



Curriculum Vitae

YEPING LI

EDUCATION

Doctor of Philosophy (1999)

School of Education
Learning Research and Development Center
University of Pittsburgh, Pittsburgh, PA 15260
Program Area: Cognitive Studies in Education
Area of concentration: Mathematics Education

Minor: Quantitative Research Methodology

Master of Science (1991)

Department of Mathematics
Beijing Normal University, Beijing, China
Program Area: Mathematics Education

Bachelor of Science (1984)

Department of Mathematics
Hangzhou Normal University, Zhejiang, China
Program Area: Mathematics

EMPLOYMENT HISTORY

2011 – 2015, Head, Department of Teaching, Learning, and Culture, College of Education and Human Development, Texas A&M University, College Station, Texas.

2011 – 2015, Holder of the Claude H. Everett, Jr. Endowed Chair in Education, College of Education and Human Development, Texas A&M University, College Station, Texas.

2011 – present, Honorary Guest Professor, Southwest University, Chongqing, China.

2010 – present, Full Professor, Department of Teaching, Learning, and Culture, Texas A&M University, College Station, Texas.

2006 – 2010, Associate Professor, Department of Teaching, Learning, and Culture, Texas A&M University, College Station, Texas.

1999 – 2005, Assistant Professor, Department of Mathematics & Statistics, University of New Hampshire, Durham, New Hampshire.

1991-1992, Assistant Department Head for Teaching, Department of Mathematics, Beijing Normal University, Beijing, China.

1991-1992, Assistant Professor, Department of Mathematics, Beijing Normal University, Beijing, China.

1984-1988, Mathematics Teacher, YanZhou Secondary School, Zhejiang, China.

PROFESSIONAL LEADERSHIP - Conferences

- Lead organizer of workshop [2015]: *Mathematics Matters in Education (MME)* to honor Dr. Roger Howe (TIAS faculty fellow), Texas A&M University, College Station, TX; March 26-28, 2015. Workshop co-organizers include Deborah Loewenberg Ball, James Lewis, James Madden, and Yeping Li (lead).
- Co-organizer of workshop [2014]: *Mathematicians in Mathematics Education (MIME)*, at Texas A&M University, College Station, TX; March 16-18, 2014. Workshop co-organizers include William McCallum (chair), Yvonne Lai, Roger Howe, Yeping Li, Deborah Loewenberg Ball and Hyman Bass.
- Organizer and Chair of Research Symposium [2013]: *Mathematics Curriculum Design and Development in the East and West*, at the Research Pre-session of the annual meeting of National Council of Teachers of Mathematics (NCTM), Denver, CO; April 15-17, 2013. Symposium collaborators include Marja van den Heuvel-Panhuizen, Marc van Zanten, Judy Anderson, Ngan Hoe Lee, and Sharon L. Senk (discussant).
- Co-Chairs (Yeping Li & Gabriele Kaiser) of Research Forum [2012]: *Conceptualizing and Developing Expertise in Mathematics Instruction*, at the 36th annual conference of the International Group for the Psychology of Mathematics Education, Taipei, Taiwan; July 18 - 22, 2012. Research Forum speakers include Berinderjeet Kaur, Roza Leikin, Pi-jen Lin, JeongSuk Pang, João Pedro da Ponte, and Ruhama Even.
- Co-Chairs (Yeping Li & Hélia Oliveira) of *Topic Study Group 21: Research on Classroom Practice* [2012], at the 12th International Congress on Mathematical Education, Seoul, South Korea; July 8-15, 2012.
- Co-Organizer and Co-Chair, a three-day international seminar on mathematics education [2010] on *Mathematics Curriculum and Teacher – Policy and Practices in China and the United States*, with a group of leading mathematicians and mathematics educators from several major normal universities in China and mathematics educators from the United States (including members of US National Commission on Mathematics Instruction, and mathematics educators from several universities). (May 24-26, 2010, Shanghai, China). The seminar is co-organized by East China Normal University and Texas A&M University, and sponsored by East China Normal University, Shanghai, China.
- Organizer and Chair of Research Symposium [2010]: *Students' learning as structured experiences in Chinese and US classrooms*, at the Research Pre-session of the 88th annual meeting of National Council of Teachers of Mathematics (NCTM), San Diego, CA; April 19-21, 2010. Symposium collaborators include Rongjin Huang, Xi Chen, Tingting Ma, Ebrar Yetkiner, Melanie Woods, Rebecca Rowntree, Sunyoung Han, and Barbara Reys (discussant).
- Organizer and Chair of Research Symposium [2009]: *Transforming curriculum for constructing lesson instruction in China*, at the Research Pre-session of the 87th annual meeting of National Council of Teachers of Mathematics (NCTM), Washington, DC;

- April 20-22, 2009. Symposium collaborators include Xi Chen, Song An, Rongjin Huang, Irving Brown, and Glenda Lappan (discussant).
- Co-Chairs (Yeping Li & Gabriele Kaiser) of Research Forum [2008]: *Pursuing excellence in mathematics classroom instruction in East Asia*, at the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter, Morelia, Mexico; Thursday, July 17, 2008 - Monday, July 21, 2008. Research Forum speakers include Pi-jen Lin, Rongjin Huang, JeongSuk Pang, and Yoshinori Shimizu.
 - Co-Chairs (Janie Schielack & Yeping Li) of *Discussion Group 4: Reconceptualizing the mathematics curriculum* [2008], at the 11th International Congress on Mathematical Education, Monterrey, Mexico; July 6-13, 2008.
 - Organizer and Chair, a three-day *International Seminar on Mathematics Education* [2008] with a group of leading mathematicians and mathematics educators from several major normal universities in China (July 1-3, 2008, College Station, TX). The seminar is sponsored by TAMU College of Education and Human Development, College of Science, Department of Teaching, Learning, & Culture, and Department of Mathematics.
 - Organizer and Lead Speaker of Research Symposium [2008]: *Master mathematics teacher in China*, at the Research Pre-session of the 86th annual meeting of National Council of Teachers of Mathematics (NCTM), Salt Lake City, Utah; April 7-9, 2008. Symposium collaborators include Gerald Kulm (chair), Rongjin Huang, Jinfa Cai (discussant), and Edward A. Silver (discussant).
 - Organizer of Research Symposium [2008]: *Challenges in teaching large classes in China: Students' Behavior and Classroom Management*, at the annual meeting of American Educational Research Association (AERA), New York, NY; March 24-28, 2008. Symposium collaborators include Gerald Kulm (chair), Meixia Ding, Xiaobao Li, Rongjin Huang, and Shuhua An (discussant).
 - Co-Chairs (Yeping Li, JeongSuk Pang, & Rongjin Huang) of Discussion Group [2007]: *Master teachers in different system contexts*, at the annual meeting of the International Group for the Psychology of Mathematics Education, school mathematics for humanity education. July 8-13, 2007, Seoul, South Korea.
 - Co-Chair for the *Topic Study Group on Secondary Mathematics Curriculum*, at ICMI Regional Conference - The 3rd East Asia Regional Conference on Mathematics Education, Shanghai, China. [August 2005].
 - Co-Chairs (Yeping Li, & Karen Fuson) of Working Group [2003]: *The design and uses of curriculum materials*, at the joint meeting of 27th annual conference of the International Group for the Psychology of Mathematics Education and the 25th of the North American chapter. Hawaii, U.S.A. July 13-18, 2003.
 - Organizer and Chair of a Panel Discussion Session [2003]: *Mathematics for students in NH high schools and UNH*, at the 40th annual spring conference of New Hampshire of Teachers of Mathematics (NHTM), Manchester, NH. March 4, 2003. Panel members include Kelly Black, James Crawford, Sue Foye, John Geddes, Karen Graham, and G. Tagliaferro.

- Co-Chairs (Yeping Li, & Karen Fuson) of Working Group [2002]: *Curriculum material and its uses in teaching and learning mathematics*, at the Twenty-Fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Athens, Georgia, U.S.A. October 26-29, 2002.
- Organizer and Chair of Research Symposium [2001]: *Teaching pre-service mathematics teachers how to teach: Perspectives and approaches within and across education systems*, at the Research Pre-session of the 79th annual meeting of National Council of Teachers of Mathematics (NCTM), Orlando, FL. April 2-4, 2001. Symposium collaborators include T. Chong, H. Fong, Jane-Jane Lo, Randy Philipp, Wei Sun, and Glenda Lappan (discussant).
- Organizer of Discussion Group [2001]: *The quality and role of curriculum materials in mathematics education*, at the Twenty-Third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Snowbird, Utah, October 18-21, 2001.
- Co-Chairs (Yeping Li, & Tad Watanabe) of Discussion Group [2001]: *Culture and mathematical cognition*, at the Twenty-fifth annual meeting of the International Group for the Psychology of Mathematics Education. Utrecht, The Netherlands. July 12-17, 2001.
- Organizer and Chair of Research Symposium [2000]: *Cross-system examination and understanding of the perspectives and approaches for the professional preparation and development of mathematics teachers*, at the annual meeting of the American Educational Research Association (AERA), New Orleans, LA. April 24-28, 2000. Symposium collaborators include T. Chong, Y. Fang, Frederick Leung, Karen Graham, Pi-jen Lin, Edward Silver (discussant), and Lynn Paine (discussant).
- Executive secretary of *ICMI-China Regional Conference on Mathematical Education*, Beijing, P. R. of China. [August 5-8, 1991]
- Executive secretary of *Five-country Conference on Mathematical Education*, Beijing, P. R. of China. [August 1990]

PUBLICATIONS

Books (including edited journal special issues, and proceedings)

- Li, Y. & Hammer, J. (Eds.) (2015). *Teaching at Work*. Rotterdam, the Netherlands: Sense Publishers. (276 pages, this book contains 13 chapters contributed by 35 teacher educators from the United States.)
- Li, S. & Li, Y. (Eds.) (2015). *课程 • 教师 • 课堂 — 中美数学课程改革比较和研究 (Curriculum • Teacher • Classroom – Mathematics curriculum reform in China and the United States)*. Beijing: Beijing Normal University Press (257 pages, this book contains 13 chapters contributed by 29 mathematics educators from China and the United States.) (in Chinese).
- Li, Y., Silver, E. A., & Li, S. (Eds.) (2014). *Transforming mathematics instruction: Multiple approaches and practices*. Dordrecht: Springer. (586 pages, this book contains 25 chapters and four section prefaces contributed by 56 scholars from 10 educational systems.)

