

CURRICULUM VITAE
Mingyuan Zhang
(Last updated February 14, 2018)

OFFICE ADDRESS

Teacher Education and Professional Development
Central Michigan University
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Mount Pleasant, MI 48858
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AREAS OF SPECIALIZATION

Educational Technology
Learning and Evaluation
National Education Data Mining
Educational Research Methodology

CURRENT POSITION

Professor, Department of TEPD, CMU

CURRENT TEACHING EXPERIENCE

EDU 290	Technology in Education
EDU 493	Learning and Evaluation in Elementary Education
EDU 590	Microcomputers in Classroom Instruction
EDU 602	Strategies and Techniques for Teaching
EDU 613	Current Educational Issues
EDU 614	Advanced Educational Psychology
EDU 660	Methods of Educational Research
EDU 707	Seminar: Issues in Educational Technology
EDU 708	Distance Education
EDU 709	Innovative Uses of Technology
EDU 802	Quantitative Research Methods for Educational Technology
EDU 862	Data Driven Decision Making

EDUCATIONAL BACKGROUND

Indiana University of Pennsylvania, Indiana, PA
Degree: Post-Doctoral studies, August 2001 – August 2002
Study Focus: Comparative Study of Math and Science Utilizing
Data from Third International Mathematics and Science Study

(TIMSS)

Indiana University of Pennsylvania, Indiana, PA
Degree: Ed.D., August 1993 – 1998
Major: Elementary Education
Concentration: Curriculum and Instruction

Indiana University of Pennsylvania, Indiana, PA
Degree: M.A., May 1991 – 1993
Major: Business Education
Concentration: Curriculum and Instruction

Footscray Institute of Technology, Melbourne, Australia
Non-degree: November 1997 - July 1988
Field: Hospitality and Hotel Management

Beijing Second Foreign Language Institute, Beijing, China
Degree: B. A., September 1997 - July 1983
Major: English Language and Literature
Minor: English Language Teaching

PROFESSIONAL EXPERIENCES

Professor, Department of Teacher Education and Professional Development
Central Michigan University
August 2011 – Present

Associate Professor, Department of Teacher Education and Professional Development
Central Michigan University
August 2007 – July 2011

Assistant Professor, Department of Teacher Education and Professional Development
Central Michigan University
August 2002 – July 2007

Post Doctoral Teaching and Research Fellow, Department of Professional Studies in
Education
Indiana University of Pennsylvania, Indiana, PA
August 2001 - May 2002

Lecturer, Faculty of Business Administration, School of Computing
Centre for English Language and Communication
National University of Singapore
August 1998 - August 2001

Teaching Associate, Department of Professional Studies in Education
Indiana University of Pennsylvania, Indiana, PA
August 1995 - August 1998

Coordinator, Philadelphia Urban Seminar, Department of Professional Studies in
Education
Indiana University of Pennsylvania, Indiana, PA
August 1995 - August 1998

Instructor, IUP's YES Program for Children
1995-1998

Intern, Eisenhower Elementary School, Indiana, PA
September 1994 - June 1995

Graduate Assistant, Department of Professional Studies in Education
Indiana University of Pennsylvania, Indiana, PA
September 1993 - August 1995

Graduate Assistant, Department of Hotel, Restaurant and Institutional Management
Indiana University of Pennsylvania, Indiana, PA
September 1991- August 1993

Lecturer and Director, Office of English Language Teaching and Research
Tourism Management Department
Beijing Second Foreign Language Institute, Beijing, China
July 1983 - July 1991

Assistant to the General Manager of Beijing Jianguo Hotel International
Beijing, China
April 1985 - October 1985

Teacher, East Fence Senior High School, Jiaxin County, Zhejiang Province, China
August 1978- May 1979

Teacher, East Fence Elementary School, Jiaxin County, Zhejiang Province, China
August 1976 - May 1978

