**QIU WANG Ph.D. Associate Professor**

Measurement and Research Methodology

Department of Higher Education

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**Education**

Ph.D. 2010, Michigan State University

Department of Counseling, Educational Psychology and Special Education

Major: **Statistics** Minor: **Measurement**

Program: **Measurement and Quantitative Methods**

M.S. 2004, Michigan State University

Department of Statistics and Probability

Program: **Applied Statistics**

M.A. 1999, Peking University, China

Department of Psychology

Program: **Experimental Psychology**

B.A. 1993, Henan University, China

Department of Education

Major: **Psychology**

**Work Experiences**

2018-2019 Distinguished Professor, East China Normal University, China

2017-present Associate Professor, Syracuse University

2011- 2016 Assistant Professor, Syracuse University

2010-2011 Assistant Professor, Purdue University

2006-2010 Teaching/Research Assistant, Instructor, Michigan State University

2004-2006 Teaching/Research Assistant, Florida State University

2002-2004 Research Assistant, Michigan State University

1998 - 2000 Lecturer, Tsinghua University, China.

1996-1999 Research Assistant, Peking University, China

1993-1996 Lecturer, Luoyang Teachers’ College, China

**Research Methodology and Applied Statistics Courses (2008-present):**

2011-Present School of Education, Syracuse University

* EDU 616 Understanding Educational Research
* EDU 647 Statistical Thinking & Applications
* EDU 737 Quantitative Research Design
* EDU 791 Advanced Seminar in Quantitative Research Methods
* EDU 886 Multivariate Research Methods
* EDU 888 Structural Equation Modeling/Factor Analysis

2010-2011 College of Education, Purdue University

* EDPS 531 Introduction to Educational Measurement and Evaluation
* EDPS 630 Research Procedures in Education
* EDPS 638 Factor Analysis
  1. College of Education, Michigan State University
* CEP933 Quantitative Methods in Educational Research
* CEP935 Multivariate Data Analysis II- Hierarchical Linear Model

**Grants (**Ongoing/Pending, [Click to see Finished Grants](#FinishedGrants)**)**

**Senior Personal/Statistician** in Victoria Tumanova (2021-2023). *The influence of contextual and constitutional emotional processes on speech motor control and speech motor practice effects in early childhood stuttering*. $450,000.000. NIDCD Early Career Research (ECR) Award. **Funded (2/3/2021)**

**Co-PI**  in Lai, C., Ma, Q., & **Wang, Q.** (2021-2023) *Exploring Mechanisms to Enhance Self-Directed Language Learning with Everyday Technological Resources beyond the Classroom.* The Research Grants Council, General Research Fund, Hong Kong. HK$ 889,640. **Pending.**

**Consultant/Statistician** in Solman, P & Horton, J. A. (2021-2023). *Multimodal bioprinting technology to generate large scale vascularized tissue constructs*. $350,000.000. R01 Grant, NIH. **Pending**.

**Co-I**  in Razza, R. & **Wang, Q.** (2021-2024) *Cultivating Calm, Compassion, And Care Among Urban Minority Adolescents.* Spencer Foundation. $ 75,000. **Pending.**

**Consultant/Statistician** in Solman, P & Horton, J. A. (2020-2022). *High-throughput Single Cell Mechanomics*. $230,000.000. R21 NIH Award.  **Fundable**

Co-Investigator: Zhu, P., Liu, Y., Luke, M. M., & **Wang, Q.** (2020). The Development and Initial Validation of the Cultural Humility and Enactment Scale in Counseling. Awarded $900.00 through Syracuse University School of Education Research and Creative Grant. **Funded**

Co-Investigator: Zhu, P., Liu, Y., Luke, M. M., & **Wang, Q.** (2020). The Development and Initial Validation of the Cultural Humility and Enactment Scale in Counseling. Awarded $1625.00 through Association for Assessment and Research in Counseling (AARC) Sponsored Scholarship Program. **Funded**

**Co-PI**  in Lai, C., Benson, M., & **Wang, Q.** (2018-2021) *The Relationship between Learners’ Out-of-Class* *Autonomous Technology-Enhanced Language Learning and Their Vocabulary Knowledge*, The Research Grants Council, General Research Fund, Hong Kong. HK$593,321. **Funded.**

**Publications**

**Book & Book Chapters (\*\*: Peer-Reviewed)**

**Wang, Q**. & Wan, G. (In Progress). *Life-long Learning: The Education of the Aging Population*. Charlotte, NC: IAP

**Wang, Q.** Felver, J. & Wan, G. (In Progress). *Mindfulness Education: Translational and Applied Research in Post-COVID Era*. Charlotte, NC: IAP

Grimes, D., **Wang, Q.** & Lin, H. (**2018**) *Empirical Studies of Contemplative Practices*. Hauppauge, NY: NOVA

**Wang, Q.** & Cheng, J. (**2018**) Research design and statistical modeling in Contemplative Meditation Studies. In D. Grimes, Q. Wang, & H. Lin (Eds.) *Empirical Studies of Contemplative Practices*. Hauppauge, NY: NOVA

**\*\*Wang, Q**. (2015) [Propensity score matching on multilevel data](http://www.guilford.com/books/Propensity-Score-Analysis/Pan-Bai/9781462519491/contents). In W. Pan and H. Bai (Eds.) *Propensity Score Analysis: Fundamentals and Developments* (pp.217–235). New York, NY: Guilford

Leong, F.T.L., Diemer. M.A. & **Wang, Q**. (2009). Cross-cultural test cases. In L. Eyde*,* G.J. Robertson & S.E. Krug (Eds.), *Responsible test use: Case studies for assessing human behavior* (Second Ed.). Washington, D.C.: American Psychological Association.

Sun, P., Yang, Y., Lei, J., Chen, Q., He, W., **Wang, Q.,** Pu, J., Banghart, R., & Dirkin, K., (2004) *New Era Interactive English: Level Four*. Tsinghua University Press. Beijing.

**Peer Reviewed Papers**

* Zhang, Y., Razza, R., **Wang, Q.**, Bergen-Cico, & Liu, Q. (**under review**). Mechanisms of Change Underlying Mindfulness-Based Practice Among Adolescents. *Mindfulness*
* Liu, J.X., Guo, S. & **Wang, Q.** (**Under Review**). Effective learning during COVID-19: multilevel covariates matching and propensity score matching. *Annals of Data Science*
* Zhang, L., Cheng, J., Lei, J., & **Wang, Q.** (**R&R**). How the Anonymous Feature of Audience Response System Influences the Interactions of Students by Different Types of Questions. *Journal of Educational Technology Development and Exchange (JETDE)*.
* Redmond, J., Barreira, T., **Wang, Q**., & Tom D. Brutsaert (**Under Review**). Size at birth predicts adult grip strength among young adults born to term. Submitted for *Journal of Developmental Origins of Health and Disease*.
* **Wang, Q., &** Maier, K. (**In preparation for resubmission**). Empirical Bayes Cutoff Points and Classification Analysis on Hierarchical Dropout Data*.* Manuscript submitted to *Educational and Psychological Measurement*.
* Fantacone, D. A. & **Wang, Q.** (In **preparation** for submission). Professional Development of Science Teachers: A Q-sort Study.
* Lai, C. & **Wang, Q.** (In **preparatio**n and model building). How Attitudes Moderate Social Media Use on Learning Motivation of Students with Diverse Cultures.

