Dr. Del Siegle
- May 2002      **Misericordia University**      Dallas, PA  
Bachelor of Science Degree in Elementary Education, *Cum Laude*  
Minor in Psychology  
Certification in Early Childhood Education  
Content Area Major in General Science  
Advisor: Dr. Susan Tomascik

## PROFESSIONAL CERTIFICATIONS

- Pennsylvania Instructional I Certification – Elementary, K-6 (2002)  
Pennsylvania Instructional I Certification – Early Childhood, N-3 (2002)  
New Jersey Elementary Teacher Standard Certificate, Elementary School Teacher, K-6 (2003)

## PROFESSIONAL EXPERIENCE

- 2017 – Present      **Associate Professor**  
Department of Teacher Education, School of Health Studies and Education,  
Saint Joseph's University
- 2019 – Present  
& 2013 – 2018      **Department Advising Coordinator**  
Department of Teacher Education, School of Health Studies and Education,  
Saint Joseph's University
- 2011 - 2017      **Assistant Professor**  
Department of Teacher Education, College of Arts and Sciences, Saint Joseph's  
University

- Spring 2011 & Spring 2009     **Instructor**  
 Department of Educational Psychology, Neag School of Education  
 University of Connecticut
- Fall 2009           **Instructor**  
 Department of Curriculum and Instruction, Neag School of Education  
 University of Connecticut
- 2008 – 2011       **Research Assistant - Project M<sup>2</sup>: Mentoring Young Mathematicians Research Team**  
 Neag Center for Gifted Education and Talent Development  
 University of Connecticut
- 2008 – 2011       **Research Assistant - Schoolwide Enrichment Model-Reading (SEM-R) Framework Research Team**  
 Neag Center for Gifted Education and Talent Development  
 University of Connecticut
- 2009 – 2011       **Technology Coordinator – Confratute, Summer Institute on Enrichment and Gifted Education**  
 Neag Center for Gifted Education and Talent Development  
 University of Connecticut
- 2002 – 2008       **K-5 Enrichment and Gifted and Talented Teacher**  
 Stony Brook Elementary School, Rockaway Township, New Jersey

## **SCHOLARSHIP**

### ***REFEREED PUBLICATIONS***

- Casa, T. M., MacSwan, J. R., LaMonica, K. E., Colonnese, M. M., & **Firmender, J. M.** (2019). Grade 3 student prompts across nine comprehensive curriculum resources: An analysis of presses for the amount and characteristics of writing. *School Science and Mathematics, 119*, 176–189. <https://doi.org/10.1111/ssm.12333>
- Firmender, J. M.**, Casa, T. M., & Colonnese, M. M. (2017). Write on. *Teaching Children Mathematics, 24*(2), 84-92.
- Firmender, J. M.**, Dilley, A. E., Amspaugh, C. M., Field, K., Lemay, S., & Casa, T. M. (2017). Beyond *doing* mathematics: Engaging talented students in mathematically creative writing. *Gifted Child Today, 40* (4), 205-211. <https://doi.org/10.1177/1076217517722180>
- Powell, S. R., Hebert, M. A., Cohen, J. A., Casa, T. M., & **Firmender, J. M.** (2017). A synthesis of mathematics writing: Assessments, interventions, and surveys. *Journal of Writing Research, 8*(3), 493-526. <https://doi.org/10.17239/jowr-2017.08.03.04>
- Casa, T. M., Evans, K., **Firmender, J. M.**, & Colonnese, M. W. (2017). Why should students write in math class? *Educational Leadership* (Disciplinary Literacy theme), 74(5), available at

<http://www.ascd.org/publications/educational-leadership/feb17/vol74/num05/Why-Should-Students-Write-in-Math-Class.aspx>

- Casa, T. M., **Firmender, J. M.**, Gavin, M. K., & Carroll, S. R. (2017). The influence of challenging geometry and measurement units on the mathematics achievement of kindergarteners. *Gifted Child Quarterly*, 61(1), 52-72. <https://doi.org/10.1177/0016986216671806>
- Wang, A. H., **Firmender, J. M.**, Power, J., & Byrnes, J. P. (2016). Understanding program effectiveness of early mathematics interventions for pre-kindergarten and kindergarten environments: A meta-analytic review. *Early Education and Development*, 27(5), 692-713. <https://doi.org/10.1080/10409289.2016.1116343>
- Cohen, J., Miller, H., Casa, T. M., & **Firmender, J. M.** (2015). Characteristics of second graders' mathematical writing: Intervention and control group differences. *School Science and Mathematics*. 115(7), 344-355. <https://doi.org/10.1111/ssm.12138>
- Firmender, J. M.**, Gavin, M. K., & McCoach, D. B. (2014). Examining the relationship between teachers' instructional practices and students' mathematics achievement. *Journal of Advanced Academics*, 25(3), 214-236. <https://doi.org/10.1177/1932202X14538032>
- Firmender, J. M.**, Reis, S. M., & Sweeny, S. M. (2013). Reading comprehension and fluency levels across diverse classrooms: The need for differentiated reading instruction and content. *Gifted Child Quarterly*, 57(1), 3-14. <https://doi.org/10.1177/0016986212460084>
- Gavin, M. K., Casa, T. M., Adelson, J. L., & **Firmender, J. M.** (2013). The impact of advanced geometry and measurement units on the achievement of grade 2 students. *Journal for Research in Mathematics Education*, 44(3), 478-509. <https://doi.org/10.5951/jresmetheduc.44.3.0478>
- Gavin, M. K., Casa, T. M., **Firmender, J. M.**, & Carroll, S. R. (2013). The impact of advanced geometry and measurement curriculum units on the mathematics achievement of first-grade students. *Gifted Child Quarterly*, 57(2), 71-84. <https://doi.org/10.1177/0016986213479564>

#### **EDITORIALLY REVIEWED PUBLICATIONS**

- Firmender, J. M.** (2020). Using Number Talks to foster mathematical creativity, iMATHINATION Column. *Teaching for High Potential*, February issue, 11 & 18.
- Firmender, J. M.** (2019). Problem solving with purpose, iMATHINATION Column. *Teaching for High Potential*, August issue, 4 & 19.
- Firmender, J. M.** (2019). Empowering students as problem posers, iMATHINATION Column. *Teaching for High Potential*, May issue, 5 & 13.
- Gavin, M. K., **Firmender, J. M.**, & Casa, T. M. (2013). Recognizing and nurturing math talent in children. *Parenting for High Potential*, October issue, 22-26.
- Firmender, J. M.** (2013). Be an Educator, Technology Untangled Guest Column. *Teaching for High Potential*, Summer issue 16.