COURSES TAUGHT AT NATIONAL UNIVERSITY OF SINGAPORE

- BK 2001 Business Communication
- SC 2301 Business and Technical Communication
- EA 5001 Pedagogy of Teaching in Higher Education

COURSES TAUGHT AT INDIANA UNIVERSITY OF PENNSYLVANIA

- EL 215 Child Development
- ED 242 Pre-student Teaching Clinical Experience I
- EL 257 Pedagogy I
- ED 342 Pre-student Teaching Clinical Experience II
- ED 421 Student Teaching
- ED 499 Multicultural/Multiethnic Education
- MEDU 662 Instruction and the Learner
- MEDU 664 Educational Change and Technology

REFEREED NATIONAL AND INTERNATIONAL LEVEL PRESENTATIONS

Zhang, M. (2017, August). *Dig deep into educational issues*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Pittsburg, PA.

Zhang, M. (2017, August). *Data visualization – A powerful tool for educational research*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Pittsburg, PA.

Zhang, M. (2017, April). *How did the practicing teachers feel when cameras were recording their teaching?* Paper presented at the annual conference of the American Educational Research Association (AERA), San Antonio, Texas.

Zhang, M. (2017, February). *An analysis of doctoral program applicants' abilities in synthesis writing*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Orlando, FL.

Zhang, M. (2017, February). *Overcoming odds – How we created an all-online doctoral program in educational technology*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Orlando, FL.

Zhang, M., Corbett, L., & Lundquist, P. (2017, February). *Gamification and card playing for learning math*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Orlando, FL.

Zhang, M. (2017, January). *Are they reading the same Stuff? What online doctoral students see in journal articles*. Paper presented at the 29th Annual Conference of Ethnographic and Qualitative Research Conference (EQRC), Las Vega, NV.

Zhang, M., & Li, X. (2016, March). *Rising to the challenge: What practicing teachers learned from a video-enhanced reflective professional development project*. Paper presented at the annual conference of the Society for Information Technology and Teacher Education (SITE), Savannah, Georgia.

Zhang, M., Corbett, L., & Li, X. (2016, August). *Student teacher perceptions of mobile technology in digital literacy*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Louisville, KY.

Zhang, M., Reuter, M., & Lundquist, L. (2016, August). *Zoom – An effective tool for interactive online teaching*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Louisville, KY.

Zhang, M., & Li, X. (2016, February). *The Effectiveness of Video-Enhanced Reflective Practices and Literacy Coaching: A Case Study of What Was Learned from a Year-Long Grant-Supported PD Project*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Chicago, IL.

Zhang, M. (2016, February). *ZipGrade – Your personal assessment system*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Chicago, IL.

Zhang, M., & Li, X., & Reuter, M. (2015, August). *Video-enhanced reflective practices: What was learned from a year-long grant-supported PD project*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Minneapolis, Minnesota.

Zhang, M., & Li, X. (2015, August). *How 3rd and 4th grade teachers analyzed the CCSS online standardized tests*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Minneapolis, Minnesota.

Zhang, M., & Li, X. (2015, February). *See yourself teach - Using video for reflective practices*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Phoenix, AZ.

Zhang, M., & Li, X. (2015, February). *Using iPad to create your first iMovie*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Phoenix, AZ.

Zhang, M. (2014, August). *Smarter Balanced performance task assessment: Definition, features, and implications*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Niagara Falls, NY.

Zhang, M. (2014, August). *ScreenCast - An effective tool for teaching and learning*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Niagara Falls, NY.

Zhang, M. (2014, February). *Five iPad apps to enhance lesson delivery*. Paper presented at the spring annual conference of the Association of Teacher Educators (ATE), Washington, DC.

Zhang, M. (2013, February). *Using iPad apps to enhance literacy learning*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), Atlanta, GA.

Zhang, M. (2013, August). *Is next generation assessment beyond the bubble test?* Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Washington, DC.