1. Helminen, E. C., Morton, M. L., **Wang, Q.**, & Felver, J. C. (**Accepted**) Stress reactivity to the Trier Social Stress Test in traditional and virtual environments: A meta-analytic comparison. *Psychosomatic Medicine*
2. Benway, N. R., Garcia, K., Hitchcock, E., McAllister, T., Leece, M. C., **Wang, Q.,** & Preston, J. L. (2021). Associations Between Speech Perception, Vocabulary, and Phonological Awareness Skill in School-Aged Children With Speech Sound Disorders. *Journal of Speech, Language, and Hearing Research, 64*(2), 452-463. <https://doi.org/10.1044/2020_JSLHR-20-00356>
3. Hall, J., Lei, J. & **Wang**, Q. (First online **11/12/2020**) The First Principles of Instruction: An Examination of their Impact on Preservice Teachers’ TPACK. *Educational Technology Research and Development.* [*https://link.springer.com/article/10.1007/s11423-020-09866-2*](https://link.springer.com/article/10.1007/s11423-020-09866-2)
4. White, J. & **Wang, Q.** & Coiser, M. (First online 16 Sep **2020**). Exploring Factors Related to Access to General Education Contexts for Students with Intellectual Disability: A Survey of District Special Education Administrators in One State. *International Journal of Inclusive Education.* [*https://doi.org/10.1080/13603116.2020.1818140*](https://doi.org/10.1080/13603116.2020.1818140)
5. Liu, R.X., Wang, L. Lei, J., **Wang, Q.** & Ren, Y. (First online 13 September **2020**). Effects of an immersive virtual reality-based classroom on students’ learning performance in science lessons. *British Journal of Educational Technology*. <https://doi.org/10.1111/bjet.13028>
6. Victoria Tumanova, Carly Woods, & **Qiu Wang.** (First online 9/15/**2020**). Effects of physiological arousal on speech motor control and speech motor practice in preschool-age children who do and do not stutter. *Journal of Speech, Language, and Hearing Research*. <https://doi.org/10.1044/2020_JSLHR-20-00092>
7. Zhang, Y. & **Wang, Q. (First online 1/29 2020**). Content learning opportunities, computer-based instruction, and students’ mathematics and science achievement. *International Journal of Mathematical Education in Science and Technology.* *<https://doi.org/10.1080/0020739X.2020.1717659>*
8. White, J. M., Li, S., Ashby, C. E., Ferri, B., **Wang, Q.**, Bern, P., & Cosier, M. (2019). Same As It Ever Was: The Nexus of Race, Ability, and Place in One Urban School District. *Educational Studies*, 55(4), 453-472.
9. Li, Y., Lei, J., **Wang, Q.** & Luo, S**.** (**2019**). Exploring technology professional development needs of digital immigrant teachers and digital native teachers in China. *International Journal of Information and Communication Technology Education*. 15(1), 32-48. <https://sicet.org/main/wp-content/uploads/2019/12/3_Li.pdf>
10. Helminen, E. C., Morton, M. L., **Wang, Q.**, & Felver, J. C. (First online, 5 Sept. 2019). A meta-analysis of cortisol reactivity to the Trier Social Stress Test in virtual environments. *Psychoneuroendocrinology*. *110 (2019) 104437.* [*https://doi.org/10.1016/j.psyneuen.2019.104437*](https://doi.org/10.1016/j.psyneuen.2019.104437)
11. Li, Y., **Wang, Q.** & Lei, J**.** (Frist online: 15 Apr **2019**). Modeling Chinese teachers' attitude towards using technology for teaching with a SEM approach. *Computers in the Schools*. 36(2), 122-141. <https://www.tandfonline.com/doi/full/10.1080/07380569.2019.1600979>
12. Cosier, M., White, J., & **Wang, Q.** (**2018**). Examining the Variability in Inclusive Placements for Students with Intellectual Disability. *International Journal of Whole Schooling.* *14(2), 16-52.*
13. **Wang, Q.,** Houang, R. & Maier, K. (**2018**). Multilevel Structural Equation Modeling-Based Quasi-Experimental Synthetic Cohort Design. *Behaviormetrika.* *45(2), 261-294.* [https://doi.org/10.1007/s41237-018-0053-0](http://em.rdcu.be/wf/click?upn=lMZy1lernSJ7apc5DgYM8VjzndJmtDhhhQAqNXVjkCo-3D_m46bS9cF8wlETI0zLLmw1IPcVm7txAETscTBs8r6wZNpp2RCVmf-2Fu-2BvvFJbifnawrrU3bS7FjGww1EiDiXeRZ9LGXAiYY3Db8Arj6hKClkYS-2FIq9cT79KDe0ss8n52sKRJVcwoQ0hNYf4FgJ9SVRztk4Mad1M9VKHREPZExdjE3dd1TPgm5szdlwNuDPzBWZ75uoGP6wL0ji-2F1EIKqAa5YXVBwQRAk-2F76habocnPNijgPNB6j09AqnyaC4q325OIxnexgoZW4J7S9Rp846JKuA-3D-3D).
14. Costa, MR, Bergen-Cico, D., Herrero, R., Navarro, J,. Razza, R. & **Wang, Q.** (2018) xR-based systems for mindfulness based training in clinical settings. p. 31-39 In Chen J., G Fragomeni, G. (eds.) Virtual, Augmented and Mixed Reality: Applications in Health, Cultural Heritage, and Industry. Volume 1. Springer, Switzerland. <https://link.springer.com/chapter/10.1007/978-3-319-91584-5_3>
15. Zhang, D., **Wang, Q**., Stegall, J. B., Losinski, M. (**2018**) The Construction and Initial Validation of the Special Education Teaching Efficacy Scale. *Remedial and Special Education*, 39(1), 39-52 [Impact Factor: 2.016, Ranking: Special Education, 4 out of 39] doi: 10.1177/0741932516686059
16. **Wang, Q.,** Houang, R &. Maier, K. (**2017**). Bias Reduction Rates for Latent Variable Matching versus Matching through Surrogate Variables with Measurement Errors. *Interdisciplinary Education and Psychology.* 1(1):9. <https://doi.org/10.31532/InterdiscipEducPsychol.1.1.009>
17. Lai, C., Li, X. **Wang, Q**. (**2017**). Cross-Cultural Comparison of Teacher Impact on Students' Self-Directed Language Learning with Technology: Cases of Hong Kong and U.S. *Educational technology research and development*. 65(4), 1105-1133 [SJR: 1.82, H index: 63, Rank #40 out of 1066 education journals <http://www.scimagojr.com/journalrank.php?category=3304>] DOI: 10.1007/s11423-017-9523-4
18. **Wang, Q.,** Maier, K. & Houang, R. (**2017**). [Omitted Variables, R2, and Bias Reduction in Matching Hierarchical Data: A Monte Carlo Study](http://scientificadvances.co.in/admin/img_data/1152/images/JSATA7100121791QiuWang.pdf). *Journal of Statistics: Advances in Theory and Applications,* 17(1), 43-81 [Global Impact and Quality Factor: 1.210 in 2015 &1.531 in 2016] DOI: <http://dx.doi.org/10.18642/jsata_7100121791>
19. Lei, J., Luo, H., **Wang, Q.**, Shen, J., Lee, S, & Chen, Y. (2016). Using Technology to Facilitate Modeling-Based Science Education: Lessons Learned from a Meta-analysis of Research. *Journal of Educational Technology Development and Exchange*, 9(2), 57-87.
20. Lai, C. **Wang, Q.** Li, X. & Hu, X. (2016) The influence of Individual Espoused Cultural Values on Self-Directed Use of Technology for Language Learning beyond the Classroom, *Computers in Human Behavior,* 62, 676–688. [Impact factor 2.694 in 2014] [doi:10.1016/j.chb.2016.04.039](http://dx.doi.org/10.1016/j.chb.2016.04.039)
21. **Wang, Q**. (2015) Propensity score matching on multilevel data. In W. Pan and H. Bai (Eds.) *Propensity Score Analysis: Fundamentals and Developments* (pp.217–235). New York, NY: Guilford (**Peer-reviewed book & chapter)**

