

Xiaobo She

1 University Parkway,
University Park, IL 60484
(708) 534-4382
xshe@govst.edu

Education

- Ph. D. Curriculum and Instruction, Texas Tech University, 2011
Emphasis: Mathematics Education
Dissertation Advisor: Dr. Shirley M. Matteson
- M.A. Curriculum and Instruction, Texas Tech University, 2006
Emphasis: Mathematics Education at Elementary Level
- B.S. Major: Chemistry, Sichuan University, China 2002

Teaching Certification

Texas State Teacher Certificate – Mathematics (Grades 4-8)
Texas State Teacher Certificate – Mathematics (Grades 9-12)
Kentucky State Teacher Certificate – Mathematics Content (Grades 9-12)

Professional Appointments

- **Assistant Professor** (2012 – present)
Division of Education, College of Education, Governors State University
 - ELED 4463 Elementary Mathematics Teaching Methods (Fall 2012 – present)
 - ELED 4401 Lab II: The Teaching of Elementary Science, Mathematics, and Social Studies Methods (Fall 2012 – present)
 - MATH 2131 Mathematical Structures and Concepts I (Fall 2014)
 - MATH 2141 Mathematical Structures and Concepts II (Spring 2013, 2014)
 - LAS 4127 Investigations in Mathematics Thought (Spring 2014)
- **High School Mathematics Teacher** (2011 – 2012)
Shelby County High School, Shelbyville, KY
Taught Algebra II and AP Statistics courses
- **University Part-Time Instructor/Teaching Fellow** (2010 – 2011)
Division of Curriculum and Instruction, College of Education, Texas Tech University
 - Taught EDEL 4370 Elementary Mathematics Teaching Methods
 - Co-taught EDSE 4311 Curriculum Planning, Development, and Evaluation & EDSE 4320 Instructional Methods
- **University Course Supervisor** (2010 – 2011)
College of Education, Texas Tech University, Lubbock, TX

Supervised student field-based experience for courses **EDEL 4370, EDEL 4311/4320**

- **Research Assistant** (2008 – 2010)
College of Education, Texas Tech University, Lubbock, TX
Research Assistant for the MS² program (2009 – 2010)
Research Assistant for the GK-12 program (2008 – 2009)
- **Graduate Assistant** (2006 – 2008, 2010 - 2011)
College of Education, Texas Tech University, Lubbock, TX

Other Public School Related Experiences

- **Secondary-level Mathematics Instructor** for Upper Bound program (2011 summer)
- **Student Teaching at Middle School Level** (2007 – 2008)
Irons Middle School, Lubbock ISD, TX
- **Volunteer Tutor** (2006 - 2008, 2009 - 2010)
O. L. Slaton Middle School, Lubbock, TX
Cavazos Middle School, Lubbock, TX

Scholarly Activities

Funded Grants

\$170,000 – **She, X. (PI)**, Jiles, T. (PI). (2014-2017). *Multi-year Professional Development Trainings: Early Math Awareness through Modeling*. CME Group Foundation.

\$15,000 – **She, X. (PI)**, Jiles, T. (PI), Chang, L., & Cross, L. (2013-2014). *One-year Pilot Project EMAM: Early Math Awareness through Modeling*. CME Group Foundation.

\$500 – **She, X. (PI)**, Gutierrez, E. J., & Morrison, C. (2012-2013). *Promoting an Effective Mathematics Education for 3- to 6-year-old Children*. College of Education, GSU.

Refereed Publications

Wilhelm, J., Matteson, S., & **She, X** (2013). Investigating preservice teachers' understanding of balance concepts utilizing a clinical interview method and a virtual tool. *International Journal of Science and Mathematics Education*, 11(5), 1209-1231.