- Li, Y., & Lappan, G. (Eds.) (2014). *Mathematics curriculum in school education*. Dordrecht: Springer. (663 pages, this book contains 29 chapters and four section prefaces contributed by 56 scholars from 14 educational systems.)
- Li, Y., & Moschkovich, J. (Eds.) (2013). *Proficiency and beliefs in learning and teaching mathematics – learning from Alan Schoenfeld and Günter Törner*. Rotterdam, the Netherlands: Sense Publishers & Springer. (325 pages, this book contains 17 chapters contributed by 32 scholars from six education systems.)
- Li, Y., & Huang, R. (Eds.) (2012). *How Chinese teach mathematics and improve teaching*. New York: Routledge. (246 pages, this book contains 14 chapters and four prefaces contributed by 34 scholars from five education systems.)
- Li, Y., & Even, R. (Eds.) (2011). Approaches and practices in developing teachers' expertise in mathematics instruction. *ZDM – The International Journal on Mathematics Education*, 43(6-7), 759-1024.
- Li, Y., & Kaiser, G. (Eds.). (2011). *Expertise in mathematics instruction: An international perspective*. New York: Springer. (372 pages, this book contains 16 chapters contributed by 28 educational researchers, mathematics educators, and psychologists from 11 education systems.)
- Huang, R., & Li, Y. (Eds.). (2011). *数学课堂教学研究 (Research on mathematics classroom instruction)*. Shanghai, China: Shanghai Educational Publishing House. (203 pages, this book contains 9 chapters contributed by six mathematics educators from China and the United States.) (in Chinese)
- Li, Y., & Huan, Z. (Eds.). (2010). Mathematics education: perspectives and practices in the East and West. *Mathematics Bulletin – a journal for educators*, 49(Special Issue), 1-151.
- Leung, F. K. S., & Li, Y. (Eds.). (2010). *Reforms and issues in school mathematics in East Asia – Sharing and understanding mathematics education policies and practices*. Rotterdam, the Netherlands: Sense Publishers. (256 pages, this book contains 14 chapters contributed by 20 scholars in mathematics education from the U.S. and six high-achieving education systems in East Asia: Hong Kong, Mainland China, Japan, Singapore, South Korea, and Taiwan.)
- Li, Y., & Kulm, G. (Eds.) (2009). Curriculum research to improve mathematics teaching and learning: Practices and approaches in China and the United States. *ZDM – The International Journal on Mathematics Education*, 41(6), 709-832.
- Li, Y., & Shimizu, Y. (Eds.) (2009) Exemplary mathematics instruction and its development in East Asia. *ZDM – The International Journal on Mathematics Education*, 41(3), 257-395.
- Li, Y., & Lappan, G. (Eds.) (2002). Developing and improving mathematics teachers' competence: Practices and approaches across educational systems. A special issue of the *International Journal of Educational Research*, Volume 37, issue 2. 107-232.
- Li, Y. (Ed.) (2000). Understanding professional preparation and development of mathematics teachers in different education systems. A special issue of *The Mathematics Educator*, Volume 5, Number 1/2.
- Yan, S., Zhong, S., Ding, E., Cao, C., Sun, R., & Li, Y. (Eds.). (1991). *Proceedings of ICMI-China Regional Conference on Mathematical Education*, Vol. 1 & 2. Beijing, China. [August 5-8, 1991]

Selected Journal Articles

- Sokolowski, A., Li, Y., & Willson, V. (2015). The effects of using exploratory computerized environments in grades 1 to 8 mathematics: a meta-analysis of research. *International Journal of STEM Education*, 2:8. DOI 10.1186/s40594-015-0022-z
- Larke, P. J., Webb-Hasan, G. C., Jimarez, T., & Li, Y. (2014). Analysis of Texas achievement data for elementary African American and Latino Females. *Journal of Case Studies in Education*, <http://www.aabri.com/jcse.html>
- Huang, R., Li, Y., Kulm, G., & Willson, V. (2014). Relationships between teaching professional rank, course taking, teaching experience and knowledge of algebra for teaching. *Research in Mathematical Education*, 18(2), 129-149.
- Huang, R., & Li, Y. (2012). What matters most: A comparison of Chinese expert and novice teachers' noticing of mathematics classroom events. *School Science and Mathematics*, 112(7), 420-432.
- Li, Y. (2012). Mathematics teacher preparation examined in an international context: learning from the Teacher Education and Development Study in Mathematics (TEDS-M) and beyond. *ZDM-The International Journal on Mathematics Education*, 44, 367-370.
- Huang, X., Li, S., & Li, Y. (2012). An investigation of pre-service secondary mathematics teachers' knowledge and confidence. *Taiwan Journal of Mathematics Teachers*, No 31, 17-36. (in Chinese)
- Hao, H., Rackley, R., & Li, Y. (2012). Fostering children's mathematical thinking in reform-oriented kindergarten classroom in Shanghai. *Far East Journal of Mathematical Education*, 8(1), 51-83.
- Li, Y., & Even, R. (2011). Approaches and practices in developing teachers' expertise in mathematics instruction: An introduction. *ZDM-The International Journal on Mathematics Education*, 43, 759-762.
- Li, Y. (2011). Elementary teachers' thinking about a good mathematics lesson. *International Journal of Science and Mathematics Education*, 9, 949-973.
- Huang, R., Li, Y., Zhang, J., & Li, X. (2011). Improving teachers' expertise in mathematics instruction through exemplary lesson development. *ZDM-The International Journal on Mathematics Education*, 43, 805-817.
- Li, Y., Tang, C., & Gong, Z. (2011). Improving teacher expertise through master teacher workstations: a case study. *ZDM-The International Journal on Mathematics Education*, 43, 763-776.
- Huang, R., Kulm, G., Li, Y., Smith, D., & Bao, J. (2011). Impact of video case studies on elementary mathematics teachers' ways of evaluating lessons: An exploratory study. *The Mathematics Educator*, 13(1), 32-51.
- Li, Y., & Qi, C. (2011). Online study collaboration to improve teachers' expertise in instructional design in mathematics. *ZDM-The International Journal on Mathematics Education*, 43, 833-845.

- Huang, R., Li, Y., & He, X. (2010). What constitutes effective mathematics instruction: A comparison of Chinese expert and novice teachers' views. *Canadian Journal of Science, Mathematics, and Technology Education*, 10, 293-306.
- Ding, M., Li, Y., Li, X., & Kulm, G. (2010). Chinese teachers' attributions and coping strategies for student classroom misbehaviour. *Asia Pacific Journal of Education*, 30, 321-337.
- Chen, X., & Li, Y. (2010). Instructional coherence in Chinese mathematics classroom – a case study of lessons on fraction division. *International Journal of Science and Mathematics Education*, 8, 711-735.
- Li, Y. (2010). What teachers need to know more in mathematics than students: With a focus on conceptual knowledge for teaching fraction division. *Mathematics Bulletin – a journal for educators*, 49(special issue), 39-43.
- Zhao, D., Ma, Y., Li, Y., & Xie, S. (2010). Prospective elementary mathematics teachers' knowledge in mathematics and pedagogy for teaching: With a focus on fraction division. *Journal of Mathematics Education*, 19(4), 44-48.
- Zhang, X. & Li, Y. (2010). The development of Chinese student computation skills in the context of school mathematics reform. *Mathematics Bulletin – a journal for educators*, 49(special issue), 115-123.
- Ma, Y., Zhao, D., & Li, Y. (2010). Mathematics curriculum reform in nine-year compulsory education in the Chinese Mainland: Progress and issues. *Mathematics Bulletin – a journal for educators*, 49(special issue), 53-63.
- Fuson, K., & Li, Y. (2009). Cross-cultural issues in linguistic, visual-quantitative, and written-numeric supports for mathematical thinking. *ZDM-The International Journal on Mathematics Education*, 41, 793-808.
- Huang, R., & Li, Y. (2009). Pursuing excellence in mathematics classroom instruction through exemplary lesson development in China: A case study. *ZDM-The International Journal on Mathematics Education*, 41, 297-309.
- Huang, R., & Li, Y. (2009, January). Learning from LPS studies on videotaped mathematics classroom instruction. *Journal of Zhejiang Education Institute*, 2009(1), 45-52. (in Chinese)
- Kulm, G., & Li, Y. (2009). Curriculum research to improve teaching and learning: national and cross-national studies. *ZDM-The International Journal on Mathematics Education*, 41, 709-715.
- Li, Y., Chen, X., & An, S. (2009) Conceptualizing and organizing content for teaching and learning in selected Chinese, Japanese and U.S. mathematics textbooks: The case of fraction division. *ZDM-The International Journal on Mathematics Education*, 41, 809-826.
- Li, Y., Chen, X., & Kulm, G. (2009). Mathematics teachers' practices and thinking in lesson plan development: a case of teaching fraction division. *ZDM-The International Journal on Mathematics Education*, 41, 717-731.