<http://www.guilford.com/books/Propensity-Score-Analysis/Pan-Bai/9781462519491/contents>

1. Lai, C., Gao, F., & **Wang, Q.** (2015). Bicultural orientation and Chinese language learning among south Asian ethnic minority students in Hong Kong. I*nternational Journal of Bilingual Education and Bilingualism,* 18(2), 203-224.[2013 Impact Factor **0.878** | Ranking: 52/169 (Linguistics) | 83/219 (Education & Educational Research)] <http://dx.doi.org/10.1080/13670050.2014.887054>
2. Pan, Y., **Wang, Q.**, & Willoughby, M.T. (**2015**). A Comparison of Three Approaches for Evaluating Autoregressive and Cross Lagged Effects. *Journal of Statistics: Advances in Theory and Applications*, 13(2), 135-157. [Global Impact and Quality Factor: 0.895 in 2014 &1.210 in 2015] doi: <http://dx.doi.org/10.18642/jsata_7100121479>
3. Li, Y., **Wang, Q**. & Campbell, J. (**2015**) Investigating Gender and Racial/Ethnic Heterogeneity in Use of Course Management System in a Public University. *Education Sciences*. 5(2), 179-198. doi:[10.3390/educsci5020179](http://dx.doi.org/10.3390/educsci5020179)
4. Zhang, D., **Wang, Q.**, Ding, Y. & Liu, J. J. (2014) Testing accommodation or modification: the effects of integrated object representation on enhancing geometry performance in children with and without geometry difficulties. *Journal of Learning Disabilities.* 47(6),569–583 [Impact Factor: **2.025** | Ranking: Education, Special 5 out of 37 | Rehabilitation (SSCI) 6 out of 69]

[doi: 10.1177/0022219413507602](http://ldx.sagepub.com/content/early/2013/10/28/0022219413507602)

1. Zhang, D., **Wang, Q.,** Losinski, M.& Katsyannis, A. (2014). An examination of pre-service teachers’ intentions to pursue a career in special education. *Journal of Teacher Education.* 65(2), 165–171[Impact Factor: **2.208** | Ranking: Education & Educational Research 17 out of 219]<http://jte.sagepub.com/content/65/2/156.abstract>
2. **Wang, Q.,** Diemer, M. A. & Maier, K. S. (2013). Applying Bayesian modeling and receiver operating characteristic methodologies for test utility analysis. *Educational and Psychological Measurement.* 73(2), 275–292 [5-Year Impact Factor: **1.167** | Ranking: Psychology, Mathematical 6 out of 13 | Psychology, Educational 23 out of 53 | Mathematics, Interdisciplinary Applications 38 out of 95] <http://dx.doi.org/10.1177/0013164412455027>
3. Lai, C., **Wang, Q.** & Lei, J. (2012). What factors predict students’ use of technology for learning? A case from Hong Kong. *Computers & Education*. 59(2), 569–579. [Impact Factor: **2.630**, 3.242(5-Year) | Source Normalized Impact per Paper (SNIP): **3.292** |SCImago Journal Rank (SJR): 2.558] <http://dx.doi.org/10.1016/j.compedu.2012.03.006>
4. Liu, H., & **Wang, Q**., Keesler, A.V. & Schneider, B. (2011) Nonstandard work schedules, work-family conflict and parental well-being: Variations across family structures. *Social Science Research. 40*, 473–484.[Impact Factor: 1.515, **2.121**(5-Year) | Source Normalized Impact per Paper (SNIP): **1.393** |SCImago Journal Rank (SJR): 1.393]
5. Diemer, M.A., **Wang, Q.**, Moore, T., Gregory, S., Hatcher, K. & Voight, A.M. (2010). Sociopolitical development, work Salience, and vocational expectations among poor African American, Latino/a, and Asian American youth. *Developmental Psychology, 46(3),* 619–635*.* [ISI Impact Factor: **3.782** | Ranking: Psychology - Developmental: 7 of 65] <http://204.14.132.173/pubs/journals/releases/dev-46-3-619.pdf>
6. Diemer, M.A., **Wang, Q**. & Smith, A.V. (2010). [Vocational interests and college major selection among youth of color in poverty](http://www.researchgate.net/profile/Matthew_Diemer/publication/230779304_Vocational_Interests_and_Prospective_College_Majors_Among_Youth_of_Color_in_Poverty/links/0912f50456d0bc6967000000.pdf). *Journal of Career Assessment, 18(1)*, 97–110. [Impact Factor: **1.357** | Ranking: Psychology, Applied 29 out of 75]
7. Vaughn, B. K., & **Wang, Q.** (2010). DIF trees: Using classification trees to detect differential item functioning. *Educational and Psychological Measurement*, 70(6) 941–952.[5-Year Impact Factor: **1.167** | Ranking: Psychology, Mathematical 6 out of 13 | Psychology, Educational 23 out of 53 | Mathematics, Interdisciplinary Applications 38 out of 95]
8. Diemer, M. A., **Wang Q**. & Dunkle. J. H. (2009). Counseling center intake checklists at academically selective institutions: Practice and measurement implications. *Journal of College Student Psychotherapy*, 23(2), 135-250. [Impact Factor: **NA** |SCImago Journal Rank (SJR, 2012): **0.345**]
9. Lei, J., Zhou, J., & **Wang, Q.** (2009). Internet use among middle school students in school and at home: What can we learn from a US-China comparison? *Computers in the Schools.* 26 (2), 147–164. [Impact Factor: NA |SCImago Journal Rank (SJR, 2011): **0.900**] <http://www.informaworld.com/smpp/content~db=all~content=a912018952>
10. Vaughn, B. K., & **Wang, Q**. (2009). Classification based on hierarchical linear models: The need for incorporation of social contexts in classification analysis. *Journal on Educational Psychology*, 3(1), 34–42. [2012 Global Impact Factor: **0.43**] <http://search.proquest.com/docview/1473907401?accountid=14214>
11. Vaughn, B., & **Wang, Q**. (2008). Classification based on tree-structured allocation rules. *Journal of Experimental Education*, 76(3) 315–340 [Impact Factor: 1.09, **1.64**(5-Year)]