## **BOOK CHAPTERS**

Gavin, M. K., **Firmender, J. M.**, & Casa, T. M. (2019). Recognizing and nurturing math talent in children. In, K. Nilles, J. L. Jolly, T. F. Inman, & J. F. Smutny (Eds.), *Strategies for Parenting Gifted Kids: Expert Advice from the National Association for Gifted Children*. (pp. 247-256). Prufrock Press. [Prior iteration published in *Parenting for High Potential* in 2013.]

## **MANUSCRIPTS IN PREPARATION**

**Firmender, J. M.** (in preparation). An Analysis of Current and Potential Instructional Practices for Engaging Elementary Students in Mathematical Writing to Support Reasoning and Communication.

Gavin, M. K., Adelson, J., & **Firmender, J. M.** (in preparation). Mathematics gifted education. In, *Critical Issues and Practices in Gifted Education*. Prufrock Press.

**Firmender, J. M.** (in preparation). Sustaining instructional changes: Grades K-2 teachers' instructional practices after participation in an advanced primary mathematics curriculum study.

## **WHITE PAPERS**

Casa, T. M., **Firmender, J. M.**, Cahill, J., Cardetti, F., Choppin, J. M., Cohen, J., ... Zawodniak, R. (2016). *Types of and purposes for elementary mathematical writing: Task force recommendations*. Elementary Mathematical Writing Task Force. <https://mathwriting.education.uconn.edu/>

## **OTHER PUBLICATIONS**

Amspaugh, C. M., & **Firmender, J. M.** (2018, December). Hot tech tools for teaching & learning. *NAGC Insider* blog post - [http://www.nagc.org/hot-tech-tools-teaching-learning?mc\\_cid=72be6a27b7&mc\\_eid=3d94cf1147](http://www.nagc.org/hot-tech-tools-teaching-learning?mc_cid=72be6a27b7&mc_eid=3d94cf1147)

Amspaugh, C. M., & **Firmender, J. M.** (2018, June). Soaring with the CAPES framework: Tips for critically evaluating online gifted education information. *NAGC Insider Newsletter* blog post - [http://www.nagc.org/soaring-capes-framework?mc\\_cid=6755d6f41b&mc\\_eid=3d94cf1147](http://www.nagc.org/soaring-capes-framework?mc_cid=6755d6f41b&mc_eid=3d94cf1147)

**Firmender, J. M.** (2014, October). How to tech? That is the question... National Association for Gifted Children Computers and Technology Network Blog. Available at: <https://nagctech.wordpress.com/2014/10/15/how-to-tech-that-is-the-question-by-janine-m-firmender-jjmmff/>

**Firmender, J. M.**, Lindquist, E., Osiecki, C., & Stowe, D. (2009) Teacher support materials for Exploring shape games: Geometry with Imi and Zani. Neag Center for Gifted Education and Talent Development, University of Connecticut, Storrs, CT.

**Firmender, J. M.**, Lindquist, E., Osiecki, C., & Stowe, D. (2009) Teacher support materials for The school measurement fair: Measuring with Imi and Zani. Neag Center for Gifted Education and Talent Development, University of Connecticut, Storrs, CT.

## **GRANTS RECEIVED**

Casa, T. M. (PI; University of Connecticut) & **Firmender, J. M.** (Co-PI; Saint Joseph's University). (Sept 1, 2015 - August 31, 2016). *A Task Force on Conceptualizing Elementary Mathematical Writing: Implications for Mathematics Education Stakeholders*. National Science Foundation Conference Grant, Award No. 1545908, \$99,977.

**Firmender, J. M.** *A Study of Kindergarten Teachers' Instructional Practices During and After Implementation of Advanced Primary Mathematics Curriculum*. Saint Joseph's University Faculty Summer Research Grant 2012.

### **REFEREED PRESENTATIONS**

**Firmender, J. M.,** & Little, C. A. (2020, April). Recognizing and responding to students' potential. Accepted Workshop session for the National Council for Teachers of Mathematics Annual Meeting, Chicago, IL.

**Firmender, J. M.** (2019, November). Supporting students as writers of mathematically creative ideas. Accepted Concurrent session for the National Association for Gifted Children Annual Conference, Albuquerque, NM.

**Firmender, J. M.,** Fogarty, E., Little, C. A., Kearney, K., & Peters, P. (2019, November). Planning with Rosie, Ada, and Iggy in mind: Lessons to develop gifted behaviors. Accepted Poster session for the National Association for Gifted Children Annual Conference, Albuquerque, NM.

**Firmender, J. M.** (2019, April). Developing Thinkers and Writers of Mathematically Creative Ideas. Workshop session for the National Council for Teachers of Mathematics Annual Meeting, San Diego, CA.

Colonnese, M. W., Casa, T. M., & **Firmender, J. M.** (2019, February). Mathematical Writing to Promote Reasoning in Teacher Preparation Programs. Session for the Association of Mathematics Teacher Educators Annual Conference, Orlando, FL.