- Li, Y., & Huang, R. (2009, January). Examining and understanding prospective mathematics teacher preparation in China from an international perspective. *Journal of Zhejiang Education Institute*, 2009(1), 37-44. (in Chinese)
- Li, Y., & Li, J. (2009). Mathematics classroom instruction excellence through the platform of teaching contests. *ZDM-The International Journal on Mathematics Education*, 41, 263-277.
- Li, Y., Li, X., & Ding, M. (2009). Does class size reduction necessarily lead to student achievement improvement? *For the Learning of Mathematics: An international journal of mathematics education*, 29(1), 26-27.
- Li, Y., & Shimizu, Y. (2009). Exemplary mathematics instruction and its development in selected education systems in East Asia. *ZDM-The International Journal on Mathematics Education*, 41, 257-262.
- Li, Y., Zhang, J., & Ma, T. (2009). Approaches and practices in developing mathematics textbooks in China. *ZDM-The International Journal on Mathematics Education*, 41, 733-748.
- Lin, P., & Li, Y. (2009). Searching for good mathematics instruction at primary school level valued in Taiwan. *ZDM-The International Journal on Mathematics Education*, 41, 363-378.
- Chen, X., & Li, Y. (2008). Language proficiency and mathematics learning. *School Science and Mathematics*, 108, 90-93.
- Ding, M., Li, Y., Li, X., & Kulm, G. (2008). Chinese teachers' perceptions of students' classroom misbehavior. *Educational Psychology*, 28, 305-324.
- Huang, R., & Li, Y. (2008). Challenges and opportunities for in-service mathematics teacher professional development in China. *Journal of Mathematics Education*, 17(3), 32-38.
- Li, X., & Li, Y. (2008). Research on students' misconceptions to improve teaching and learning in school mathematics and science. *School Science and Mathematics*, 108, 4-7.
- Li, Y. (2008). What do students need to learn about division of fractions? *Mathematics Teaching in the Middle School*, 13, 546-552.
- Li, Y. (2008). Mathematical preparation of elementary school teachers: Generalists versus content specialists. *School Science and Mathematics*, 108, 169-172.
- Li, Y., & Huang, R. (2008). Chinese elementary mathematics teachers' knowledge in mathematics and pedagogy for teaching: The case of fraction division. *ZDM - The International Journal on Mathematics Education*, 40, 845-859.
- Li, Y., & Kulm, G. (2008). Knowledge and confidence of pre-service mathematics teacher: The case of fraction division. *ZDM - The International Journal on Mathematics Education*, 40, 833-843.
- Li, Y., Zhao, D., Huang, R., & Ma, Y. (2008). Mathematical preparation of elementary teachers in China: Changes and issues. *Journal of Mathematics Teacher Education*, 11, 417-430.

- Ma, T., Huang, R., & Li, Y. (2008). A guide to mathematics education based on “the best available scientific research”. *Curriculum, Teaching Material and Method*, 28(8), 81-86.
- Ma, Y., Xie, S., Zhao, D., & Li, Y. (2008). Research on elementary teacher preparation model in four-year undergraduate programs. *Journal of Higher Education*, 29(4), 73-78. (in Chinese)
- Pang, J. & Li, Y. (2008). An analysis on the prospective elementary teachers’ knowledge in the case of division of fractions. *Mathematical Education* (Journal of the Korea Society of Mathematical Education, Series A). 47, 299-320. (in Korean)

Selected Book Chapters

- Li, Y. & Hammer, J. (2015). Teaching at work: Innovating and sharing teaching approaches and practices to advance teacher preparation. In Y. Li & J. Hammer (Eds.), *Teaching at work*. (pp. 3-8). Rotterdam, the Netherlands: Sense Publishers.
- Ding, M., Li, X., Li, Y., & Gu, J. (2015). Specialized content knowledge for teaching beyond rule: The case of transforming equivalent fractions. In S. Li & Y. Li (Eds.). *Curriculum • Teacher • Classroom Instruction – Mathematics curriculum reform in China and the United States*. (pp. 44-61). Beijing: Beijing Normal University Press. (in Chinese)
- Han, X., & Li, Y. (2015). Selected approaches to professional development of mathematics teachers in the United States. In S. Li & Y. Li (Eds.). *Curriculum • Teacher • Classroom Instruction – Mathematics curriculum reform in China and the United States*. (pp. 116-130). Beijing: Beijing Normal University Press. (in Chinese)
- Li, Y. & Ma, T. (2015). Curriculum standards and textbooks as intended curriculum to structure students’ mathematics learning in China and the United States. In S. Li & Y. Li (Eds.). *Curriculum • Teacher • Classroom Instruction – Mathematics curriculum reform in China and the United States*. (pp. 3-19). Beijing: Beijing Normal University Press. (in Chinese)
- Zhang, N., & Li, Y. (2015). Examining mathematics classroom instruction with the implementation of new curriculum. In S. Li & Y. Li (Eds.). *Curriculum • Teacher • Classroom Instruction – Mathematics curriculum reform in China and the United States*. (pp. 244-260). Beijing: Beijing Normal University Press. (in Chinese)
- Li, Y., Silver, E. A., & Li, S. (2014). Transforming mathematics instruction: What do we know and what can we learn from existing approaches and practices? In Y. Li, E. A. Silver, & S. Li (Eds.) *Transforming mathematics instruction: multiple approaches and practices*. (pp. 1-12). Cham, Switzerland: Springer.
- Huang, R. & Li, Y. (2014). Improving mathematics classroom instruction through exemplary lesson development: A Chinese approach. In Y. Li, E. A. Silver, & S. Li (Eds.) *Transforming mathematics instruction: multiple approaches and practices*. (pp. 231-252). Cham, Switzerland: Springer.
- Li, Y. & Li, J. (2014). Pursuing mathematics classroom instruction excellence through teaching contests. In Y. Li, E. A. Silver, & S. Li (Eds.) *Transforming mathematics instruction: multiple approaches and practices*. (pp. 383-406). Cham, Switzerland: Springer.

- Huang, R., & Li, Y. (2014). Promoting mathematical understanding: An examination of algebra instruction in Chinese and U.S. classrooms. In F. K. S. Leung, K. Park, D. Holton & D. Clarke (Eds.), *Algebra teaching around the world* (pp. 213-232). Rotterdam, the Netherlands: Sense.
- Li, Y. (2014). Learning about and improving teacher preparation for teaching mathematics from an international perspective. In S. Blömeke, F.-J. Hsieh, G. Kaiser & W. H. Schmidt (Eds.). *International perspectives on teacher knowledge, beliefs and opportunities to learn*. (pp. 49-57). Dordrecht: Springer.
- Fuson, K. & Li, Y. (2014). Learning paths and learning supports for conceptual addition and subtraction in the US Common Core State Standards and in the Chinese standards. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 541-558). Dordrecht: Springer.
- Li, Y., Zhang, J., & Ma, T. (2014). School mathematics textbook design and development practices in China. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 305-326). Dordrecht: Springer.
- Huang, R., Ozel, Z. E. Y., Li, Y. & Osborne, R. V. (2014). Does classroom instruction stick to textbooks? - A case study of fraction division. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 443-464). Dordrecht: Springer.
- Li, Y., & Lappan, G. (2014). Mathematics curriculum in school education: Advancing research and practices from an international perspective. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 3-12). Dordrecht: Springer.
- Lappan, G., & Li, Y. (2014). Preface to part II. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 75-77). Dordrecht: Springer.
- Li, Y., & Lappan, G. (2014). Preface to part III: Learning and sharing of best practices in curriculum development. In Y. Li & G. Lappan (Eds.) *Mathematics curriculum in school education*. (pp. 179-181). Dordrecht: Springer.
- Li, Y., & Moschkovich, J. N. (2013). Proficiency and beliefs in learning and teaching mathematics: An introduction. In Y. Li & J. Moschkovich (Eds.). *Proficiency and beliefs in learning and teaching mathematics – learning from Alan Schoenfeld and Günter Törner*. (pp. 3-7). Rotterdam, the Netherlands: Sense.
- Burkhardt, H., & Li, Y. (2013). About Alan H. Schoenfeld and his work. In Y. Li & J. Moschkovich (Eds.). *Proficiency and beliefs in learning and teaching mathematics – learning from Alan Schoenfeld and Günter Törner*. (pp. 9-18). Rotterdam, the Netherlands: Sense.
- Brungs, H. H., & Li, Y. (2013). About Günter Törner and his work. In Y. Li & J. Moschkovich (Eds.). *Proficiency and beliefs in learning and teaching mathematics – learning from Alan Schoenfeld and Günter Törner*. (pp. 19-29). Rotterdam, the Netherlands: Sense.
- Li, Y., & Huang, R. (2012). Introduction. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 3-10). New York: Routledge.
- Ding, M., Li, Y., Li, X., & Gu, J. (2012). Knowing and understanding instructional mathematics content through intensive studies of textbooks. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 66-82). New York: Routledge.