Zhang, M. (2013, August). *Utilizing mind mapping iPad apps to optimize learning*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Washington, DC.

Zhang, M. (2012, August). *Using iPad apps to enhance literacy learning*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Boston, MA.

Zhang, M. (2011, August). *Seven Web applications to enhance vocabulary learning*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Philadelphia, PA.

Zhang, M. (2010, August). *E-cheating: What every K-12 teacher needs to know*. Paper presented at the 2010 annual summer conference of the Association of Teacher Educators (ATE), Kansas City, MO.

Zhang, M. (2010, August). *Web apps – Technology trends for K-12 education*. Paper presented at the 2010 annual summer conference of the Association of Teacher Educators (ATE), Kansas City, MO. (Co-presenter: Larry Corbett).

Zhang, M. (2010, April). *Writing processes experienced through research writing: Challenges faced and lessons learned*. Paper presented at the annual meeting of the International Reading Association (IRA), Chicago, IL. (Co-presenter: Xiaoping Li)

Zhang, M. (2010, March). *Using Wikis in teaching innovative uses of technology*. Paper presented at the 2010 annual conference of the Association of Teacher Educators (ATE), Chicago.

Zhang, M. (2009, August). *Is the cell phone a blessing or a curse?* Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Reno, NV. (Co-presenter: Xiaoping Li)

Zhang, M. (2009, August). *Successful summer reading clinic for struggling readers in an urban school*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Reno, NV. (Co-presenter: Xiaoping Li)

Zhang, M. (2009, May). *Why Fairfield Academy fell behind and what can be done?* Paper presented at the annual meeting of the International Reading Association (IRA), Minnesota, MN. (Co-presenter: Xiaoping Li)

Zhang, M. (2009, March). *Real-time Internet data for K-6 science*. Paper presented at the International Technology Education Association (ITEA) annual conference, Lowville, KY.

Zhang, M. (2008, May). *Effects of a one-on-one storybook reading project on preservice teachers' literacy orientation and their pupils' attitude toward reading*. Paper presented at the annual meeting of the International Reading Association (IRA), Atlanta, GA. (Co presenter: Xiaoping Li)

Zhang, M. (2008, Feb). *The good, the bad, and the ugly: What the NAEP scores and background questionnaire tell us about parental involvement*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), New Orleans, LA. (Co-presenters: Xiaoping Li and Phil Lundquist)

Zhang, M. (2007, July). *Principals' attitudes toward online education and their impact on hiring new teachers*. Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Milwaukee, WI. (Co-presenters: Larry Corbett, and Xiaoping Li.)

Zhang, M. (2007, July). *Who wants to be a millionaire?* Paper presented at the annual summer conference of the Association of Teacher Educators (ATE), Milwaukee, WI. (Co-presenter: Phil Lindquist).

Li, X., & Zhang, M. (2007, May). *How the nation's charter schools are faring: Findings from the National Assessment on Educational Progress (NAEP)*. Paper presented at the annual meeting of the International Reading Association (IRA), Toronto, CA.

Zhang, M. (2007, Feb.) *Data-Driven Instruction: What it means to the everyday classroom teacher*. Paper presented at the annual conference of the Association of Teacher Educators (ATE), San Diego, CA.

REFEREED NATIONAL AND INTERNATIONAL LEVEL PUBLICATIONS

Kolski, T., & Zhang, M. (2017). How read aloud and read silently interventions impact on 4th graders' reading proficiency - 2015 NAEP scores tell all. *The Charter Schools Resource Journal*, 12(1), 98-134.