**Firmender, J. M.** (2018, November). Fostering Mathematical Talent Through the Mathematical Practices. Concurrent session for the National Association for Gifted Children Annual Conference, Minneapolis, MN.

**Firmender, J. M.** (2018, November). Making Mathematical Writing Relevant. Concurrent session for the National Association for Gifted Children Annual Conference, Minneapolis, MN.

**Firmender, J. M.,** Casa, T. M., & Colonnese, M. W. (2018, April). Mathematical Creativity & Mathematically Creative Writing to Foster Exceptional Mathematical Promise. Workshop session for the National Council of Teachers of Mathematics Annual Conference, Washington, DC.

Casa, T. M., Colonnese, M. W., & **Firmender, J. M.** (2018, April). Going Beyond "Explain:" Strategies to Support Elementary Mathematical Writing. Workshop session for the National Council of Teachers of Mathematics Annual Conference, Washington, DC.

- Firmender, J. M.**, Amspaugh, C., & Dilley, A. (2017, November). *Engaging Talented Students in Mathematically Creative Writing*. Concurrent session for the National Association for Gifted Children Annual Conference, Charlotte, NC.
- Firmender, J. M.**, Amspaugh, C. (2017, July). Engaging Talented Students in Mathematically Creative Writing. Evening Forum for the University of Connecticut's 40<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.**, & Bourgey, K. (2017, April). *An Analysis of the Characteristics of Grade 3 Writing Prompts for Mathematically Talented Students*. Roundtable session for the 2017 Annual Meeting of the American Educational Research Association, San Antonio, TX.
- Firmender, J. M.** (2017, April). *Types of and Purposes for Elementary Mathematical Writing: Task Force Recommendations*. Advancing Mathematics Education Through NSF's DRK-12 Program structured poster session for the 2017 Annual Meeting of the American Educational Research Association, San Antonio, TX.
- Firmender, J. M.** (2016, November). *Engaging mathematically talented students in writing: Recommendations from the Elementary Mathematical Writing Task Force*. Concurrent Session for the National Association for Gifted Children Annual Conference, Orlando, FL.
- Casa, T. M., & **Firmender, J. M.** (2016, June). *Elementary Mathematical Writing Task Force Recommendations: Implications for research and classroom implementation*. Concurrent Session for the National Science Foundation Discovery Research K-12 2016 Annual Principal Investigator Meeting, Washington, DC.
- Firmender, J. M.** (2016, May). *Types of and Purposes for Elementary Mathematical Writing: Recommendations from the Elementary Mathematical Writing Task Force*. Concurrent Session for the Pennsylvania Association for Mathematics Teacher Educators 10<sup>th</sup> Annual Symposium, Shippensburg, PA.
- Firmender, J. M.** (2016, April). *Extending mathematical reasoning: Encourage mathematically talented students to write about ideas*. Session at the Annual New Jersey Association for Gifted Children Conference, Bridgewater, NJ.
- Firmender, J. M.** (2016, April). *"I just knew it!" Using tablet technology to uncover student thinking*. Session at the Annual New Jersey Association for Gifted Children Conference, Bridgewater, NJ.
- Wang, A. H., **Firmender, J. M.**, Power, J. R., & Byrnes, J. P. (2015, June 24). *Understanding program effectiveness of early mathematics interventions for pre-kindergarten and kindergarten environment*. Paper presentation delivered at the Taiwan International Conference: Advancing Scientific Research in Education, Taichung, Taiwan.
- Firmender, J. M.** (2015, May). *Facilitating discussions using talk moves in a mathematics methods course*. Concurrent session at the Annual Pennsylvania Association for Mathematics Teacher Educators Symposium, Shippensburg, PA.

- Casa, T. M., **Firmender, J. M.**, Colonnese, M. M, LaMonica, K., & MacSwan, J. (2015, April). *Analyzing prompts pressing students to write*. Interactive Paper Session at the Annual National Council for Teachers of Mathematics 2015 Research Conference, Boston, MA.
- Gavin, M. K., & **Firmender, J. M.** (2014, November). *The math begins where the game ends! Using the Common Core State Standards to engage and challenge our talented primary students*. Putting Into Practice session for the annual National Association for Gifted Children Conference, Baltimore, MD.
- Wang, A. H., **Firmender, J. M.**, & Power, J. (2014, April). *Understanding the influence of school-based early mathematics learning opportunities in early childhood settings: A meta-analytic review*. Paper session at the 2014 Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Firmender, J. M.** (2013, November). *From math workshop to mathematicians at work: Adapting the math workshop to engage students in problem solving*. Super Sunday session for the annual National Association for Gifted Children Conference, Indianapolis, IN.
- Gavin, M. K., & **Firmender, J. M.** (2013, November). *I know the answer...I just can't explain it!* Putting Into Practice session for the annual National Association for Gifted Children Conference, Indianapolis, IN.
- Firmender, J. M.** (2013, April). *Sustaining instructional changes: Grades K-2 teachers' instructional practices after participation in an advanced primary mathematics curriculum study*. Roundtable session at the 2013 Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Firmender, J. M.** (2012, November). *Incorporating mathematical processes and practices in instruction for mathematically talented students*. Accepted session at the annual National Association for Gifted Children Conference, Denver, CO.
- Gavin, M. K., Casa, T. M., & **Firmender, J. M.** (2012, November). *The impact of advanced math curriculum on kindergarten, first, and second-grade students*. Research session at the annual National Association for Gifted Children Conference, Denver, CO.
- Housand, B. H., Paul, K. A., Lewman, G., & **Firmender, J. M.** (2012, November). *What do you get when you cross an iPad with a teacher of talented students?* Super Sunday Session at the annual National Association for Gifted Children Conference, Denver, CO.
- Casa, T. M., & **Firmender, J. M.** (2012, April). *What do the Common Core State Standards for Mathematical Practice actually look like, and how can we help teachers implement them?* Session presented at the annual meeting of the National Council for Supervisors of Mathematics, Philadelphia, PA.
- Firmender, J. M.** & McCoach, D. B. (2012, April). *The development and analysis of the Middle School Student Reading Preferences Instrument (MSSRPI)*. Roundtable session at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, Canada.