- Li, Y., Qi, C., & Wang, R. (2012). Lesson planning through collaborations for improving classroom instruction and teacher expertise. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 83-97). New York: Routledge.
- Li, J., & Li, Y. (2012). The teaching contest as a professional development activity to promote classroom instruction excellence in China. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 204-220). New York: Routledge.
- Huang, R., Li, Y., & Su, H. (2012). Improving mathematics instruction through exemplary lesson development in China. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 186-203). New York: Routledge.
- Shao, G., Fan, Y., Huang, R., Ding, E., & Li, Y. (2012). Mathematics classroom instruction in China viewed from a historical perspective. In Y. Li & R. Huang (Eds.), *How Chinese teach mathematics and improve teaching*. (pp. 11-28). New York: Routledge.
- Kaiser, G. & Li, Y. (2011). Reflections and future prospects. In Y. Li & G. Kaiser (Eds.), *Expertise in mathematics instruction: An international perspective*. (pp. 343-353). New York: Springer.
- Li, Y., Huang, R., & Yang, Y. (2011). Characterizing expert teaching in school mathematics in China – A prototype of expertise in teaching mathematics. In Y. Li & G. Kaiser (Eds.), *Expertise in mathematics instruction: An international perspective*. (pp. 167-195). New York: Springer.
- Li, Y. & Kaiser, G. (2011). Expertise in mathematics instruction: Advancing research and practices from an international perspective. In Y. Li & G. Kaiser (Eds.), *Expertise in mathematics instruction: An international perspective*. (pp. 3-15). New York: Springer.
- Lin, P., & Li, Y. (2011). Expertise of mathematics teaching valued in Taiwanese classrooms. In Y. Li & G. Kaiser (Eds.), *Expertise in mathematics instruction: An international perspective*. (pp. 263-291). New York: Springer.
- Li, Y., Huang, R., Bao, J., & Fan, Y. (2011). Facilitating mathematics teachers' professional development through ranking and promotion in Mainland China. In N. Bednarz, D. Fiorentini, & R. Huang (Eds.). *The professional development of mathematics teachers: Experiences and approaches developed in different countries*. (pp. 72 - 85). Ottawa, Canada: University of Ottawa Press.
- Huang, R., & Li, Y. (2011). Overview of research on mathematics classroom instruction. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 7-21). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)
- Huang, R., & Li, Y. (2011). Research on algebra instruction and case analysis. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 111-136). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)
- Li, Y. & Huang, R. (2011). Research on mathematics classroom instruction: An introduction. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 1-6). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)

- Huang, R., & Li, Y. (2011). Research on geometry instruction and case analysis. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 137-163). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)
- Huang, R., Li, Y., & Huang, X. (2011). Recent development in research on mathematics classroom instruction. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 23-53). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)
- Li, Y. & Huang, R. (2011). Research on mathematics classroom instruction: Where we are now and what we want to know more. In R. Huang & Y. Li (Eds.) *Research on mathematics classroom instruction*. (pp. 187-203). Shanghai, China: Shanghai Educational Publishing House. (in Chinese)
- Leung, F. K. S. & Li, Y. (2010). Sharing and understanding mathematics education policies and practices in East Asia: An introduction. In F. K. S. Leung, & Y. Li, (Eds.), *Reforms and issues in school mathematics in East Asia – Sharing and understanding mathematics education policies and practices*. (pp. 1-8). Rotterdam, the Netherlands: Sense Publishers.
- Huang, R., Peng, S., Wang, L., & Li, Y. (2010). Secondary mathematics teacher professional development in China. In F. K. S. Leung, & Y. Li, (Eds.), *Reforms and issues in school mathematics in East Asia – Sharing and understanding mathematics education policies and practices*. (pp. 129-152). Rotterdam, the Netherlands: Sense Publishers.
- Li, Y. & Leung, F. K. S. (2010). Practices and changes in mathematics curriculum and teacher education in selected education systems in East Asia: What can we learn? In F. K. S. Leung, & Y. Li, (Eds.), *Reforms and issues in school mathematics in East Asia – Sharing and understanding mathematics education policies and practices*. (pp. 233-244). Rotterdam, the Netherlands: Sense Publishers.
- Liu, J. & Li, Y. (2010). Mathematics curriculum reform in the Chinese mainland: Changes and challenges. In F. K. S. Leung, & Y. Li, (Eds.), *Reforms and issues in school mathematics in East Asia – Sharing and understanding mathematics education policies and practices*. (pp. 9-31). Rotterdam, the Netherlands: Sense Publishers.
- Huang, R., & Li, Y. (2009). Examining the nature of effective teaching through master teachers' lesson evaluation in China. In J. Cai, G. Kaiser, B. Perry, & N.-Y. Wong (Eds.), *Effective mathematics teaching from teachers' perspectives: National and cross-national studies*. (pp. 163-181). Rotterdam, The Netherlands: Sense Publishers.
- Li., Y., Kulm, G., Huang, R., & Ding, M. (2009). On the quality of mathematics lesson: Do elementary mathematics teachers have similar views as students and their school? In J. Cai, G. Kaiser, B. Perry, & N.-Y. Wong (Eds.), *Effective mathematics teaching from teachers' perspectives: National and cross-national studies*. (pp. 217-234). Rotterdam, The Netherlands: Sense Publishers.
- Li, Y. (2008) Transforming curriculum from intended to implemented: What teachers need to do and what they learned in the United States and China. In Z. Usiskin, & E. Willmore (Eds.), *Mathematics curriculum in Pacific Rim countries: China, Japan, Korea, and Singapore*. (pp. 183-195). Charlotte, NC: Information Age Publishing.

- Li, Y., Ma, Y., & Pang, J. (2008). Mathematical preparation of prospective elementary teachers. In P. Sullivan & T. Wood (Eds.), *International handbook of mathematics teacher education: Knowledge and beliefs in mathematics teaching and teaching development*. (pp. 37-62). Rotterdam, The Netherlands: Sense.

Selected Articles Published in Refereed Conference Proceedings

- Li, Y. & Oliveira, H. (2015). Research on classroom practice. In S. J. Cho (Ed.), *The Proceedings of the 12th International Congress on Mathematical Education*, pp. 489-496. Cham, Switzerland: Springer.
- Li, Y. & Kaiser, G. (with R. Even, B. Kaur, R. Leikin, P. Lin, J. Pang, & J. Ponte) (2012). Conceptualizing and developing expertise in mathematics instruction. In Tso, T. Y. (Ed.), *Proceedings of the 36th Conference of the International Group for the Psychology of Mathematics Education*, Vol. 1, pp. 121-148. Taipei, Taiwan: PME.
- Li, Y., & Zhang, X. (2010). Computational performance among sixth-grade students in China: School mathematics reform, school locations, and ethnicity. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 464-471). Columbus, OH: The Ohio State University.
- Huang, R., Li, Y., & Ma, T. (2010). Developing and mastering knowledge through teaching with variations: A case study of teaching fraction division. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1047-1054). Columbus, OH: The Ohio State University.
- Li, Y., Pang, J., & Ma, Y. (2010). Knowledge and confidence of prospective elementary teachers in China and South Korea. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1166-1173). Columbus, OH: The Ohio State University.
- Huang, R., Li, Y., Kulm, G., & Willson, V. (2010). The relationships among professional ranks, teaching experience, course taking, and teachers' knowledge for teaching algebra. In P. Brosnan, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the 32nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1112-1120). Columbus, OH: The Ohio State University.
- Zhang, X., & Li, Y. (2010). Chinese student computation skills in the context of school mathematics reform. In Y. Shimizu, Y. Sekiguchi, & K. Hino (Eds.), *Proceedings of The 5th East Asia Regional Conference on Mathematics Education: In search of excellence in mathematics education*. (pp. 356-363). Tokyo: Japan Society of Mathematical Education.
- Huang, R., Chen, X.-M., Li, Y., & Zhang, J. (2010). Chinese high school teachers' knowledge for teaching algebra: An exploratory study. In Y. Shimizu, Y. Sekiguchi, & K. Hino (Eds.), *Proceedings of The 5th East Asia Regional Conference on Mathematics Education: In search of excellence in mathematics education*. (pp. 707-714). Tokyo: Japan Society of Mathematical Education.

- Li, Y. (2009). U.S. and Chinese teachers' practices and thinking in constructing curriculum for teaching. 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. 911-919). Athens, GA: Georgia State University.
- Huang, R., & Li, Y. (2008) *Developing exemplary lessons to pursue mathematics classroom instruction excellence in China*. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepúlveda (Eds.), *Proceedings of the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter*, Vol. 1, pp. 179-183. Morelia, Mexico: PME.
- Li, Y. (2008). *Research on the quality of mathematics classroom instruction: An overview*. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepúlveda (Eds.), *Proceedings of the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter*, Vol. 1, pp. 157-160. Morelia, Mexico: PME.
- Li, Y., & Huang, R. (2008). Developing mathematics teachers' expertise with apprenticeship practices and professional promotion system as contexts. In L. D. Miller & S. R. Saunders (Eds.), *Proceedings of U.S.-Sino Workshop on Mathematics and Science Education*. (pp. 68-73). TN: Middle Tennessee State University.
- Li, Y., Huang, R., & Tang, C. (2008). *Elementary teachers' knowledge in mathematics and pedagogy for teaching*. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepúlveda (Eds.), *Proceedings of the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter*, Vol. 1, p. 287. Morelia, Mexico: PME.
- Li, Y., & Kaiser, G. (2008). RF: Pursuing excellence in mathematics classroom instruction in East Asia. In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepúlveda (Eds.), *Proceedings of the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter*, Vol. 1, pp. 155-188. Morelia, Mexico: PME.
- Fan, L., Turnau, S., Dole, S., Gelfman, E., & Li, Y. (2008). DG 14: Focus on the development and research of mathematics textbooks. In M. Niss (Ed.). *Proceedings of the 10th International Congress on Mathematical Education*, pp. 485-489. Denmark: Roskilde University.