**Dissertation, Thesis, & Technical Report**

Schneider, B.L., Gates, F.L., Keesler, V., Diemer, M.A., Ford, T., Grogan, E., Guarino, C., Jones, N., Keesler, J., McDonald, S., **Wang, Q**., Wyse, A. & Zhou, Y. (2007). *Beyond compliance: Descriptive characteristics of public school teachers in Michigan.* Technical report submitted to Michigan Department of Education.

**Wang, Q**. (1999) *Experimental Study on Causality Attribution and Implicit Memory of Chinese College Students.* Master's degree thesis, Beijing University, 1999

**Wang, Q.** (1995) A Comparison on the Psychological Theories of Aristotle and Confucius. *Journal of Luoyang Teachers College*, 1995, V14, No. 1, p 28-34.

**Peer-Reviewed Conference Presentations/Proceedings**

1. Zhang, L., Yang, T., Niu, Z., Lei, J., & **Wang, Q.** (**Accepted**). *Using a Digital Canvas to Improve Student Interaction and Engagement in Large Lecture Classes*. Paper submitted to the Annual Meeting of the Association for Educational Communication and Technology (AECT) 2020.
2. Zhang, L., Cheng, J., Lei, J., **Wang, Q.** & Yang, F. (**Accepted**). *The Use of a Digital Question Board to Encourage Student Questioning and Improve Engagement in Large Lecture Classes.* Paper submitted to the Annual Meeting of the Association for Educational Communication and Technology (AECT) 2020.
3. **Presenter/Author** in Lei, Jing; **Wang, Qiu**; Cheng, jiaming; Yang, Tianxiao; Liu, Yang (**Accepted**). How the Design Features Affect Student Learning Outcomes in MOOCs: Meta-analysis of Peer-Reviewed Empirical Studies from 2009-2020. Paper submitted to World Education Research Association Focal Meeting 2020 (WERA 2020), July 1-3, Galicia, Spain.
4. Zhu, P., Liu, Y, Luke, M., & **Wang, Q.** (June 2020). The Development and Initial Validation of the Cultural Humility and Enactment Scale in Counseling. Society for Psychotherapy Research Annual International Conference. Amherst, MA.
5. **Organizer/Discussant** for Symposium Life-long Learning: The Education of the Aging Population in China, Symposium **accepted** for presentation at the World Education Research Association Focal Meeting 2020 (WERA 2020), July 1-3, Galicia, Spain.
6. Mark R. Costa, Dessa Bergen-Cico, Leanne Hirshfield, Rachel Razza, **Qiu Wang (Accepted)** Virtual Reality Supported Mindfulness-Based Stress Reduction: Perceived restorativeness, Meditation Depth, and Presence, Invited Proceeding Paper for the Human-Computer Interaction International (HCII) 2020, 19-24 July, Copenhagen, Denmark
7. Zhang, L., Lei, J., **Wang, Q**., Cheng, J., & Yang, T. (**Accepted**). *Digital Natives As Preservice Teach.ers: What Technology Do They Use and How.* Paper presented for presentation at the AERA Annual Meeting, San Francisco, California, Friday, April 17 – Tuesday, April 21, 2020.
8. White, J., **Wang, Q.,** Cosier, M., Si.Q., Ferri, B.,& Burn, P. (**Accepted**). *Mapping Access and Opportunity: K-8 Urban Schools as Enclaves of Privilege*. Paper presented for presentation at the AERA Annual Meeting, San Francisco, California, Friday, April 17 – Tuesday, April 21, 2020.
9. White, J., **Wang, Q.,** Cosier, M., Si.Q., Ferri, B.,& Burn, P. (**Accepted**). *What’s disability got to do with it?”: Social Contexts of education and its intersectionalities*. Paper Presented for presentation at the AERA Annual Meeting, San Francisco, California, Friday, April 17 – Tuesday, April 21, 2020.
10. Lei, J., Zhang, L., **Wang, Q**., Cheng, J., & Yang, T. (2019*). Digital Natives as Preservice Teachers: What Technologies do They Know and How*? Paper presented at the Annual Meeting of the Association for Educational Communication and Technology (AECT), Las Vegas, NV. October 21-25, 2019.
11. Zhang, L., Cheng, J., Lei, J., & **Wang, Q.** (2019). *The Use of Digital Question Board to Facilitate Large Lecture Class. Paper presented at the Annual Meeting of the Association for Educational Communication and Technology (AECT)*, Las Vegas, NV. October 21-25, 2019.
12. **Wang, Q.** (2019). Introspective Human-Centered Computation and Latent Statistical Modeling on Intensive Contemplative Data. 2019 the 9th International Workshop on Computer Science and Engineering (WCSE 2019) Hong Kong, June 15-17, 2019.
13. White, J., **Wang, Q.**, Ashby, C., & Ferri, B. (2019). *Same as it Ever Was: Mapping Inequity in One Urban School District.* Paper Accepted for presentation at the AERA Annual Meeting, Toronto, Canada, April 6-12, 2019.
14. Rachel Razza, Ying Zhang, **Qiu Wang** (**2019**). Positive Development in Adolescence: Reciprocal Links Between Facets of Self-Compassion and Self-Regulation. Presentation at the Society for Research in Child Development (SRCD) Biennial Meeting, March 21-23, 2019, Baltimore, USA.
15. Allie Keller, Wesley K Lefferts, Jaqueline A Augustine, Jacob P DeBlois, **Qiu Wang**, Kevin Heffernan. The Relationship Between Body Mass Index and Aortic Stiffness in Females Across the Lifespan. Presentation Accepted for the American College of Sports Medicine (ACSM) National Conference, May 28th to June 1st, 2019 Orlando, USA
16. Mark R. Costa, Dessa Bergen-Cico, Trevor Grant, Rocio Herrero, Jessica Navarro, Rachel Razza, **Qiu Wang** (Accepted and Preceding-published). Virtual Forest Scenes for Guided Mindfulness Training: Presence, Perceived Restorativeness and Meditation Session Quality. Invited Paper for the Human-Computer Interaction International (HCII) 2019 Conference, Orlando, FL, USA
17. Costa, M. R., Bergen-Cico, D., Navarro, J., Possemato, K., Razza, R., & **Wang, Q**. (2018). *xR-based systems for Mindfulness Based Training in clinical settings*. Accepted for publication In HCI International 2018 Conference Proceedings. Las Vegas: Elsevier.
18. White, J., **Wang, Q.**, Cosier, M, Si.Q. & Burn, P. (**2018**). *University-Urban School District Partnership for Special Education Reform: Findings from Analysis of Student Data.* Presented at AERA Annual Meeting, New York: New York City.
19. White, J., **Wang, Q.,** Cosier, M., Si.Q. & Burn, P. (**2018**). *The Nexus of Race, Ability, and Place in One Urban School District: Mapping for Reform.* Presented at AERA Annual Meeting, New York: New York City.
20. Lei, J., **Wang, Q.,** Cheng, J., Yang, T. & Yang, X. (**2018**). What Makes the Difference in Learning Outcomes in MOOCs: Results from a Meta-analysis of Peer-Reviewed Empirical Studies. Presented at AERA Annual Meeting, New York: New York City.
21. Yang, X., Yang, T., Lei, J., **Wang, Q**. & Cheng, J. (**2018**) Effectiveness of Hybrid Massive Open Online Course (HMOOC): A Meta-analysis from the Research Design Perspectives. Presented at AERA Annual Meeting, New York: New York City.
22. Lin, H., Fernandes, S.L., Rajinikanth, V.& **Wang, Q.** (2017) *Contemplative Study with Data Analytics.*  Presented at The 9th Annual Association for Contemplative Mind in Higher Education (ACMHE) Conference on Contemplative Practice and Justice, October 27 – 29, Scotts Valley, CA
23. Lei, J., **Wang, Q.,** Cheng, J., & Yang, T. (2017). Achievements and Challenges of MOOCs: Results from a Meta-analysis. Paper accepted for presentation at the 2017 Association for Educational Communications and Technology (AECT) convention. November 6-11, 2017, Jacksonville, Florida.
24. Cosier, M., **Wang, Q.** &White, J. (**2017**). *Examining the Variability in Access to General Education Contexts for Students with Autism*. Paper presented at AERA Annual Meeting, 2017.
25. White, J., **Wang, Q.** & Cosier, M. (**2017**). *Access to General Education for Students with Intellectual Disability: A Survey of District Administrators.* Paper presented at AERA Annual Meeting, 2017.
26. Cosier, M., White, J., **Wang, Q.** & Gao, P. (2016, April). *Examining the variability in inclusive placements for Students with Intellectual disability: Analysis of policy and Implementation*. Paper presented at the AERA Annual Meeting, New York City, April 10, 2016.
27. White, J., **Wang, Q.**, Cosier, M., Gao, P. & Theoharis, G. (2016, April). *Findings From a Survey of Special Education Administrators’ Attitudes Toward Access to General Education.* Paper presented at the AERA Annual Meeting, New York City, April 8, 2016.
28. Lei, J., Luo, H., **Wang, Q.**, Chen, Y., Shen, J., & Sung H.L. (2014, April). *Using Technology to Facilitate Modeling-Based Science Education: Lessons Learned from a Meta-analysis of Research in 2000-2010*. Paper presented at the AERA Annual Meeting, Philadelphia April 3-7, 2014.
29. Zhang, D., **Wang, Q.**, Stegall, J. B., Losinski, M. ( 2014, April) *The Construction and Initial Validation of the Special Education Teaching Efficacy Scale*. Presented at Council for Exceptional Children (CEC) 2014, Philadelphia, PA.