- Gavin, M. K., Casa, T. M., & **Firmender, J. M.** (2012, April). *The impact of advanced geometry and measurement curriculum units on the mathematics achievement of first-grade students*. Paper Session at the 2012 annual meeting of the American Educational Research Association, Vancouver, Canada.
- Sheffield, L. J., **Firmender, J. M.**, Gavin, M. K., & Casa, T. M. (October, 2012). *Project M<sup>2</sup>: Mentoring young mathematicians*. Workshop of the Israel Science Foundation - Workshop on exploring mathematical thinking and giftedness of high achievers who learn mathematics in different educational frameworks, University of Haifa, Israel.
- Firmender, J. M.**, Gavin, M. K., & Casa, T. M. (2011, November). *Thinking critically about effective curriculum and instruction for mathematically talented elementary students*. Session presented at the annual National Association for Gifted Children Conference, New Orleans, LA.
- Firmender, J. M.** & Helbling, J. (2011, November). *Middle School Readers...What We've Learned*. Session presented at the annual National Association for Gifted Children Conference, New Orleans, LA.
- Gavin, M. K., Casa, T. M., & **Firmender, J. M.** (2011, November). *Exploring Shapes through Games: Geometry for Talented Primary Students*. Session presented at the annual National Association for Gifted Children Conference, New Orleans, LA.
- Firmender, J. M.** (2011, April). *Advanced Mathematics Curriculum: The Effect of Project M<sup>2</sup> on the Achievement of Mathematically Talented Students in Grade 2*. Paper session at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Firmender, J. M.** & Casa, T. M. (2011, April). *Come One, Come All: It's the Measurement Fair!* Session at the annual meeting of the National Council for Teachers of Mathematics, Indianapolis, IN.
- Gavin, M. K. & **Firmender, J. M.** (2011, April). *Exploring Shape Games: The Math Begins When the Game Ends!* Session at the annual meeting of the National Council for Teachers of Mathematics, Indianapolis, IN.
- Gavin, M. K. & **Firmender, J. M.** (2010, November). *Project M<sup>2</sup> Mentoring Young Mathematicians: New Advanced Curriculum for Primary Students*. Session presented at the annual National Association for Gifted Children Conference, Atlanta, GA.
- Cole, S. & **Firmender, J. M.** (2010, October). *Exploring Shapes and Beyond*. Session presented at the Annual New England Conference on the Gifted & Talented, Hartford, CT.
- Casa, T. M., Gavin, M. K., & **Firmender, J. M.** (2010, April). *Project M<sup>2</sup>'s Approach: Connecting Math and Language Arts Through Communication*. Session presented at the annual meeting of the National Council for Teachers of Mathematics, San Diego, CA.
- Gavin, M. K., Casa, T. M., & **Firmender, J. M.** (2010, April). *Designing a Shape Gallery: Making Geometry Connections for Primary Students*. Session presented at the annual meeting of the National Council for Teachers of Mathematics, San Diego, CA.



Bachinski, J. J. & **Firmender, J. M.** (2009, November). *Challenging Our Young Mathematicians: Making Sense of Early Childhood and Mathematics Education Standards with Project M<sup>2</sup>*. Poster session presented at the annual meeting of the National Association for Gifted Children, St. Louis, MO.

**Firmender, J. M.** (2009, November). *Exploring Shapes and More in Geometry*. Session at the annual meeting of the Association for Teachers of Mathematics in Connecticut, Uncasville, CT.

**Firmender, J. M.** (2009, November). *Geometry: Exploring Shapes and Beyond*. Session presented at the annual meeting of the National Association for Gifted Children, St. Louis, MO.

Gavin, M. K. & **Firmender, J. M.** (2009, November) *Algebra for Talented Young Mathematicians: Exploring Advanced Curriculum Across the Elementary Grades*. Session presented at the annual meeting of the National Association for Gifted Children, St. Louis, MO.

**Firmender, J. M.** (2007, November). *What's the Big Idea?* – Poster Session presented at the annual meeting of the National Association for Gifted Children, Minneapolis, MN.

**Firmender, J. M.** (2007, March). *What's the Big Idea?* Workshop presented at the annual meeting of the New Jersey Association for Gifted Children, NJ.

### ***INVITED PRESENTATIONS***

**Firmender, J. M.** (2019, July). *Meeting the Needs of Your Student Mathematicians (Grades K – 8)*. Four-day strand at the University of Connecticut's 42<sup>nd</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2019, July). *From Inspiration to Conclusion: Facilitating Type III Projects*. Four-day strand at the University of Connecticut's 42<sup>nd</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2019, June). Mathematical processes to uncover and develop mathematical talent. Three-day session for the 2019 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.

**Firmender, J. M.** (2019, June). Tools for mathematical discourse: helping your students express reasoning and creativity. Three-day session for the 2019 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.

**Firmender, J. M.** (2018, July). *Young and Talented: Meeting the Needs of Your Student Mathematicians*. Four-day strand at the University of Connecticut's 41<sup>st</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2018, July). *From Inspiration to Conclusion: Facilitating Type III Projects*. Four-day strand at the University of Connecticut's 41<sup>st</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2018, June). *Mathematical Discourse: Engaging Students in Talking and Writing about Mathematical Ideas*. Three-day strand at Whitworth University's Gifted Education Institute - Identifying and Developing Academic Potential: An Equitable Approach, Spokane, WA.