- She, X.**, Lan, W. Y., & Wilhelm, J. (2011). A comparative study on pedagogical content knowledge of mathematics teachers in China and the U.S. *Journal of New Waves-Educational Research & Development*, 35-49.
- James, V., **She, X.**, Wilhelm, J., & Casadonte, D. (2011). Dominant factors of self-efficacy and motivation of low performing minority high school students. *National FORUM of Special Education Journal*, 8(2), p. 6-20.
- Wilhelm, J., **She, X.**, & Morrison, D. C. (2011). Differences in math and science understanding between NSF GK-12 participant groups: A year-long study. *Journal of STEM Education*, 12(1&2), 25-38.
- Wilhelm, J., Matteson, S., & **She, X.** (2010). Assessing how pre-service teachers understand balance through clinical interviews and virtual tool. To appear in the Conference Proceedings of the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA – Columbus, Ohio).
- She, X.**, Wilhelm, J., & Clem, D. (2009). Interdisciplinary institutes as facilitators for the development of a GK-12 program. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching (NARST)*. – Garden Grove, CA.
- Dan, Y., **She, X.**, & Lan, W. Y. (2009). A comparative study of history interests between American and Chinese college students. *U.S.-China Education Review*, 6(12), 59-66.
- Clem, D., **She, X.**, & Wilhelm, J. (2009). Experiencing integration: Changes in one NSF GK-12 “Building Bridges” cohort. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching (NARST)*. – Garden Grove, CA.
- Wilhelm, J., Clem, D., & **She, X.** (2009). Graduate fellows and secondary teachers participate as learners in interdisciplinary institutes and classroom experiences. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching (NARST)* – Garden Grove, CA.

Manuscripts Submitted or In Progress

- She, X.**, & Matteson, S. (submitted). Exploring preservice teachers’ conceptual understanding of algebraic concepts. *International Journal of Science and Mathematics Education (IJSME)*.
- She, X.**, Matteson, S., Siwatu, O., & Wilhelm, J. (under revision). Investigating the effectiveness of interventions designed to deepen preservice teachers’ conceptual understanding of algebraic concepts. To be submitted to the *International Journal*

of Science and Mathematics Education (IJSME).

She, X., & Jiles, T. (in preparation). How a year-long professional development training program impacts pre-K teachers' self-efficacy beliefs.

She, X. (in preparation). The relationship between high school students' mathematical achievement and computational fluency.

International and National Conference Presentations

She, X., & Jiles, T. (Submitted). Impacts of a professional development model on enhancing preschool teachers' math awareness and teaching efficacy. *Paper submitted for the 2015 annual meeting of the American Education Research Association (AERA) – Chicago, Illinois.*

She, X., & Jiles, T. (2014). Impact of a professional development model to enhance Head Start teachers' math awareness & teaching efficacy. *Paper accepted for the 12th annual Focus on Illinois Education Research Symposium (FIERS) – Bloomington, IL.*

She, X. (2013). The relationship between high school students' mathematical achievement and computational fluency. *Paper accepted for the annual meeting of the American Education Research Association (AERA) – San Francisco, CA.*

Dan, Y., & **She, X.** (2013). Development and Evaluation of History Inventory for K-12 Students. *Paper accepted for the annual meeting of the American Education Research Association (AERA) – San Francisco, CA.*

She, X., Matteson, S., Siwatu, & Wilhelm, J. (2012, April). Exploring the effectiveness of interventions designed to deepen preservice teachers' conceptual understanding: mixed methods study. *Paper accepted to present at the Annual meeting of the American Educational Research Association (AERA) – Vancouver, Canada.*

Wilhelm, J., Matteson, S., & **She, X.** (2010, July). Understanding how pre-service teachers think about balance through clinical interviews and a virtual tool. *Paper presented at the 4th Annual International Conference on Mathematics & Statistics – Athens, Greece.*

She, X., Lan, W. Y., & Wilhelm, J. (2010, April). A comparative study on pedagogical content knowledge of mathematics teachers in china and the U.S. *Paper presented at the Annual meeting of the American Educational Research Association (AERA) – Denver, CO.*

Clem, D., **She, X.**, & Wilhelm, J. (2010, April). Changes experienced during year one of an NSF GK-12 program: A mixed methods study. *Paper presented at the Annual meeting of the American Educational Research Association (AERA) – Denver,*

CO.