- Bond, J., & Zhang, M. (2017). The impact of conversations on fourth grade reading performance - What NAEP Data Explorer tells? *European Journal of Educational Research*, 6(4), 407-417. doi:10.12973/eu-jer.6.4.407
- Zhang, M., & Li, X. (2016). Rising to the challenge - What practicing teachers learned from a video-enhanced reflective professional development project. Proceedings for *Society for Information Technology and Teacher Education*. Savannah, GA.
- Zhang, M., Li, X. & Ford, A. (2016). Designing and implementing a blended professional development project - Lessons learned. In Proceedings of EdMedia: World Conference on Educational Media and Technology 2016 (pp. 797-805). Association for the Advancement of Computing in Education (AACE).
- Li, X., & Zhang, M. (2015). Rising to the challenge: What practicing teachers learned from a process-based writing project in a graduate capstone seminar. *SAGE Open*, 5 (2) 1-17.
- Zhang, M., & Corbett, L. (2010). Online education and its potential for hiring: Perceptions from principals and superintendents. *The Charter Schools Resource Journal*, 6, 18-34.
- Zhang, M., & Li, X. (2009). Exploring the relationship between non-school factor NAEP reading scores. *STETS Language and Communication Review*, 8(1), 1-8.
- Li, X., & Zhang, M. (2008). Reconciling DIBELS and OSELA: What every childhood educator should know. *Journal of Research in Childhood Education*, 23(1) 41-51.
- Zhang M., & Li, X. (2007). Processes experienced through action research: Voices from teacher-researchers. *Singapore Tertiary English Teachers Society (STETS)*, 6(1), 21-27.
- Zhang, M., & Li, X. (2007). Inquiry-based science instruction: An effective model for professional development. *The Charter School Resource Journal*, 3, 31-49.
- Zhang, M. (2005). *Inquiry-Based Science Instruction for Teachers*. A DVD made for science teachers and educators and released by CMU FaCIT has been disseminated regionally and nationally. Co-author with Diane Newby and Xiaoping Li.
- Zhang, M., & Gallo, P. (2004). End user manual writing. In A. Feng, B., Kerr, G. Lee, J. Meyer, & M. Zhang (Eds.), *Business and technical communication: A guide for IT professionals* (pp. 119-164). Singapore: Prentice Hall.
- Li, X., & Zhang, M. (2004). Why Mei still cannot read and what can be done. *Journal of Adolescent & Adult Literacy*, 48(2), 92-101.
- Zhang, M. (2003). Language learning strategies and English language proficiency: An investigation of Chinese ESL students at NUS. In L. G. Ling, L. Ho, L. Meyer, C. Varaprasad, & C. Young (Eds.), *Teaching English to students from China* (pp. 174-192).

Singapore: Singapore University Press.

Zhang, M. (2003). Chinese Character Tutor – A software evaluation. *CALICO (the Computer Assisted Language Instruction Consortium)*. Retrieved August 26, 2003 from http://calico.org/CALICO_Review/index

Zhang, M. (2001). Language learning strategies and English language proficiency: An investigation of Chinese ESL students at NUS. *English Language Communication* (CELC publication).

Zhang, M. (2000). Metacognition and reading comprehension. *Language and Communication Review*, 2, 56-62.

Zhang, M. (2000). Real reading in English for business and management: A language learning software evaluation. *CALICO Online Journal*.

Zhang, M. (2000). A model of ESL teachers' technology training. *Working Papers on Language* (CELC publication), 6, 19-33.

Zhang, M., & Li, X. (2000). *Effects of early field experience on preservice teachers' efficacy beliefs - A pilot study*. The ERIC Database ED444973

Zhang, M., & Bieger, G. (1999). Successful communication in global culture: Language, culture, or message. *Language and Communication Review*, 1, 34-44.

Zhang M., & Li, X. (1998). Cultural learning style research and its implications to Singaporean tertiary language teachers. *Language and Communication Review*, 2, 12-21.

WORKSHOPS

Zhang, M., & Li, X. (2015, March). *iMovie - An effective tool for teaching literacy*. Paper presented at the annual conference of Michigan Reading Associate (MRA), Grand Rapids, MI.