- Firmender, J. M.** (2018, June). *Nurturing Mathematical Talent through the Mathematical Practices*. Three-day strand at Whitworth University's Gifted Education Institute - Identifying and Developing Academic Potential: An Equitable Approach, Spokane, WA.
- Firmender, J. M.** (2017, December). *Mathematical processes to develop and uncover math talent*. Invited session for the Indiana Association for the Gifted annual conference, Indianapolis, IN.
- Firmender, J. M.** (2017, December). *Written Mathematical Communication: Uncovering Students' Reasoning and Creativity*. Invited session for the Indiana Association for the Gifted annual conference, Indianapolis, IN.
- Firmender, J. M.** (2017, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 40<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2017, July). *Budding professionals: STEM in the primary grades*. Four-day strand at the University of Connecticut's 40<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2016, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 40<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2016, July). *Budding professionals: STEM in the primary grades*. Four-day strand at the University of Connecticut's 39<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2016, June). *Meeting the needs of mathematically talented students (Grades K-2)*. The 2016 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.
- Firmender, J. M.** (2016, June). *Meeting the needs of mathematically talented students (Grades 3-6)*. The 2016 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.
- Casa, T. M., & **Firmender, J. M.** (2016, June). *A task force on conceptualizing elementary mathematical writing: Implications for mathematics education stakeholders*. Poster session for the National Science Foundation Discovery Research K-12 2016 Annual Principal Investigator Meeting, Washington, DC.
- Paul, K. A., Housand, B. C., Lewman, G., **Firmender, J. M.**, Venosdale, K., & Conrad, L. (2015, November). *Visions of the future: Perspectives on the role of technology in the future of gifted education and talent development*. Invited Panel Discussion Super Sunday Session at the National Association for Gifted Children Annual Convention, Phoenix, AZ.
- Firmender, J. M.** (2015, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 38<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2015, July). *Budding professionals: STEM in the primary grades*. Four-day strand at the University of Connecticut's 38<sup>th</sup> Annual Confratute, Storrs, CT.
- Firmender, J. M.** (2015, June). *Meeting the needs of mathematically talented students (Grades K-2)*. The 2015 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.
- Firmender, J. M.** (2015, June). *Meeting the needs of mathematically talented students (Grades 3-6)*.

The 2015 Hormel Foundation Gifted and Talented Education Symposium, Austin, MN.

**Firmender, J. M.** (2014, July). *Budding professionals: STEM in the primary grades*. Four-day strand at the University of Connecticut's 37<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2014, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 37<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2013, September). Examining instructional practices in primary grades mathematics. Invited presentation for the Collaborative Mathematics Education Research Group (CoMERG), Saint Joseph's University, Philadelphia, PA.

**Firmender, J. M.** (2013, July). *Budding professionals: STEM in the primary grades*. Four-day strand at the University of Connecticut's 36<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2013, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 36<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2013, July). Tackling Type IIIs. Evening Forum at the University of Connecticut's 36<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2013, March). *Classroom Technology*. Third Annual Education Symposium of the Tau Omega Chapter of Kappa Delta Pi at Saint Joseph's University, Philadelphia, PA.

**Firmender, J. M.** (2012, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 35<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2012, March). *Truths and myths of gifted education*. Second Annual Education Symposium of the Tau Omega Chapter of Kappa Delta Pi at Saint Joseph's University, Philadelphia, PA.

**Firmender, J. M.,** Housand, B., Rubenstein, L. M., & Richardson, S. M. (2012, March). *Talking technology*. Second Annual Education Symposium of the Tau Omega Chapter of Kappa Delta Pi at Saint Joseph's University, Philadelphia, PA.

**Firmender, J. M.** (2011, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 34<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2011, January). *Collaborating with Google Sites*. Invited presentation for Dr. Rebecca Eckert's seminar class at the University of Connecticut, Storrs, CT.

**Firmender, J. M.** (2010, July). *Mentoring Mathematical Minds: Teaching Math to Talented Elementary Students*. Four-day strand at the University of Connecticut's 33<sup>rd</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2010, July). *Project M<sup>2</sup>: Mentoring Young Mathematicians*. Four-day strand at the University of Connecticut's 33<sup>rd</sup> Annual Confratute, Storrs, CT.

Helbling, J. & **Firmender, J. M.** (2010, July). *Got Game?: Utilizing Games to Promote Higher-Level*

*Thinking*. The University of Connecticut's 33<sup>rd</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2009, July). *Dive Into a Good eBook*. Four-day strand at the University of Connecticut's 32<sup>nd</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** (2008 & 2007, July). *Unleashing the Power of PowerPoint*. Four-day strand at the University of Connecticut's 31<sup>st</sup> and 30<sup>th</sup> Annual Confratute, Storrs, CT.

**Firmender, J. M.** & Rosnick, K. (2007, September). *What's the Big Idea?* Workshop presented for the EIRC National Talent Network, NJ.

**Firmender, J. M.** & Waicunas, N. (2007, July). *Type IIIs in Action: Stories that Inspire*. Special Topic Presentation at the University of Connecticut's 30<sup>th</sup> Annual Confratute, Storrs, CT.

### **PRESENTATIONS – UNIVERSITY LEVEL**

**Firmender, J. M.,** Lee-Soety, J., Tanzola, G., Johnson, R., Daniel, R., & Moscato, E. (2018, May). *Canvas is here: Where are you?* Faculty-Led Breakout Session for the 2018 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

**Firmender, J. M.,** Adams, L., Ward, O., & Lowing, D. (2017, May). Using Google's G Suite to Support Teaching and Learning. Faculty-Led Breakout Session for the 2017 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

**Firmender, J. M.,** Miller, L., & Ryan, D. (2015, October). *The students' view: Technologies for enhancing engagement and instruction*. Workshop for the 2015 Saint Joseph's University Academic Teaching and Learning Forum in the Fall. Philadelphia, PA.