30. Smith, E., & **Wang, Q.** (2013). *Noncognitive Variables and Baccalaureate Nursing Student Success: A Sequential Regression Analysis*. Paper presented at American Educational Research Association (AERA) Annual Meeting, 2013, San Francisco, California.
31. Pan, Y., **Wang, Q.** (2013).*Threshold Effects of Center-Based Child Care on At-Risk Children's Academic Performance*. Paper presented at American Educational Research Association (AERA) Annual Meeting, 2013, San Francisco, California.
32. Zhang, D., **Wang, Q**., Losinski, M., Stegall, J. & Katsiyannis, A. (2013). *An examination of pre-service teachers’ career intentions in pursuing special education careers*. Paper presented at American Educational Research Association (AERA) Annual Meeting, 2013, San Francisco, California.
33. Zhang, D., **Wang, Q.**, Losinski, M. & Stegall, J. (2013). *Pre-service teachers’ career intentions in pursuing special education careers*. Presented at Council for Exceptional Children (CEC) 2013. San Antonio, Texas.
34. Zhang, D., **Wang, Q.**, Ding, Y., & Liu, J. (2013). *Testing accommodation or modification? The effects of visual chunking on enhancing visual imagery abilities in children with and without math disabilities*. Paper presented at Council for Exceptional Children (CEC) 2013. San Antonio, Texas.
35. **Wang, Q.** & Diemer, M. A. (2012). *Occupational interests and self-efficacy: How to best predict lower-SES youths’ STEM college major selection*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Vancouver, 2012
36. **Wang, Q.** & Pan, Y. (2012). *Multiple imputation in longitudinal path modeling using WinBUGS*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Vancouver, 2012
37. **Wang, Q**., Maier, K. S. & Houang, R. (2012). *Omitted variables, R-square, and bias reduction in matching: A Monte Carlo study*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Vancouver, 2012
38. Pan, Y., **Wang, Q.** & Willoughby, M. (2012). *Effects of Higher-Quality Pre-Kindergarten - Grade 3 Education for At-Risk Children on Long-Term Development*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Vancouver, 2012
39. Lai, C., **Wang, Q.** & Lei, J. (2012). *What Factors Predict Students’ Use of Technology for Learning?: A Case from Hong Kong*. Paper presentedat American Educational Research Association (AERA) Annual Meeting, Vancouver, 2012
40. **Wang, Q.,** Maier,K., & Houang, R. (2011). *Structural Equation Modeling Based Quasi-Experimental Synthetic Cohort Design*. Paper presented at annual conference of the Society for Research on Educational Effectiveness (SREE), Washington, D.C., March, 2011
41. **Wang, Q.,** Maier,K., & Houang, R. (2011). *Propensity Score Matching and Measurement Error: A Mont Carlo Study*. Paper presented at annual conference of the Society for Research on Educational Effectiveness (SREE), Washington, D.C., March, 2011
42. **Wang, Q.,** Houang, R. & Maier, K. (2011). *Dual Matching on Hierarchically Structured Data: A Simulation Study*. Paper presented at American Educational Research Association (AERA) Annual Meeting, New Orleans, April, 2011
43. **Wang, Q.**, Houang, R. & Maier, K. (2011). *A Simulated Comparison of Bias Reduction Rates for Matching through Latent Variable versus Matching through Surrogate Variables with Measurement Errors*. Paper presented at American Educational Research Association (AERA) Annual Meeting, New Orleans, April, 2011
44. **Wang, Q.**, Houang, R. & Maier, K. (2011). *Comparison of Synthetic Cohort Design and Solomon Four Group Design in Structural Equation Modeling Framework*. Paper presented at American Educational Research Association (AERA) Annual Meeting, New Orleans, April, 2011
45. **Li, Y.** & **Wang, Q.** (2011). Co*mpare Model Performance of Decision Tree with Mantel-Haenszel, Logistic Regression, IRT Likelihood Ratio, and MIMIC for Detecting DIF in Simulated Dichotomous Data*. Paper presented at the Annual Meeting of NCME, New Orleans, 2011
46. Pan, Y., & **Wang, Q.** (2011) *Investigate Autoregressive and Cross Lag Effects in Longitudinal Data Analysis: A New Approach*. Paper presented at American Educational Research Association (AERA) Annual Meeting, New Orleans, 2011
47. **Wang, Q.** & Diemer, M. (2010). *Hierarchical Bayesian ROC Analysis on Diagnostic Testing in Career Assessment*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Denver, 2010
48. **Wang, Q.** ,Vaughn, B., & Maier, K. (2010). *Multilevel Classification Modeling with Empirical Bayesian Cutoff points on Dropout Data*. Paper presented at American Educational Research Association (AERA) Annual Meeting, Denver, 2010
49. Maier, S. K. **Wang, Q.**, Hsieh, C., Zhang, C, Lee, C, Reyes-Gastelum, D. and Lee ,J. (2010).*The Impact of Measurement Error: A Study of Four Correction Approaches.* Paper presented at Society for Research on Educational Effectiveness (SREE) 2010 Conference.
50. Liu, H, **Wang, Q**., Keesler, A.V. & Schneider, B. (2009). *Nonstandard Work Schedules Work Family Conflict and Parental Well Being*. Paper presented at American Sociology Association (ASA) Annual Conference for presentation, 2009
51. Lei, J., Lu, L. & **Wang, Q.** (2009). [*Digital Natives as Preservice Teachers: What Technology Preparation Is Needed?*](http://convention3.allacademic.com/one/aera/aera09/index.php?click_key=1&cmd=Multi+Search+Search+Load+Publication&publication_id=290827&PHPSESSID=90ebd018fa2364584dd4be2dc899b04d) Paper presented at American Educational Research Association (AERA) Annual Meeting, San Diego, April, 2009
52. Vaughn, B. & **Wang, Q.** (2009). *Consequence of Ignoring a Level of Nesting in Classification Procedures*. Paper presented at AERA Annual Conference, San Diego, April, 2009
53. Diemer, M.A., **Wang, Q.** & Smith, A.V. (2008). *Vocational interests and college major selection among Youth of Color in Poverty*. Paper presented at American Psychology Association (APA) Annual Convention, Boston, August 17-20, 2008
54. **Wang, Q.**, Frank, K. & Thum, Y. M. (2008). *Considering the hierarchical structure of covariates when estimating the propensity scores in causal inference*. Paper **presented** at American Educational Research Association (AERA) Annual Meeting, New York, 2008
55. Vaughn, B. & **Wang, Q.** (2008).*DIF Trees: Using Classification Trees to Detect Differential Item Functioning*. presented at American Educational Research Association (AERA) Annual Meeting, New York, 2008
56. Diemer, M.A., **Wang, Q.,** Moore, T., Gregory, S., Hatcher, K., Robinson, K. & Voigt, A. (2007, June). *Sociopolitical development and work salience among poor Youth of Color*. Poster presented at the Biennial Society for Vocational Psychology Conference, Akron, OH, 2007
57. Diemer, M., **Wang, Q.,** Moor, T., Gardner, A., Gregory, S., Robinson, K. & Vogit, A. (2007). *Sociopolitical Development and Vocational Expectations among Poor Youth of Color*. Paper presented at American Psychology Association (APA) Annual Convention, San Francisco, August 17-20, 2007
58. **Wang, Q**. (2007). *Multilevel Modeling Analysis of the Effect of Master’s Degree on Teacher Salary*. Paper presented at American Educational Research Association(AERA) Annual Meeting, 2007
59. Lei, J.  **& Wang, Q.** (2007).*A Comparative study on technology use in middle schools: What can we learn from a US-China comparison*? Paper presented at American Educational Research Association (AERA) Annual Meeting, 2007
60. **Wang, Q.** & Vaughn, B. (2006). *Classification Based on General Hierarchical Linear Model*. paper presented at the 71st Annual Meeting of the Psychometric Society, 2006
61. Becker, B.J. &**Wang, Q**. (2006). *A Simulation Study on Synthesizing Slopes from Regression Model*. Paper presented at American Educational Research Association (AERA) Annual Meeting, 2006
62. Vaughn, B. & **Wang, Q.** (2006). *Classification Based on Hierarchical Linear Models*. Paper presented at American Educational Research Association Annual Meeting, 2006
63. Becker, B.J. & **Wang, Q.** (2006). *Study Indices based on Slopes*. Paper presented at Campbell Collaboration (C2) conference, 2006
64. Vaughn, B., & Wang, Q. (2005). *Classification Based on Tree-Structured Allocation Rules*. Paper presented at American Educational Research Association(AERA) Annual Meeting , 2005
65. Lei, J., Ahn, S. & **Wang, Q.** (2004) *The Effectiveness of an After-School Program: A Meta-analysis*. Paper presented at American Educational Research Association (AERA) Annual Meeting, 2004