Dan, Y., Lan, W. Y., & **She, X.** (2010, April). Development and evaluation of the history interest inventory (college students). *Paper presented at the Annual meeting of the American Educational Research Association (AERA)*. – Denver, CO.

She, X., Lan, W. Y., & Wilhelm, J. (2010, February). A comparative study on pedagogical content knowledge of mathematics teachers in China and the U.S. *Paper Presented at the Annual meeting of the Southwest Educational Research Association (SERA)* – New Orleans, LA.

She, X., Wilhelm, J., & Clem, D. (2009, April). Interdisciplinary institutes as facilitators for the development of a GK-12 program. *Paper presented at the annual meeting of the National Association of Research in Science Teaching (NARST)* – Garden Grove, CA.

Clem, D., **She, X.**, & Wilhelm, J. (2009). Experiencing integration: Changes in one NSF GK-12 “Building Bridges” cohort. *Paper presented at the annual meeting of the American Education Research Association (AERA)* – San Diego, CA.

Wilhelm, J., Clem, D., & **She, X.** (2009). Graduate fellows and secondary teachers participate as learners in interdisciplinary institutes and classroom experiences. *Paper presented at the annual meeting of the American Education Research Association (AERA)* – San Diego, CA.

Regional Conference Presentations

She, X. (2012). The relationship between high school students’ mathematical achievement and computational fluency. *Paper presented at the Inaugural Rapid Fire Research Event* (Governors State University, Illinois)

Valles, J., **She, X.**, and Wilhelm, J. (2010, March). How self-beliefs influence minority students’ success in high school: A mixed methods study. *Texas National Association of Multicultural Education*, University of North Texas, Denton, Texas.

Ganesh, B., & **She, X.** (2009). The perceptions of high school mathematics teachers about the use of technology in the teaching. Paper presented at the 6th annual research conference of Texas Tech University College of Education, Lubbock, TX.

Workshops

She, X. (2013, 2014, 2015). Using bar models – an effective strategy for solving word problems
Metropolitan Mathematics Club of Chicago, Chicago.

She, X., & Jiles, T. (September, 2013 – May, 2014). *Professional Development Trainings: Early Math Awareness through Modeling* (monthly trainings for Head Start programs at Blue Island and Robbins Sites)

Professional Memberships

- National Council of Teachers of Mathematics (NCTM)
- American Educational Research Association (AERA)
- National Council of Superiors of Mathematics (NCSM)
- American Association of Colleges for Teacher Education (AACTE)
- Kappa Delta Pi: International Honor Society in Education (KDP)
- Southwest Educational Research Association (SERA)

Honors and Awards

- Reviewer for American Educational Research Association 2014 Conference (2013)
- Recipient of Teaching Award for AP Statistics Course, \$2500 (2012)
- Recipient of Summer Dissertation/Thesis Research Award, \$2300 (2011)
- Reviewing papers for SERA Conference (2009)
- Recipient of Dean's Scholarship, Texas Tech University, \$2000 (2007)
- Discussion Presider for Division K at AERA Conference (2006)
- Recipient of Outstanding Service for Kappa Delta Pi Society, Texas Tech University chapter (2006)

Professional Training Certification

AP Statistics Summer Workshop (Texas A&M University) (2011)
AdvanceKentucky Mathematics Content-Focused Training for AP teachers (2011)
Certificate for Excellence in Mathematics Content Knowledge (Secondary Level) (ETS, 2012)
NCTM Regional Conference & Exposition, Chicago (2012)
Getting Started in the Scholarship of Teaching and Learning Workshop (2013)
Scholarship of Teaching and Learning (SoTL) Workshop (2013)
STEM Teaching Methods That Work On-line Workshop (2013)
Concept Paper Workshop – Pitching your research Ideas (2013)
Metropolitan Institution for Leadership in Education Seminars (2013)
Training: Danielson's 2011 Framework for Teaching Evaluation Instrument (2013)
Training for Social and Behavioral Responsible Conduct of Research (2013)
Training for Social/Behavioral Research (2013)
Training for Conflict of Interest (2014)