RESEARCH/TRAINING/OUTREACH FUNDING

- *Advanced Professional Training Program for High School Information Technology Teachers from China*. A training program for 24 teacher participants funded by Hangzhou Education Bureau in China. October 1, 2015 – December 31, 2015. (PI and Director).
- *A Collaborative Training Program for Graduate Students from Ocean University of China (OUC)*. A training program for 5 graduate students from OUC. August 1, 2015 – December 31, 2015. (PI and Director).
- *Evaluation of Reasoning Mind Programming*. Funded by Texas Education Agency & Reasoning Minds. June 1, 2014 – November 30, 2015. (Co-PI with Hersh Waxman (PI))

- and Jackie Stillisano).
- *Advanced Professional Training Program for High School English Teachers from China.* A training program for 25 teacher participants funded by Hangzhou Education Bureau in China. May 1, 2014 – October 30, 2014. (PI and Co-director with Douglas Palmer).
 - *Advanced Professional Training Program for High School English Teachers from China.* A training program for 24 teacher participants funded by Hangzhou Education Bureau in China. May 1, 2013 – October 30, 2013. (PI and Co-director with Douglas Palmer).
 - *Advanced Professional Training Program for High School English Teachers from China.* A training program for 19 teacher participants funded by Hangzhou Education Bureau in China. May 1, 2012 – October 30, 2012. (PI and Co-director with Douglas Palmer).
 - *Project: Cultivating Hispanics and African Americans' Reading, Math, Science (CHARMS) in Elementary Schools for Girls Conference.* A conference grant funded by the National Science Foundation DR K-12 program. January 1, 2011 – August 31, 2014. (Co-PI with Patricia J. Larke (PI), Gwen Webb-Hassan, and Teresa Jimarez).
 - *Pathways to the Doctoral Program,* a fellowship grant to support a graduate fellow to study in the PhD program at TAMU. September 1, 2010 – August 30, 2012. (Co-PI with Patricia J. Larke).
 - *Investigating U.S. and Chinese Mathematics Teacher Planning, Teaching Performance, and Student Achievement: The Case of Division of Fractions,* a research project funded by the Spencer Foundation. December 1, 2005 – November 30, 2007. (PI).
 - *Mathematics TEKS Connections,* funded by Texas Education Agency. August 2005 – July 2007. (consultant and faculty researcher, PI: Dennie Smith).
 - *Making the Transition from High School to College,* a multi-institution research and professional development integration project funded by NH State Department of Education MSP program, 2005-2006. (UNH coordinator with Richard Evans (PI), Fernand Prevost, Jack Barry, Brian Beaudrie, Beverly Ferrucci, Joseph Witkowski, Eileen Phillips, and William Simonton).
 - *UNH Middle School Mathematics Partnership: Systemic Professional Development for Improvement of Middle School Mathematics,* a professional development project funded by NH State Department of Education MSP program. 2004-2005. (Co-PI with Karen Graham, William Geeslin, and Sonia Hristovitch).
 - *Enriching Undergraduate Students' Education through Communicating Their Own Learning/Research Experience in Mathematics, Science, and Engineering with High School Students: A Pilot Program,* funded by UNH Vice President for Research and Public Service discretionary research award competition. 2003-2004. (Project Director with Sharon Meeker, Subhash Minocha, and Frank Windsor).
 - *Enhance Communications between UNH and NH High Schools,* an outreach project funded by NH State Department of Education and UNH College of Engineering and Physical Sciences. 2002-2004. (Project Director with Karen Graham, Kelly Black, and John Geddes).
 - *A Cross-System Study of Eighth-Grade Mathematics Textbooks and Their Impact on Classroom Instruction in the United States and Mainland China,* a research grant

- awarded from UNH Vice President for Research and Public Service Discretionary Research Award competition. 2002-2003. (PI).
- A supporting grant funded by PME-NA for Yeping Li and Karen Fuson to support research working group, 2002-2003.
 - *A University-wide Symposium on Teaching and Learning*, an academic enrichment project that was funded by the Class of 1954 and Class of 1964 for Academic Enrichment Funds and the Graduate School, UNH. 2001-2005. (PI collaborated with Albert B. Bennett Jr., Casey D. Cobb, Elizabeth A. Finkel, William E. Geeslin, Karen J. Graham, Marc D. Hiller, Mary Jane Moran, Jennifer Selwyn, and Barbara Prudhomme White).
 - *Exploring Mathematics Teacher Preparation Programs in Selected Institutions in Mainland China and Hong Kong*, an international research grant awarded from UNH Faculty International Development Grants. 2001-2002. (PI).
 - *A Lecture Series in Mathematics and Science Education*, an academic enrichment project for developing the first lecture series on Math and Science Education that was funded by the Class of 1954 and Class of 1964 for Academic Enrichment Funds, UNH. 2001-2002. (PI collaborated with Michael D. Andrew, Christopher Bauer, Albert B. Bennett Jr., William E. Geeslin, Karen J. Graham, Sharon Nodie Oja, Judith Robb, and Barry Rock).
 - *A Cross-system Examination of How Eighth-Grade Mathematics Textbooks Teach Algebra in the United States, Hong Kong, Mainland China, and Singapore*, a summer faculty research fellowship awarded from the Graduate School, University of New Hampshire. Summer 2000. (PI).
 - *Integrating and Connecting Probability and Statistics within the K-8 Curricula*, funded by NH State Department of Education Eisenhower Program. 2000-2001. (Co-PI with William E. Geeslin (PI)).
 - A dissertation research grant awarded by the School of Education Research Funds, University of Pittsburgh, Pittsburgh, PA. 1998-1999. (PI).

SELECTED CONFERENCE AND SYMPOSIA PRESENTATIONS (since 2008)

- Li, Y. (2015). *Teachers' mathematics knowledge for teaching: With a focus on fraction division*. Graduate School of Math & Science Education, National Chiayi University, Taiwan; December 10, 2015. (invited)
- Li, Y. (2015). *Classroom and instructional design to enhance teaching and learning*. College of Education, Central China Normal University, Wuhan, China; December 2, 2015. (invited)
- Li, Y. (2015). *Changes and challenges in mathematics teacher preparation*. College of Mathematics and Sciences, Shanghai Normal University, Shanghai, China; November 30, 2015. (invited)
- Li, Y. (2015). *The flipped classroom and flipped learning*. Faculty of Education, Beijing Normal University, Beijing, China; July 7, 2015. (invited)
- Li, Y. (2015). *Inquiry-based, Project-based, and Problem-based Learning and Teaching in Mathematics*. Faculty of Education, Beijing Normal University, Beijing, China; July 7, 2015. (invited)

- Li, Y. (2015). *Supporting students' learning of mathematics with a focus on connections within and across mathematical topics*. Talk given at Department of Mathematics and Information Education, National Taipei University of Education, Taipei, Taiwan; May 27, 2015. (invited)
- Li, Y. (2015). *Using "habits of mind" problems to develop reasoning mind*. Keynote talk given at the Symposium of "2015 East Meets West in Mathematics Lessons" (invited by the Discipline of Mathematics Education, Ministry of Science and Technology of Taiwan), Graduate Institute of Mathematics and Science Education, National Hsinchu University of Education, Hsinchu, Taiwan; May 26, 2015. (invited)
- Li, Y. (2015). *Helping students learn mathematics through "looking back"*. Keynote talk given at the 7th International Conference on Technology and Mathematics Education (invited by the Discipline of Mathematics Education, Ministry of Science and Technology of Taiwan), National Taichung University of Education, Taichung, Taiwan; May 23, 2015. (invited)
- Li, Y. (2015). *Meet Journal Editors: Journal Talk 2 (invited roundtable)*. American Educational Research Association (AERA) annual meeting, Chicago, IL; April 17, 2015.
- Li, Y. (2014). *Students' early mathematics learning: Issues in linguistic, conceptual and curricular supports*. Talk given at the Department of Mathematics, Texas State University, San Marcos, Texas, US; November 21, 2014. (invited)
- Li, Y. (2014). *Transforming Mathematics Instruction – Multiple approaches and practices*. Talk given at National Center for School Curriculum and Textbook Development, Beijing Normal University, Beijing, China; June 17, 2014. (invited)
- Li, Y. (2014). *Meet Journal Editors: Journal Talk 6 (invited roundtable)*. American Educational Research Association (AERA) annual meeting, Philadelphia, PA; April 6, 2014.
- Li, Y., Zhang, J., & Ma, T. (2013). *School mathematics textbook design and development practices in China*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Denver, CO; April 15-17, 2013.
- Li, Y., Qi, C., & Wang, R. (2013). *Lesson planning through collaborations for improving classroom instruction and teacher expertise*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Denver, CO; April 15-17, 2013.
- Ding, M., Li, Y., Li, X., & Gu, J. (2013). *Knowing and understanding instructional mathematics content through intensive studies of textbooks*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Denver, CO; April 15-17, 2013.
- Shao, G., Fan, Y., Huang, R., Ding, E., & Li, Y. (2013). *Mathematics classroom instruction in China viewed from a historical perspective*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Denver, CO; April 15-17, 2013.
- Li, Y. (2012). *What teachers need to know more in mathematics than students: with a focus on conceptual knowledge for teaching fraction division*. Talk given at Graduate Institute of Mathematics and Science Education, National Hsinchu University of Education, Hsinchu, Taiwan; July 17, 2012. (invited)

- Huang, R. & Li, Y. (2012). *Chinese and U.S. pre-service mathematics teachers' knowledge for teaching algebra with a focus on representational flexibility*. Paper presented at the 12th International Congress on Mathematical Education (ICME-12), Seoul, South Korea; July 8-15, 2012.
- Li, Y. (2012). *What do I know about mathematics teaching, teachers and teacher education in China?* Keynote speech given at the Forum for Global Chinese mathematics educators, Seoul, South Korea; July 12, 2012. (invited)
- Li, Y. (2012). *Exemplary mathematics instruction and its development in China: pursuing classroom instruction excellence as a cultural practice*. Paper presented at TSG 21 (Research on classroom practice), The 12th International Congress on Mathematical Education (ICME-12), Seoul, South Korea; July 8-15, 2012.
- Huang, R., & Li, Y. (2012). *Strategies of making coherent instruction in China: A case of teaching systems of linear equations*. Paper presented at American Educational Research Association (AERA) annual meeting, Vancouver, Canada; April 15, 2012.
- Li, Y., Kracht, J., Palmer, D., Byrd, D., & Castillo, D. (2011). *Changes and challenges in teacher preparation for Texas*. 30-minute oral presentation at CSOTTE 2011 Fall Teacher Education Conference, Omni Corpus Christi Bay front Hotel, Corpus Christi, TX; October 23-25, 2011.
- Huang, R., & Li, Y. (2011). *What constitutes effective mathematics instruction: A comparison of Chinese expert and novice teachers' views*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Indianapolis, IN; April 11-13, 2011.
- Huang, R., & Li, Y. (2011). *Mathematics teacher professional competence development: Novice-Expert comparison*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Indianapolis, IN; April 11-13, 2011.
- Huang, R., Li, Y., Kulm, G., & Allen, G. D. (2011). *Pre-service mathematics teachers' knowledge for teaching algebra in China and the United States*. Paper presented at American Educational Research Association (AERA) annual meeting, New Orleans, Louisiana; April 8-12, 2011.
- Li, Y., Huang, R., & Xu, S. (2011). *Improving teachers' expertise and teaching through apprenticeship practices*. Paper presented at American Educational Research Association (AERA) annual meeting, New Orleans, Louisiana; April 8-12, 2011.
- Larke, P., Li, Y., Fox, B., Jimarez, T., & Webb-Hasan, G. (2011). *High stakes tests: Sharing voices of African American and Hispanic elementary girls*. Presented at the Seventh International Congress of Qualitative Inquiry. Champaign, IL; May 18-21, 2011.
- Li, Y. (2011). *Expertise in mathematics instruction: Advancing research and practice from an international perspective*. Talk given at the Center for Basic Education Research, Southwest University, Chongqing, China; May 22, 2011. (invited)
- Li, Y. (2011). *Expertise in mathematics instruction: What can we learn from research?* Talk given at College of Basic Education, Capital Normal University, Beijing, China; May 19, 2011 (invited)