**Grants, Fellowships and Awards (2007-2019)**

[***Funded Projects & Grants (Finished)***](#GrantsAwards)

**Co-PI** inBergen-Cico, D., Hirschfield, L., Costa, M., Razza, R. & **Wang, Q. (2018-2020).** *Mechanisms of Change Associated with Mindfulness Training for People with Posttraumatic Stress: Triangulating Neural Networks, Biomarkers, Cognition and Behaviors*. Innovative and Interdisciplinary Research Grant, Collaboration for Unprecedented Success and Excellence (CUSE) Grant Program, Syracuse University. $ 29,629.00. **Funded.**

**Co-PI** inWhite, J. & **Wang, Q. (2018-2020).** *Analysis of Critical Policies and Funding Formulas Related to Education Outcomes for Students with Significant Disabilities*. Seed Grant, Collaboration for Unprecedented Success and Excellence (CUSE) Grant Program, Syracuse University. $ 5,000.00. **Funded.**

**Senior Personal/Statistician** in Dotger, B. (PI), Dotger, S.(Co-PI), & **Wang, Q**. (Fall 2016 – December 2019). “ELEM-SIM: Elementary Science Simulations to Advance Undergraduate Elementary Teacher Preparation.” The National Science Foundation, $299,697.00, **Funded**.

**Co-PI** in Bergen-Cico, D., Razza, R., **Wang, Q**., Costa, M. & Hirshfield, H. (2019). *Using Functional Near-Infrared Spectroscopy (fNIRS) to Measure Cognition and Changes in Neural Networks*. The 2019 Small Equipment Grant Program (#SEG-24-2019), Office of Research, Syracuse University. $31,000.00. **Funded**

**Co-PI** in Davis, K., Sharpe, C. & **Wang, Q. (2018-2019).** *Operationalizing mathematics identity for measurement in elementary students: An instrument development study*. SOE Joan N. Burstyn Endowed Fund for Collaborative Research, Syracuse University, $2,048.00. **Funded**.