**Firmender, J. M.,** Miller, L., & Ryan, D. (2015, June). *The students' view: Technologies for enhancing engagement and instruction*. Faculty-Led Workshop for the 2015 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

**Firmender, J. M.** & Edeiken-Cooperman, N. (2015, June). *Preparing for Generation Z: An Overview of K-12 Learning*. Opening presentation for the Academic Technology Leadership Committee Spring 2015 Meeting, Saint Joseph's University, Philadelphia, PA.

Crispin, L., & **Firmender, J. M.** (2014, June). *Mobile devices in the classroom*. Faculty-Led Workshop for the 2014 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

**Firmender, J. M.** (2013, June). *Focus on course design and pedagogy: The 4Cs of student engagement*. Faculty Led Breakout Session for the 2013 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

Caccamo, J., **Firmender, J. M.,** Miori, G., & Swift, T. (2013, June). *Discussion and reflection on the Student Video*. Opening Panel Discussion for the 2013 Saint Joseph's University Academic Teaching and Learning Forum. Philadelphia, PA.

## **TEACHING**

### ***COURSES TAUGHT***

#### ***Saint Joseph's University - Philadelphia, PA***

- EDU 365/365F Math and Technology, Pre-K – Grade 4 (*Undergraduate, Professional and Liberal Studies*)
- EDU 665/665F Interdisciplinary Teaching: Mathematics & Technology (*Graduate – course revised*)  
Interdisciplinary Teaching: Mathematics, Science, & Technology (*Graduate*)
- EDU 495/695, 496/696, 491/691 Student Teaching Seminar Early Childhood/Elementary, Middle Grades, Secondary Education (*Undergraduate, Professional and Liberal Studies, Graduate*)
- EDU 242/242F Technology Enhanced Curriculum and Instruction (*Undergraduate*)
- EDU 151/151F Development, Cognition, and Learning (*Undergraduate*)
- EDU 155/155F Foundations of Early Childhood Education (*Undergraduate*)
- EDU 391, 681 Mathematics in the Elementary School (*Undergraduate, Professional and Liberal Studies, Graduate*)
- EDU 393 Science in the Elementary School (*Undergraduate*)
- Student Teacher Supervision (2 semesters)

#### ***Universidad Alberto Hurtado - Santiago, Chile***

- EDL 605 State of the Art: Effective School Management

#### ***University of Connecticut – Storrs, CT***

- EPSY 5199 Teaching Mathematically Talented Elementary Students (*Graduate, on-line*)
- EDCI 4115 Elementary Mathematics Methods (*Undergraduate*)

### ***COMMITTEE MEMBER, DOCTORAL DISSERTATION***

Lavelle-Lore, M. D. (2013). Parent-child home numeracy intervention and the mathematics scores of First Grade students in urban Catholic schools. Unpublished Doctoral Dissertation, Saint Joseph's University's Interdisciplinary Doctor of Education Program for Educational Leaders, Philadelphia, PA.

## **SERVICE**

### ***SAINT JOSEPH'S UNIVERSITY SERVICE***

- Fall 2019 – Present Saint Joseph's University Instructional Technology Advisory Council
- Fall 2019 – Present Academic Advising Oversight Committee
- 2017- 2018 Canvas Steering Committee
- 2017 Summer Saint Joseph's University Summer Scholars Mentor  
Elaine Estes, Project title: Dynamics of Gifted Education for the Linguistically Diverse: A study of the nature of gifted education programs within Philadelphia

schools in regard to the opportunities provided for students of a Hispanic background.

2017 Spring	Learning Management System Steering Committee
2017 Spring	Student Response System Task Force
2016 – Present	Saint Joseph's University Academic Technology Advisory Council
2016 – 2017	Google Steering Committee
2016 Summer	Saint Joseph's University Summer Scholars Mentor Krista Bourgey, Project title: Third Grade Gifted Supplements for <i>Math and Focus</i>
2015 – 2016	iPad Boot Camp Faculty Facilitator and Planning Committee
2016 Spring	Chair – Council for the Accreditation of Educator Preparation (CAEP) Clinical Task Force
2015 Summer	Scheduling Policy Working Group
2014 – 2016	Academic Teaching and Learning Forum Planning Committee
2014 – 2015	Ignatian Leadership Program
2013 – 2016	Learning Management System Taskforce
2013 Spring	Subcommittee on Freshmen Self-Rostering
2011 – 2013	Academic Policies and Procedures Committee

#### ***SAINT JOSEPH'S SCHOOL OF HEALTH STUDIES AND EDUCATION SERVICE***

Fall 2019 – Present	Chair SHSE College Council Executive Committee
Fall 2019 – Present	SHSE College Council Executive Committee elected member

#### ***SAINT JOSEPH'S COLLEGE OF ARTS AND SCIENCES SERVICE***

Fall 2018	CAS College Council Executive Committee elected member
2015 – 2017	CAS College Council Executive Committee elected member
2015 – 2017	CAS College Council Executive Committee Liaison to the Curriculum Committee
2015 – 2018	CAS Advising Center Advisory Board Member

#### ***SAINT JOSEPH'S UNIVERSITY TEACHER EDUCATION DEPARTMENT/EDUCATION UNIT SERVICE***

2019 – Present	Department Advising Coordinator, Teacher and Special Education
2018 – Present	Chair of NAEYC SPA Working Group for Key Assessment 3
2018 – Present	NAEYC SPA Working Group for Key Assessment 5
2015 – 2016	Chair - Learning Outcomes Assessment for PK4 BS/MS committee
2014 – 2015	Member - Committee to Restructure EDU 665 "Interdisciplinary Teaching: Science, Math & Technology"
2014 – 2015	Member - Development Courses Committee
2013 – 2018	Department Advising Coordinator, Teacher and Special Education
2012 – 2013	Chair - Teacher Education Department Field Experience Committee
Spring 2013	Offered SMARTBoard Training for Teacher Education Faculty
Fall 2012	Teacher Education Representative to PAC-TE
Spring 2012	Teacher Education Representative for Math and Science Coalition in Philadelphia