- Li, Y. (2010). *Expanding educational experience from local to global: A personal journey*. Talk given at School of Mathematical Sciences, Beijing Normal University, Beijing, China; June 8, 2010. (invited)
- Li, Y. (2010). *Research on teacher expertise*. Talk given at Faculty of Education, Beijing Normal University, Beijing, China; June 8, 2010. (invited)
- Li, Y. (2010). *Experiencing and understanding education in a global context*. Talk given at the College of Educational Sciences and College of Science, Hangzhou Normal University, Hangzhou, China; June 3, 2010. (invited)
- Li, Y. (2010). *Linking research and practice in mathematics education*. Talk given at the Center for Basic Education Research, Southwest University, Chongqing, China; May 22, 2010. (invited)
- Han, X., & Li, Y. (2010). *Approaches and practices for professional development of mathematics teachers in the U.S. in the past decade*. Paper presented at the International Seminar on Mathematics Education, Shanghai, China; May 24-26, 2010.
- Li, Y. (2010). *Aligning and developing mathematics curriculum for classroom instruction: U.S. teachers as specialists in both curriculum and instruction*. Paper presented at the International Seminar on Mathematics Education, Shanghai, China; May 24-26, 2010.
- Ding, M., Li, X., & Li, Y., & Gu, J. (2010). *Specialized content knowledge for teaching the transformation of equivalent fractions*. Paper presented at the International Seminar on Mathematics Education, Shanghai, China; May 24-26, 2010.
- Li, Y., & Zhang, X. (2010). *Computational performance among sixth-grade students in China: School mathematics reform, school locations and ethnicity*. Research report presented at the Thirty-Second annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, Ohio; Oct 28-31, 2010.
- Huang, R., Li, Y., & Ma, T. (2010). *Developing and mastering knowledge through teaching with variations: A case study of teaching fraction division*. Paper presented at the Thirty-Second annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, Ohio; Oct 28-31, 2010.
- Li, Y., Pang, J., & Ma, Y. (2010). *Knowledge and confidence of prospective elementary teachers in China and South Korea*. Research report presented at the Thirty-Second annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, Ohio; Oct 28-31, 2010.
- Huang, R., Li, Y., Kulm, G., & Willson, V. (2010). *The relationships among professional ranks, course taking and teachers' knowledge for teaching algebra*. Paper presented at the Thirty-Second annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, Ohio; Oct 28-31, 2010.
- Li, Y., & Huang, R. (2010). *How Chinese teach mathematics and what we can learn from them*. A talk given at the Mathematics and Science Seminar series, College of Education and Human Development, Texas A&M University, College Station, TX; October 20, 2010.

- Zhang, X., & Li, Y. (2010). *Chinese student computation skills in the context of school mathematics reform*. Paper presented at the ICMI Regional Conference - The 5th East Asia Regional Conference on Mathematics Education, Tokyo, Japan; August 18-22, 2010.
- Huang, R., Chen, X. M., Li, Y., & Zhang, J. (2010). *Chinese high school teachers' knowledge for teaching algebra: An exploratory study*. Paper presented at the ICMI Regional Conference - The 5th East Asia Regional Conference on Mathematics Education, Tokyo, Japan; August 18-22, 2010.
- Chen, X., Li, Y., & Kulm, G. (2010). *Prospective teacher's knowledge development in fraction division for teaching*. Roundtable Session paper presented at the American Educational Research Association (AERA) annual meeting, Denver, Colorado; April 30-May 4, 2010.
- Li, Y. (2010). *Expanding collaboration horizon, and pursuing educational excellence*. Presentation given to the U.S. National Commission on Mathematics Instruction. San Diego, CA; April 21, 2010. (invited)
- Li, Y., Ma, T., Rowntree, R. V., & Han, S. (2010). *Curriculum standards and textbooks as intended curriculum to structure students' mathematics learning in China and the United States*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, San Diego, CA; April 19-21, 2010.
- Li, Y., & Chen, X. (2010). *Teachers' lesson planning as a process to (re-)construct curriculum for classroom instruction*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, San Diego, CA; April 19-21, 2010.
- Huang, R., Rowntree, R. V., Yetkiner, E., & Li, Y. (2010). *Classroom instruction as implemented curriculum to provide students structured learning experience in China and the US*. Paper presented at the Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, San Diego, CA; April 19-21, 2010.
- Li, Y. (2009). *Teachers' career development viewed from both a policy and a practical perspective*. Talk given at The Teacher Development Continuum in the United States and China, Newport Beach, California, July 31-August 2, 2009. (invited)
- Li, Y. (2009). *Learning from cross-national textbook comparisons*. Talk given at Seminar on international curriculum standards and textbook comparison (a project funded by Chinese Ministry of Education), Northeast Normal University, Changchun, China; June 27, 2009. (invited)
- Li, Y. (2009). *Examining and understanding students' learning from a curriculum perspective*. Talk given at College of Educational Science, Northeast Normal University, Changchun, China; June 26, 2009. (invited)
- Li, Y. (2009). *Curriculum and teacher education*. Talk given at College of Educational Science, Northeast Normal University, Changchun, China; June 26, 2009. (invited)
- Li, Y. (2009). *Knowledge and confidence of sampled pre-service mathematics teachers in China, South Korea and the United States*. Talk given at Department of Mathematics, East-China Normal University, Shanghai, China; June 19, 2009. (invited)

- Li, Y. (2009). *Students' learning as structured school experience*. Talk given at College of Basic Education, Capital Normal University, Beijing, China; June 15, 2009. (invited)
- Li, Y. (2009). *Curriculum reform to improve mathematics teaching and learning: changes and challenges*. Talk given at People's Education Press, Beijing, China; June 15, 2009. (invited)
- Li, Y. (2009). *From "knowing about students" to "learning about students' learning"*. Talk given at National Center for School Curriculum and Textbook Development, Ministry of Education, Beijing, China; June 13, 2009. (invited)
- Li, Y. (2009). *Examining and understanding curriculum practices from a cross-national perspective*. Talk given at School of Mathematical Sciences, Beijing Normal University, Beijing, China; June 12, 2009. (invited)
- Li, Y. (2009). *Curriculum transformation in teaching and learning mathematics*. Talk given at School of Mathematical Sciences, Beijing Normal University, Beijing, China; June 12, 2009. (invited)
- Li, Y. (2009). *Mathematics curriculum research*. Talk given at School of Mathematical Sciences, Beijing Normal University, Beijing, China; June 12, 2009. (invited)
- Li, Y. (2009). *Developing textbook research and researching textbook development*. Talk given at National Center for School Curriculum and Textbook Development, Ministry of Education, Beijing, China; June 6, 2009. (invited)
- Li, Y. (2009). *U.S. and Chinese teachers' practices and thinking in constructing curriculum for teaching*. Paper presented at the Thirty-First annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Athens, Georgia; Sept 23-26, 2009.
- Huang, R. & Li, Y. (2009). *Chinese master and novice teachers' views of good mathematics classroom instruction*. Paper presented at American Educational Research Association (AERA) annual meeting, San Diego, CA; April 13-17, 2009.
- Li, Y., Chen, X., & Huang, R. (2009). *Developing procedural proficiency with conceptual understanding and beyond: The case of teaching and learning fraction division in China*. Paper presented at American Educational Research Association (AERA) annual meeting, San Diego, CA; April 13-17, 2009.
- Chen, X. & Li, Y. (2009). *Instructional coherence in Chinese mathematics classroom – A case study of lessons on fraction division*. Paper presented at American Educational Research Association (AERA) annual meeting, San Diego, CA; April 13-17, 2009.
- Huang, R. & Li, Y. (2009). *Mathematics knowledge for teaching algebra: A case study on linear equations in mainland China*. Paper presented at American Educational Research Association (AERA) annual meeting, San Diego, CA; April 13-17, 2009.
- Li, Y., Chen, X., & An, S. (2009). *Conceptualizing and organizing content for teaching and learning in Chinese textbooks*. Paper presented at Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Washington, DC; April 20-22, 2009.
- Li, Y., Chen, X., & Kulm, G. (2009). *Mathematics teachers' practices and thinking in lesson plan development: a case of teaching fraction division*. Paper presented at

- Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Washington, DC; April 20-22, 2009.
- Li, Y., & Chen, X. (2009). *Lesson instruction to develop students' conceptual understanding with mandatory curriculum as a context*. Paper presented at Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Washington, DC; April 20-22, 2009.
 - Rosli, R., & Li, Y. (2009). *Linear function in the U.S., Malaysia and Singapore secondary school mathematics textbooks*. Paper presented at School Science and Mathematics Association annual meeting, Reno, Nevada, October 22-24, 2009.
 - Brown, I., & Li, Y. (2009). *Mathematics anxiety involving HBCU students*. Paper presentation given at the 32nd annual meeting of the Southwest Educational Research Association, San Antonio, TX.
 - Li, Y., & Huang, R. (2008). *Developing mathematics teachers' expertise with apprenticeship practice and professional promotion system as contexts*. Talk given at U.S.-Sino Workshop on Science and Mathematics Education, NSF-sponsored workshop held at Middle Tennessee State University, TN; June 22-27, 2008. (invited)
 - Li, Y. (2008). *Mathematical knowledge related to teachers/teaching*. Discussion given as invited by Special Interest Group for Research in Mathematics Education (SIG/RME) for a paper session at the annual meeting of the American Educational Research Association (AERA), New York, NY; March 24-28, 2008. (invited)
 - Li, Y., Huang, R., & Tang, C. (2008). *Elementary mathematics teachers' knowledge in mathematics and pedagogy for teaching*. Paper presented at the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter, Morelia, Mexico; Thursday, July 17, 2008 - Monday, July 21, 2008.
 - Li, Y., Zhu, X., & Ma, T. (2008). *Conceptualization of school mathematics as situated in a social-cultural context*. Paper presented at DG 4: Reconceptualizing the mathematics curriculum, The 11th International Congress on Mathematical Education (ICME-11), Monterrey, Mexico; July 6-13, 2008.
 - Zhang, J., Huang, R., Li, Y., Qian, P., & Li, X. (2008). *Improving mathematics teaching and learning with a focus on core concepts in secondary school mathematics: Introducing a new nation-wide effort in Mainland China*. Paper presented at TSG 4: New developments and trends in mathematics education at upper secondary level, The 11th International Congress on Mathematical Education (ICME-11), Monterrey, Mexico; July 6-13, 2008.
 - Li, Y., Huang, R., Bao, J., & Fan, Y. (2008). *Facilitating the development of mathematics teachers' expertise through professional promotion practices in Mainland China*. Paper presented at TSG 28: In-service education, professional life and development of mathematics teachers, The 11th International Congress on Mathematical Education (ICME-11), Monterrey, Mexico; July 6-13, 2008.
 - Li, Y. (2008). *Research on the quality of mathematics classroom instruction: An overview*. Paper presented at the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the

- North American chapter, Morelia, Mexico; Thursday, July 17, 2008 - Monday, July 21, 2008.
- Huang, R., & Li, Y. (2008) *Developing exemplary lessons to pursue mathematics classroom instruction excellence in China*. Paper presented at the joint meeting of 32nd annual conference of the International Group for the Psychology of Mathematics Education and the 30th of the North American chapter, Morelia, Mexico; Thursday, July 17, 2008 - Monday, July 21, 2008.
 - Li, Y., Chen, X., & An, S. (2008). *Conceptualizing and organizing content for teaching and learning in Chinese, Japanese, and Singapore mathematics textbooks: The case of fraction division*. Presentation given at School Science and Mathematics Association annual meeting, Raleigh-Durham, NC, November 13-15, 2008.
 - Chen, X., Li, Y., & Kulm, G. (2008). *Examining middle grade prospective teachers' knowledge growth for teaching division of fractions with concept map*. Presentation given at School Science and Mathematics Association annual meeting, Raleigh-Durham, NC, November 13-15, 2008.
 - Li, Y. & Huang, R. (2008). *Learning about and from a master mathematics teacher in China*. Paper presented at Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Salt Lake City, Utah; April 7-9, 2008.
 - Huang, R. & Li, Y. (2008). *What can we learn from U.S. and Chinese classroom instruction in algebra?* Individual research paper presented at Research Pre-session of National Council of Teachers of Mathematics (NCTM) annual meeting, Salt Lake City, Utah; April 7-9, 2008.
 - Li, Y. (2008). *Chinese elementary teachers' cognition about good mathematics lesson*. Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.
 - Li, Y., Ding, M., Li, X., & Kulm, G. (2008). *Chinese teachers and students' views about good students*. Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.
 - Li, X., Li, Y., Ding, M., & Kulm, G. (2008). *Class sizes and students' classroom behavior and achievement: What can we learn from Asian practices?* Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.
 - Ding, M., Li, Y., Li, X., & Kulm, G. (2008). *Chinese teachers' perceptions of students' classroom misbehavior and preferred help*. Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.
 - Li, Y., Kulm, G., Huang, R., & Ding, M. (2008). *Chinese teachers and students' thinking about good lesson*. Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.
 - Ding, M., Li, Y., Li, X., & Kulm, G. (2008). *Chinese teachers' attributions and management strategies for student classroom misbehavior*. Paper presented at American Educational Research Association (AERA) annual meeting, New York, NY; March 24-28, 2008.

- Chen, X., & Li, Y. (2008) *Instructional coherence in a Chinese mathematics classroom – the case of division of fractions*. Poster presented at the 11th annual student research week (theme: building community through research), TAMU, College Station, TX; March 24-28, 2008.

TEACHING EXPERIENCE

Texas A&M University (2006 – Present)

MASC 351 – Problem Solving in Mathematics
 MASC 450 – Integrated Mathematics
 EDCI 621 – Teaching and Learning Space, Dimension and Measure Concepts
 EDCI 622 – Theories of Learning and Teaching in Mathematics
 EDCI 627 – Teaching and Learning Statistics and Uncertainty Concepts
 EDCI 644 – Curriculum Development
 EDCI 685 – Directed Studies
 EDCI 689 – Culture and Cognition
 EDCI 689 – Curriculum Research in Mathematics Education
 EDCI 690 – Theory of Curriculum and Instruction Research
 EDCI 691 – Research
 EDCI 692 – Professional Studies

Ph.D./Ed.D. students

Merrill, Julie E., Ed.D., May 2015, “The Flipped Classroom: An Examination of Veteran Teachers’ Practices When Flipping Their Classrooms for the First Time”
 Sokolowski, Andrzej, Ph.D., August 2013, “The Effects of Exploratory Learning Environments on Students’ Mathematics Achievement” (*TLAC Distinguished Honor Graduate in Summer 2013*)
 Younes, Rayya, Ph.D., May 2013, “The Relationship of Student Dispositions and Teacher Characteristics with the Mathematics Achievement of Students in Lebanon and Six Arab Countries in TIMSS 2007” (*TLAC Distinguished Honor Graduate in Spring 2013*)
 Ma, TingTing, Ph.D., December 2012, “Middle School Mathematics Teachers’ Curriculum Knowledge for Teaching Simple Algebraic Equations and Equation-Solving” (*TLAC Distinguished Honor Graduate in Fall 2012*)
 El-Saleh, Ilham Kamel, Ph.D., August 2011, “Teachers’ Concerns Regarding the Adoption of the New Mathematics Textbook”
 Yetkiner, Ebrar, Ph.D., December 2010, “Achievement and Opportunity Gap in Mathematics Education in Turkey Compared to European Union Countries.”
 Huang, Rongjin, Ph.D., December 2010, “Prospective Mathematics Teachers’ Knowledge for Teaching Algebra in China and the U.S.”
 Chen, Xi, Ph.D., May 2010, “The Development of Middle Grade Prospective Teachers’ Knowledge and Beliefs.”
 Ding, Meixia, Ph.D., August 2007, “Knowing Mathematics for Teaching: A Case Study of Teacher Responses to Students’ Errors and Difficulties in Teaching Equivalent Fractions.”

Li, Xiaobao, Ph.D., December 2006, “Cognitive Analysis of Students’ Errors and Misconceptions in Variables, Equations, and Functions.”

You, Zhixia, Ph.D., August 2006, “Preservice Teachers’ Knowledge of Linear Functions within Multiple Representation Modes.”

SELECTED PROFESSIONAL SERVICE

Texas A&M University (2008 – Present)

- Member, College Review Committee of the Omar Smith Endowed Chair of Health and Physical Education, College of Education and Human Development (CEHD), June – July 2015.
- Member, College Review Committee of the J.L. and Sydney Huffines’44 Chair in Education, CEHD, June – July 2015.
- Co-Chair, Education & Trust Building sub-committee, Committee on Diversity Initiatives (CoDI), College of Education and Human Development, 2012 – 2015.
- Member, Committee on Diversity Initiatives (CoDI), College of Education and Human Development, December 2011 – 2015.
- Member, College’s Leadership Team, College of Education and Human Development, March 2011 – 2015.
- Member, Dean’s Council, College of Education and Human Development, March 2011 – 2015.
- Convener, working group for developing STEM Education Research Center at Texas A&M University, March 2012 – November 2013
- Member, CEHD Outstanding Alumni Selection Committee, April 2012, April 2013.
- Chair, College Review Committee of the Marilyn Kent Byrne Endowed Chair for Student Success, College of Education and Human Development, February – April 2012.
- Member, College Review Committee of the Leonard D. Ponder Endowed Chair, College of Education and Human Development, February – April 2012.
- Co-organizer (with Cynthia Riccio, and then Jeffrey Liew), TAMU first Interdisciplinary Seminar Series on “Brain, Cognitive Sciences, and Education” with speakers from five different colleges of Texas A&M. August 2009 – 2011.
- Member, the Selection Committee for the Lynda Brown Faculty Fellowship, TLAC. Fall 2010.
- Member of TLAC Leadership Team, November 2009 – 2011.
- Member, Selection Committee for the Bush Excellence Award for Faculty in International Research, TAMU. August 2008 – January 2009.
- Member, Department’s P&T committee, TLAC.

National

- Discussant, invited by American Educational Research Association (AERA), for the Paper Session titled, “Understanding Mathematical Knowledge for Teaching Across Contexts” at the 2015 AERA Annual Meeting in Chicago, IL; April 17, 2015.