**Co-PI** in White, J. Morningstar, M.E., Cosier, M.E., McDonnell, J.J., Ryndak, D.L., & **Wang, Q.** (December 1, 2016-December 31,2017). Policy, Practice, and Long-Term Outcomes: The Current State and Future Directions of Research for Students with Significant Cognitive Disabilities. AERA Education Research Conferences Program, $ 28,100.00, **Funded.**

**Co-PI** in Evans, A., White,J., Ashby,C., **Wang,Q**. Gao, P., & Theoharis, G.(2016-2018) “Syracuse Collaborative Partnership for Urban Special Education Reform”, Syracuse University School of Education/Syracuse City School District Partnership Grant, $6,000.00. **Funded**.

**Co-PI** in White, J. & **Wang, Q.** (2016, September -2017 August), **“**Syracuse University School of Education Internal Grant: Relationships among inclusive opportunities, economic and demographic factors*”*, $4,900.00, **Funded.**

**Co-PI** in Lei, J. & **Wang, Q. (**2016, August – 2018 August**) “**Achievements and Challenges of MOOCs: A Research Synthesis**”,** Syracuse University School of Education Internal Grants for Faculty, $4,150.00, **Funded.**

**Co-Investigator** in Lai, C., **Wang, Q**. & Lei, J. (2013-2015), “Espoused Culture Values and Self-Directed Technology Use for Foreign Language Learning” General Research Fund, Hong Kong, HK$355,556, **Funded**.

**Co-PI** in Diemer, M.A., **Wang, Q.** & Smith, A.V. (2007). "Predicting Vocational Interest-College Major Correspondence among Youth of Color in Poverty Using the Kuder Career Search with Person Match." Kuder, Incorporated. $7,550.00, **Funded.**

***Grant Proposals & Development***

Co-PI in Solman, P, Horton, J. A. & **Wang, Q.** (2020-2022). Single cell mechanomics: A new way to screen, prime, and sort mesenchymal stem/stromal cells. IDEA in Stem Cell Research (Rd 6), NYSTEM. $321,320.000, Declined.

**Statistician** in Tiffany A Koszalka, Moon-Heum Cho, Marilyn Arnone, & Jing Lei (2020-2022), *Perfect Pushup through Immersive Virtual Reality [PPIVR]*. Collaboration for Unprecedented Success and Excellence (CUSE) Grant Program, Syracuse University. $ 30,000.00. **Not Funded.**

**Co-PI** inMark R. Costa, Dessa Bergen-Cico, Leanne Hirshfield, Ashley K.Randall, **Qiu Wang**. (2019-2022). Preparing leaders to understand and manage interpersonal emotional dynamics in small team environments. $1,051,221.000. ARI FSRU BAA W911NF-19-S-0006 WHITE PAPER. Not-Funded**.**

**Co/PI/Statistician** in Rachel Razza, Dessa Bergen-Cico & **Wang, Q**.(2019-2022). *The Inner Strength Teen Program: Promoting School Success among At-Risk Urban Adolescents*. Brady Education Foundation, $ 243,868 . Not Founded.

**Statistician** in Ashby, C. (2017-2019*). Syracuse Collaborative Partnership for Urban Special Education Reform (Project SyraCUSE)*. Spencer Foundation, $ 398,828. Not Funded**.**

**Director of Statistics** in White, J. (2017-2019). *Syracuse Collaborative Partnership for Urban Special Education Reform (Project SyraCUSE)*. The Institute of Educational Statistics: Researcher-Practitioner Partnerships in Education Research, $384,309. Not Funded**.**

**Co-Investigator and Faulty Mentor** in Wang, Y. & Soundarajan, S. (2017-2020). *REU Site: Machine Learning in Computing and Cyber-Security (MLCC)*, The National Science Foundation, $499,000.00. Not Funded.

White, J. (PI), Cosier, M., & **Wang, Q**. (Co-PIs) (2016 –2017) Investigating Factors Related to Access to General Education Contexts for Students with Intellectual Disability. Spencer Foundation Small Research Grant, $50,000. Not Funded.

White, J. (PI), Cosier, M., Morningstar, M. & **Wang, Q**. (Co-PIs) (2016 – 2020). Project ACESS: **A**nalysis of **C**ritical Policies and Funding Formulas Related to **E**ducation Outcomes for **S**tudents with **S**ignificant Disabilities. The Institute of Educational Statistics, NCSER-SYS Program, $1,500,000. Not Funded.

Dotger, B. (PI), Dotger, S., Masingila, J, & **Wang, Q**. (Co-PIs) (January 2016 – December 2018). Science & Mathematics Simulation – Evaluation (SIM-EVAL). The National Science Foundation, PRIME Program, $250,000. Not Funded.

**Co-PI** in Maher, C., Palius, M., Caprara, M., Caprara, R., **Wang, Q.** (2015 -2019), “*Investigating the Video Mosaic Online Model for Teacher Professional Development.*” National Science Foundation, DRK-12 Program, $100,000.00 (sub-contract), Not Funded.

Dotger, B., Chandler-Olcott, K., & **Wang, Q.** (2014). *Investigating clinical simulations as a signature pedagogy*. Letter of Inquiry submitted to the Spencer Foundation. [declined]

**Co-PI** in Barry, D. & Tillotson, J. W. , **Wang, Q**. (2014), “*Assessing Socialization, Program Influences, and Related Experiences in the Career Aspirations of Graduate Students in STEM Doctoral Education (ASPIRE)*”, National Science Foundation, $1,135,232, Not Funded.

**Co-PI** in Maher, C., Palius, M., Caprara, M., Caprara, R., **Wang, Q.** (2013), “*Investigating Teachers’ Learning from Cycles of Online Modified Lesson Study.*” National Science Foundation, DRK-12 Program, $100,000.00 (sub-contract), Not Funded.

**PI** in **Wang, Q.** & Zhang, D. (2012). “*Moderating Effect of Education Reforms: A Meta-analysis on Interventions among Students with Mathematics Learning Disabilities/ Difficulties from 1970-2013*”. Special Education-Math/Science Education Research Grant, IES, $244,000.00, Not Funded.

**Co-Investigator** in Eunjoo Jung (2012), “Long-term effects of early childhood sleep habits and social behaviors on adolescent cognitive and socioemotional functioning”, NIH grant, $60,000, Not Funded.

**Co-PI** in **Wang, Q.** & Dimer, M. (2012). “*Occupational Interests and Abilities: How to Best Predict Lower-SES Youths’ STEM College Major Selection*”. Kuder Research Grant, Kuder, Incorporated, $8,000.00,Not Founded.

**Senior Person** in Theoharis, G. & Causton-Theoharis, J. (2012) *Inclusive School-wide Reform Technical Assistance Center*, Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities, Office of Special Education and Rehabilitative Services, Department of Education, $23,845,302.00, Not funded.