## ***INVOLVEMENT IN STUDENT LIFE AND ACTIVITIES***

2013 – Present      Co-Counselor, *Kappa Delta Pi*, Education Honor Society, Saint Joseph's University

## ***PROFESSIONAL SERVICE***

2019 – Present      Program Chair – Computers and Technology Network of the National Association for Gifted Children

2017 – 2019      Chair – Computers and Technology Network of the National Association for Gifted Children  
Journal Reviewer - *Journal of Mathematics Teacher Education*, *Journal for the Education of the Gifted*, and *Teaching for High Potential*

2015 - 2017      Chair-Elect – Computers and Technology Network of the National Association for Gifted Children  
Journal Reviewer – *Gifted Child Quarterly*  
Conference Proposal Reviewer – National Association for Gifted Children

2014      Journal Reviewer – *Teaching for High Potential*, *Journal of Advanced Academics*  
Conference Proposal Reviewer – National Association for Gifted Children  
STEM Network Website Coordinator – National Association for Gifted Children

2013      Journal Reviewer – *Gifted Child Quarterly*, *Teaching for High Potential*, *Journal of Advanced Academics*  
Conference Proposal Reviewer – National Association for Gifted Children  
STEM Network Website Coordinator – National Association for Gifted Children

2012 – 2016      Advisory Board Member – *Teaching for High Potential*

2012      Journal Reviewer – *Psychology in the Schools*  
Conference Proposal Reviewer – National Association for Gifted Children

2011      Journal Reviewer - *Journal for Advanced Academics*, *SAGE Open*  
Conference Proposal Reviewer – National Association for Gifted Children

2007-2008      *Gifted and Talented Curriculum Review Committee*  
Rockaway Township Public Schools, NJ

2006-2007      *Professional Development Committee*  
Rockaway Township Public Schools, NJ

2001-2002      *Student Advisory Committee*, Teacher Education Department  
Misericordia University

2001      *Education Club President*  
Misericordia University

## ***PROFESSIONAL DEVELOPMENT FOR PRACTICING TEACHERS***

- Firmender, J. M.** (2019, August). Grounded in Math Discourse: Number Talks and Problem Solving, Grades PreK - 4. Gesu School, Philadelphia, PA.
- Firmender, J. M.** (2019, August). Grounded in Math Discourse: Number Talks and Problem Solving, Grades 5 - 8. Gesu School, Philadelphia, PA.
- Firmender, J. M.** (2019, August). *Project M<sup>3</sup> - Big ideas and instructional approaches*. Curriculum implementation professional development (full day), School District of Philadelphia, PA.
- Firmender, J. M.** (2019, June). *Discourse in Mathematics*. Half-day professional development session for Project SPARK grant, University of Connecticut, Waterbury, CT.
- Firmender, J. M.** (2019, June). *Project M<sup>2</sup>: Kindergarten Geometry Unit*. Half-day professional development session for Project SPARK grant, University of Connecticut, Waterbury, CT.
- Firmender, J. M.** (2019, June). *Project M<sup>2</sup>: Grade 1 Geometry Unit*. Half-day professional development session for Project SPARK grant, University of Connecticut, Waterbury, CT.
- Firmender, J. M.** (2019, June). *Project M<sup>2</sup>: Grade 2 Geometry Unit*. Half-day professional development session for Project SPARK grant, University of Connecticut, Waterbury, CT.
- Firmender, J. M.** (2019, May). *Project M<sup>3</sup> - Big ideas and instructional approaches*. Curriculum implementation professional development (full day), St. Joseph School District, MO.
- Firmender, J. M.** (2018, September). *Project M<sup>3</sup> - Big ideas and instructional approaches*. Curriculum implementation professional development (full day), School District of Philadelphia, PA.
- Firmender, J. M.** (2018, June). *Engaging students as mathematicians – Strategies that work*. Professional development session for Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2018, June). *Project M<sup>2</sup>: K-2 Geometry*. Professional development session for Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2018, June). *Project M<sup>2</sup>: K-2 Measurement*. Professional development session for Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2018, January). *Project M<sup>3</sup> - Big ideas and instructional approaches*. Curriculum implementation professional development (full day), Lower Merion School District, Lower Merion, PA.
- Firmender, J. M.** (2017, August). *Project M<sup>3</sup>: Mentoring Mathematical Minds – Levels 3, 4 & 5*. Three full-day sessions for the 2017 Festival of the Minds, Arlington Public Schools, Arlington, VA.