- Discussant, invited by AERA, for the Paper Session titled, “The Impact of Video-based Professional Development on Instruction” at the 2015 AERA Annual Meeting in Chicago, IL; April 20, 2015.
- Chair, invited by AERA, for the paper session titled, “Complicating Content: Moving Beyond Traditional Approaches to Teaching Children” at the 2014 AERA Annual Meeting in Philadelphia, Philadelphia, PA, April 3 – 7, 2014.
- Chair, invited by AERA, for the roundtable session titled, “Eastern Asian Perspectives on Teacher Education Policy and Practice” at the 2014 AERA Annual Meeting in Philadelphia, PA, April 3 – 7, 2014.
- Discussant, invited by AERA, for the paper session titled, “STEM Teacher Beliefs” at the 2014 AERA Annual Meeting in Philadelphia, PA, April 3 – 7, 2014.
- Discussant, invited by AERA, for the paper session titled, “Supporting Elementary Pre-Service Teachers' Beliefs and Self-Efficacy in Mathematics” at the 2014 AERA Annual Meeting in Philadelphia, PA, April 3 – 7, 2014.
- External reviewer for a Promotion and Tenure dossier from the University of Michigan, June – September 2013.
- Discussant, invited by AERA Division K – Teaching and Teacher Education, for the Paper Session titled, “Thinking About Practice: From the Classroom to Policy,” at the 2013 AERA Annual Meeting in San Francisco, California, April 28, 2013.
- Chair, invited by AERA Special Interest Group for Research in Mathematics Education (SIG/RME), for the paper session titled, "Studies of Postsecondary Mathematics" at the 2013 AERA Annual Meeting in San Francisco, California, April 30, 2013.
- Chair, invited by AERA Division K – Teaching and Teacher Education, for the Roundtable Session titled, "Professional Development Models in Science" at the 2013 AERA Annual Meeting in San Francisco, California, April 27, 2013.
- Discussant, invited by AERA Division K – Teaching and Teacher Education, for the Paper Session titled, “Extending beyond the Achievement Gap: Teachers’ Connections to Psychosocial Factors in STEM Education,” at the 2012 AERA Annual Meeting in Vancouver, Canada, April 15, 2012.
- External auditor for ETS assessment program quality and fairness, Sept 2011 – March 2012.
- External reviewer for a Promotion and Tenure dossier from the University of Tulsa, August – September 2010.
- A mathematics panelist (consultant) for WestEd NAEP alignment study (alignment with ACCUPLACER, organized by WestEd, National Assessment Governing Board, the College Board, and Norman Webb from UW-Madison), Washington DC, April 12-16, 2010.
- Mentor, invited by American Educational Research Association (AERA, the Committee on Scholars of Color in Education) to serve as a mentor for mentoring junior researcher/faculty members, March 2008 – 2009.
- Chair, invited by AERA Special Interest Group for Research in Mathematics Education (SIG/RME), for a paper session (session 15.086: Mathematical knowledge of teachers for teaching) at the annual meeting of the American Educational Research Association (AERA), New York, NY; March 24-28, 2008.

International

- Member, Advisory Board, Textbook Development Project for ShanXi Province, Beijing Normal University, China, 2014 – Present.
- External examiner of one Ph.D. dissertation in Mathematics Education from National Institute of Education, Singapore, January – March, 2013.
- External reviewer for a Promotion and Tenure dossier from the National Institute of Education, Nanyang Technological University, Singapore, March 2011.
- Chair of two PhD defense committees, Southwest University, China; May 2011.
- Member of two PhD defense committees, Southwest University, China; May 2011.
- Chair of seven MS defense committees, Southwest University, China; May 2011.
- Initiated and co-organized “*International Seminars on Mathematics Education*”, 1st held at TAMU in July 2008, 2nd held at East China Normal University in Shanghai in May 2010.
- External examiner of five Ph.D dissertations in Mathematics Education from Southwest University, China, May 2010.
- Research consultant, Hangzhou Normal University, China, 2010.
- Research consultant, University of Macao, Macao SAR, 2010.
- Consultant, Southwest University, China, 2010.
- Research consultant on mathematics education projects at Northeast Normal University, China, 2009 – 2010.
- Research consultant, Chengdu University, China, 2009 – 2010.
- Research consultant for “The New Century Mathematics” textbook series published by Beijing Normal University Press, China, 2009.
- Research consultant at People’s Education Press, Beijing, China, 2009.
- Member at Large, Steering Committee, International Group for the Psychology of Mathematics Education-North American Chapter (PME-NA), July 2008-2011.

Grant Reviewer

- Grant reviewer for grant proposals (DR K-12), the U.S. National Science Foundation, May 2007.
- Grant reviewer for grant proposals submitted to NH State Department of Education, 2001.

Editorship

- Founding editor-in-chief, *International Journal of STEM Education*, 2013 – Present
- Editor, book series - *Advances in Teaching and Teacher Education*, 2014 - Present
- Editor, book series - *Advances in STEM Education*, 2014 - Present
- Editor, book series - *Mathematics Teaching and Learning*, 2011 - Present
- Associate editor, *School Science and Mathematics*, June 2006 – 2011.
- Guest editor, *ZDM-The International Journal of Mathematics Education*, 2008-2011.
- Guest editor, *Mathematics Bulletin: A journal for educator*, 2008-2010.
- Guest editor, *International Journal of Educational Research*, 2001-2002.

- Guest editor, *The Mathematics Educator* (Singapore), 2000-2001.

Journal Reviewer

- American Educational Research Journal
- Asia Pacific Education Review
- Comparative Education Review
- Elementary School Journal
- Journal for Research in Mathematics Education
- Journal of the Korea Society of Mathematical Education
- Journal of Mathematics Teacher Education
- Journal of Teacher Education
- Mathematics Bulletin
- Mathematics Teaching in the Middle School
- Mathematical Thinking and Learning: An International Journal
- Review of Educational Research
- School Science and Mathematics
- The Mathematics Educator
- ZDM-The International Journal on Mathematics Education

Proposal Reviewer for Major Conferences

- American Educational Research Association annual meeting
- Research Pre-sessions of National Council of Teachers of Mathematics annual meeting
- The 10th International Congress on Mathematical Education (ICME-10)
- The 11th International Congress on Mathematical Education (ICME-11)
- The 12th International Congress on Mathematical Education (ICME-12)
- The North American Chapter of the International Group for the Psychology of Mathematics Education annual meeting

Professional Affiliations

- American Educational Research Association (AERA)
- Special Interest Group for Research in Mathematics Education (SIG/RME, AERA)
- National Council of Teachers of Mathematics (NCTM)
- School Science and Mathematics Association
- International Group for the Psychology of Mathematics Education (PME)
- North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA)

PROFESSIONAL DEVELOPMENT

- Difficult Dialogue Program (DDP) sponsored and provided by the office of VP for Diversity at Texas A&M University, February – April 2012. The DDP training is specifically designed to provide participants with knowledge, skills, and tools to effectively carry out difficult dialogue.

- Basic Mediation Training (40-hour) sponsored by the office of VP for Diversity at Texas A&M University and provided by the Center for Change and Conflict Resolution, October – November 2011. The training is specifically designed to provide participants with knowledge, skills, and tools needed for carrying out basic mediation.
- TAMU Leadership Institute sponsored and provided by Texas A&M University, October – December 2010. The LI is specifically designed to provide participants with knowledge, skills, tools, and connections to effectively lead people and organizations at Texas A&M University.
- VIGRE workshop sponsored by the U.S. National Science Foundation (the workshop aimed to strengthen graduate programs in mathematics nationwide and integrate mathematical research and education at undergraduate, graduate, and postdoctoral levels), Reston, Virginia, May 2002.

HONORS, AWARDS, AND RECOGNITIONS

- Invited to give a regular lecture at the *13th International Congress on Mathematical Education*, to be held in Hamburg, Germany. [July 2016]
- *Diversity Service Team Award* to the College of Education and Human Development Committee on Diversity Initiatives (CoDI), presented by the Department of Multicultural Services at Texas A&M University, April 2014.
- Invited to co-chair the Topic Study Group 21 (TSG 21: Research on classroom practice) for the *12th International Congress on Mathematical Education*, Seoul, South Korea. [2011 – July 2012]
- Honorary guest professorship, Southwest University, China, May 2011 – present
- Invited speaker [2009] at *The Teacher Development Continuum in the United States and China*, invited by US National Commission on Mathematics Instruction, Newport Beach, California, July 31-August 2, 2009.
- Invited to co-chair the Discussion Group 4 (Reconceptualizing the mathematics curriculum) for the *11th International Congress on Mathematical Education*, Monterrey, Mexico. [January – July 2008]
- Invited feature speaker [2005] at the *First International Mathematics Curriculum Conference*, University of Chicago (under the auspices of the Center for the Study of Mathematics Curriculum, a NSF funded national center for learning and teaching). November 2005.
- Invited feature speaker [2004] at the *APEC Seminar on Best Practices & Innovations in Teaching and Learning Mathematics & Science at Secondary School Level*, invited by the Ministry of Education, Malaysia. July 2004.
- Invited member of the organization team for Discussion Group 14 (Mathematics textbooks) at the *10th International Congress on Mathematical Education*, Copenhagen, Denmark. [2003 – July 2004]
- University outreach scholar, University of New Hampshire Provost Initiative, [2004-2005]

- Awardee for participation in Faculty Instructional Technology Summer Institute, University of New Hampshire. [Summer 2004]
- Being interviewed for the publication in “Inquiring Minds: Highlights from UNH research”, *University of New Hampshire Magazine, Spring 2001*, pp.10-11. [Spring 2001]
- Recipient of summer faculty research fellowship, University of New Hampshire. [Summer 2000]
- Recipient of Soo Young & Huang Foundation Scholarship, Hawaii. [1994]
- Recipient of Outstanding Teacher award, Yanzhou high school, China. [1986]