Li, X., & Zhang, M. (2015, March). *Building academic vocabulary in the era of CCSS*. Paper presented at the annual conference of Michigan Reading Associate (MRA), Grand Rapids, MI.

Li, X., & Zhang, M. (2014, March). *Exploration of performance tasks in Smarter Balanced Assessment*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Zhang, M., & Li, X. (2014, March). *iPad's mind-mapping apps - Effective tools for learning*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Li, X., & Zhang, M. (2013, March). *Pave the road to reading for all young children*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Zhang, M., & Li, X. (2013, March). *iPad apps - Powerful tools to enhance literacy teaching*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Zhang, M., & Li, X. (2012, March). *Using web application to enhance vocabulary learning*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Li, X., & Zhang, M. (2012, March). *Standards-based explicit literacy instruction for K-8 students*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Zhang, M., & Li, X. (2011, March). *Using web apps to enhance teaching of writing in grades 4-6*. Workshop conducted at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Zhang, M. (2007, March). *Be the first one to know the tech trends*. A presentation at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

Li, X., & Zhang, M. (2007, March). *Making full use of ELA MEAP Released Item*. A workshop at the annual meeting of the Michigan Reading Association (MRA), Grand Rapids, MI.

GRANT WORK

Awarded grant of \$227,664.00 Federal Title II, Part A (3) Improving Teacher Quality Competitive Grant with Xiaoping Li and Amy Ford, 2014-2015.

Pathway to College and Career Readiness: A research-based professional development project in literacy provided needs-based professional development for 35 grades 3-8 English Language Arts Teachers, Literacy Coaches, and Special Education Teachers from Farwell Area Schools and Harrison Community Schools during the 2014-2015 school year. This project provided more than ninety hours of professional development, including weekly on-site or online coaching and classroom observations to support the teachers to implement the English Language Arts Common Core State Standards (CCSS). The goal of this project was to provide research-based, job-embedded, and technology-enhanced sustainable professional development to attain substantial and meaningful improvement in literacy achievement for all participating schools' students. I was co-principal investigator and co-director for the project.

Awarded grant of \$198,244.00 Federal Title II, Part A (3) Improving Teacher

Quality Competitive Grant with Xiaoping Li and Leonie Rose, 2005-2007.

Pathway to Increasing Student Achievement in Reading and Writing: A Research-Based Professional Development Project in Literacy provided focused professional development to teachers at George Washington Carver Academy in Highland Park and Michigan Automotive Academy in Detroit during the 2005-2006 and 2006-2007 school years. Sixteen days of professional development to prepare teachers to implement research-based best practices for literacy instruction and assessment in K-8 classrooms were followed with weekly, on-site teacher coaching. I was the technical consultant designing the grant websites for teacher Professional Development. I was in charge of the workshops on assessment for the grant.

Awarded Federal Title II Improving Teacher Quality Professional Development Grant of \$ 98, 966.00, *Inquiry-Based Science Instruction for Teachers: A Partnership Between Central Michigan University and Highland Park School District*, with Dr. Diane Newby, January 2003.

The purpose of this project was to provide a series of professional development experiences that encouraged 33 Highland Park elementary classroom teachers to use inquiry-based science instruction, as well as integrate writing literacy and equity teaching approaches into their science lessons. I was co-principal investigator and co-director for the project.

Two Internally Funded Grants

iPad initiative in the amount of \$17,427.45 granted by the College of Education and Human Services' Dean's office (2013).

3D Printer in the amount of \$9,249.00 granted by the College of Education and Human Services' Dean's office (2015)

AFFILIATIONS

American Educational Research Association (AERA)
Association of Teacher Educators (ATE)
Association of Supervision and Curriculum Development (ASCD)

International Literacy Association (ILA)
International Society of Technology for Education (ISTE)
Kappa Delta Pi, International Honor Society in Education (KDP)
Michigan Education Association (MEA)
Michigan Reading Association (MRA)