- Firmender, J. M.** (2017, June). *Engaging students as mathematicians – Strategies that work.* Professional development session for Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2017, June). *Helping students talk the talk...of Mathematics.* Professional development session for Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2016, August). *Project M<sup>2</sup>: Mentoring Young Mathematicians – Geometry and Measurement, Level 2.* Curriculum implementation professional development (full day), Baltimore City Schools, Baltimore, MD.
- Firmender, J. M.** (2016, June). *Project M<sup>2</sup>: Mentoring Young Mathematicians – Geometry, Levels K-2.* Curriculum implementation professional development (full day), Project SPARK grant, University of Connecticut, Storrs, CT.
- Firmender, J. M.** (2016, June). *Project M<sup>2</sup>: Mentoring Young Mathematicians - Geometry.* Full-day session for the 2016 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2016, June). *Project M<sup>3</sup>: Mentoring Mathematical Minds – Levels 3, 4 & 5.* Three full-day sessions for the 2016 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2015, September). *Project M<sup>3</sup>: Mentoring Mathematical Minds – Level 3 Unit – Awesome Algebra.* Curriculum implementation professional development (full day), Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2015, June). *Project M<sup>2</sup>: Mentoring Young Mathematicians - Geometry.* Full-day session for the 2015 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2015, June). *Project M<sup>3</sup>: Mentoring Mathematical Minds – Levels 3, 4 & 5.* Three full-day sessions for the 2015 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2014, June). *Project M<sup>2</sup>: Mentoring Young Mathematicians.* Full-day session for the 2014 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2014, June). *Project M<sup>3</sup>: Mentoring Mathematical Minds.* Full-day session for the 2014 Festival of the Minds, Arlington Public Schools, Arlington, VA.
- Firmender, J. M.** (2010, October). *Professional development for implementing Project M<sup>3</sup> and Project M<sup>2</sup> units,* Fairfax Public Schools, Fairfax, VA.
- Firmender, J. M.** (2010, September). *Meeting the Needs of Mathematically Talented Students.* Professional development for Academy Hill School, Springfield, MA.
- Firmender, J. M.** (2010, January, March, and May). *Professional development for implementing Project M<sup>3</sup> Curriculum,* Milford Public Schools, Milford, MA.

Rubenstein, L. D. & **Firmender, J. M.** (2010, May). *Differentiation in Practice*. In-service presented for Stratford Public Schools, Stratford, CT.

Cole, S., & **Firmender, J. M.** (2009, November). *Differentiation Across the Disciplines: Developing Lessons for All Learners*. In-service presented for Stratford Public School, Stratford, CT.

**Firmender, J. M.** (2009, October). *Professional development for implementing Project M<sup>3</sup> units*, Milford Public Schools, Milford, MA.

**Firmender, J. M.** (2009, September 25, October 9, 16). *Professional development for implementing Project M<sup>3</sup> units*, Fairfax Public Schools, Fairfax, VA.

Cole, S., & **Firmender, J. M.** (2009, August). *Differentiation Across the Disciplines*. In-service presented for Stratford Public School, Stratford, CT.

**Firmender, J. M.** (2009, May). *Overview of Schoolwide Enrichment Model-Reading Framework*. Workshop presented for Bridgette Gordon-Hickey Regional Multicultural Magnet School, New London, CT.

**Firmender, J. M.** (2008). *Dive Into a Good eBook*. Workshop presented for Rockaway Township Public Schools, NJ.

**Firmender, J. M.** (2007, January). *We're in Full Bloom!* Workshop presented for Rockaway Township Public Schools, NJ.

**Firmender, J. M.** (2006, October). *FOSS Kit Training*. Workshop presented for Rockaway Township Public Schools, NJ.

## **HONORS/SPECIAL RECOGNITION**

November 2019      Faculty Merit Award for Extraordinary Achievement in Advising,  
Saint Joseph's University

November 2015      Faculty Merit Award for Extraordinary Achievement in Teaching,  
Saint Joseph's University

November 2012      *Curriculum Studies Award*, National Association for Gifted Children, Curriculum  
Studies Network  
Project M<sup>2</sup>: Kindergarten Unit, *Exploring Shapes in Space: Geometry with the  
Frogonauts*. Gavin, M. K., Casa, T. M., Chapin, S. H., Sheffield, L. J., Firmender, J.  
M., & Osiecki, C.

November 2011      *Doctoral Student of the Year Award*  
National Association for Gifted Children

November 2011      *Curriculum Studies Award*, National Association for Gifted Children, Curriculum  
Studies Network

Project M<sup>2</sup>: Grade 1 Geometry unit, *Exploring Shape Games: Geometry with Imi and Zani*. Gavin, M. K., Casa, T. M., Chapin, S. H., Sheffield, L. J., Firmender, J. M., & Osiecki, C.

- November 2010      *Curriculum Studies Award*, National Association for Gifted Children, Curriculum Studies Network  
Project M<sup>2</sup>: Grade 2 Geometry unit, *Designing a Shape Gallery: Geometry with the Meerkats*. Gavin, M. K., Casa, T. M., Chapin, S. H., Sheffield, L. J., Firmender, J. M., & Osiecki, C.
- April 2010      *Joseph Renzulli and Sally Reis Renzulli Fund for Graduate Studies in Gifted Education Scholarship*  
Neag School of Education  
University of Connecticut
- July 2007      *Certificate of Achievement for Recognition of the Highest Three Summers Master's Program Performance on the 2007 Graduate Comprehensive Examination in Gifted and Talented Education*  
University of Connecticut
- August 2007      *Big Sister of the Year Award*  
Big Brothers/Big Sisters of Sussex County, New Jersey
- May 2002      *Sr. Noreen Mulherin Award*  
For Excellence in Elementary Education  
Misericordia University
- May 2002      *Mercy Charism Award*  
For reflecting the Religious Sisters of Mercy Charism of Mercy, as witnessed in Compassionate Service, Justice and Hospitality  
Misericordia University
- May 2001      *Misericordia University Service Award*

## **PROFESSIONAL MEMBERSHIPS**

### **National Association for Gifted Children**

Member of the following NAGC Networks:

- Science, Technology, Engineering, and Mathematics
- Research and Evaluation
- Computers and Technology

### **American Educational Research Association**

- Division Member – Division C, Learning and Instruction
- SIG Member – Research on Giftedness, Creativity and Talent

### **National Council for Teachers of Mathematics**

**Association of Mathematics Teacher Educators**

**Pennsylvania Association of Mathematics Teacher Educators**

**GIFTED EDUCATION PROGRAM EVALUATION**

2007-2008

Stratford Public Schools: Advanced Learning Program - Paul, K. A., Wilson, H. E., Cole, S. K., Rubenstein, L. M., & Firmender, J. M. (2009). *Evaluation of the Advanced Learning Program: ALP and Non-ALP Classroom Observations.*