**Senior Person** in Mulvaney, M. (2012), *Parenting and Adolescent Delinquency Outcome in African American and Caucasian Families: Across-Group Comparisons*, Investigator Initiated Grants, W.T. Grant Foundation, $282,985.00, Not Funded.

**Co-PI** in Diemer, M. A. & **Wang, Q.** (2011). “*Vocational Interests and Self-efficacy Beliefs as Predictors of STEM Outcomes before, during and after the First Year*”. The 2011-12 Paul P. Fidler Research Grant, The National Resource Center for The First-Year Experience and Students in Transition, $5,000.00, Not Founded.

**PI** in **Wang, Q.** (2011). “Occupational Interests and Abilities: How to Best Predict Lower-SES Youths’ STEM College Major Selection”. The Clifford B. Kinley Trust 2011 (Seed) Grant, Purdue University, $20,000.00, Not Founded.

**PI** in **Wang, Q** (2011**)**. Using reliable tests to more accurately Assess students’ learning progress in STEM Areas: A Monte Carlo Simulation Study. Learning Outcomes Assessment Grants 2011 of Provost Office at Purdue University, $1989.00, Not Founded.

**Co-PI** in Vorvoreanu, M. Sears, D. & **Wang, Q** (2011**)**. Assessing Learning Outcomes through Social Media in Higher Education. Learning Outcomes Assessment Grants 2011 of Provost Office at Purdue University, $3,000.00, Not Founded.

***Invited Talks***

1. Wang, Q. (2019) *Educaiton Research Methodology: Paradigms, Theoretical Frameworks and Literature Review*. Luoyang Normal University, June, 24, 2019
2. Wang, Q. (2019) *Paradigms and theoretical frameworks: integrating latent cultural variables and policy constructs in structural equation modeling*, Henan University, June, 23, 2019
3. Wang, Q. (2019) *Writing and Conducting Literature Review in Educational Research*. Invited talk hosted by the Journal of Review on Education at East China Normal University, June, 17, 2019
4. Wang, Q. (2019) *Integrating Scientific Quantitative Methodology in Student-Centered Graduate Education,* the Institute of Higher Education, Lanzhou University, June, 11, 2019
5. Wang, Q. (2019) *Paradigms and theoretical frameworks: integrating latent cultural variables and policy constructs in structural equation modeling.* Invited talk hosted by the Institute of Educational Policy and Research at East China Normal University, May, 29, 2019
6. Wang, Q. (2019) *Integrating Information Technology in Computational Educational Research,* Invited Keynote Talk at the Annual Conference of Association of Chinese Higher Education, Hangzhou, China, May, 5, 2019
7. Wang, Q. (2019). *Contemplative Mindfulness Research Design and Statistical Modeling. Invited talk on* How Do We Know it Works? Reflections on Empirical Studies of Contemplative Practices *at the* Empirical Studies of Contemplative Practices Book Launch, Hosted by Contemplative Collaborative and Humanity Center at Syracuse University. February, 15, 2019 <https://news.syr.edu/blog/2019/02/03/new-book-explores-the-value-of-contemplative-practice/>
8. Wang, Q. (2018) *Contemplative Mindfulness in Lifelong Education Research Design and Statistical Modeling.* Shanghai Municipal Institute for Lifelong Education (SMILE) at East China Normal University (ECNU), December, 25, 2018
9. Wang, Q. (2018) *High School, College, and Study Abroad Challenges in Chinese and American Higher Education..* Shanghai Maritime University, December, 28, 2018
10. Wang, Q. (2016) *Sampling Validity and Statistical Modeling in Social/Behavioral Research*. Luoyang Normal University, June, 17, 2016
11. Wang, Q. (2016) *Sampling Validity and Statistical Modeling in Social/Behavioral Research*, Henan University, June, 20, 2016
12. Wang, Q. (2016) *Sampling Validity and Statistical Modeling in Social/Behavioral Research*. Beijing Institute of Technology, June, 24, 2016

***Fellowships***

The Robert Craig Fellowship for Psychological Studies in Education, College of Education, Michigan State University (2010), $2,750.00

The Clifford E. Erickson Memorial Scholarship, College of Education, Michigan State University (2010), $1,000.00

Recipient of the Robert Ebel Scholarship Award, College of Education, Michigan State University (2009), $1,700.00

The Summer Research Fellowship, College of Education, Michigan State University (2007), $6,000 .00

The Anderson-Schwille Fellowship in International Education, College of Education, Michigan State University (2007-2008), $1,500.00

The Graduate Fellowship for Conference Presentation, College of Education, Michigan State University (2007).

***Professional Development Awards***

**Recipient**, The IES Summer Institute on cluster randomized trials (CRT). July 29- August 10, 2018. Sponsored by the Institute of Educational Science, Northwestern University, Chicago, supported bySOE Internal Grant, $500

**Recipient** Analysis of Intensive Longitudinal Data Using Multilevel Time Series Analysis and Dynamic Structural Equation Modeling (DSEM) in Mplus Version 8, 2017 August 17-18, Johns Hopkins University, Baltimore, supported bySOE Internal Grant, $500

**Recipient**, The Internal Grant for the Association for Contemplative Mind in Higher Education (ACMHE) *2017 Summer Session on Contemplative Higher Education,* hosted by the Center for Contemplative Mind in Society*.* Contemplative Collaborative*,* Syracuse University (2017)

Recipient, Qiu Wang (2013) Internal Grant for NSF Grant Conference, Office of Research, Syracuse University, $500.00.

Recipient, The AERA Grant Program-Faculty Institute. Accepted into the AERA Faculty Institute for the Teaching of Statistics with Large-Scale Data Sets sponsored by the American Educational Research Association (AERA) Grant Program, Stanford University, CA (2012).

Recipient, The National Center of Special Education Research (NCSER) Summer Institute. Accepted into advanced training of Single-Case Intervention Design and Analysis sponsored by the National Center for Education Statistics (NCES), Institute of Education Sciences (IES), U.S. Department of Education (DOE), Madison, Wisconsin (2012).

Recipient, National Educational Longitudinal Study (NELS)/Educational Longitudinal Study (ELS) Database Training Seminar. Accepted into advanced training program sponsored by the National Center for Education Statistics, Washington D.C. (2008).

The Conference Presentation Grant, Congress of Graduate Students (COGS), Florida State University (2006).

The Graduate Student Professional Meeting Expenses Award, Council on Research in Education (CORE), Florida State University (2006).

**Professional Services and Development**

***Advisees, Dissertation Chair or Dissertation Committee Member***

* Doctoral Dissertation Chair: Yi Li [Educational Psychology and Research Methodology Program, Graduated 2012 from Purdue University], currently an assistant professor at the Faculty of Education, the Southwest University, China;
* Dissertation chair of Ellen Smith (Higher Education) Syracuse University;
* RAP Advisee: Ellen Smith & Jennifer Welch (Higher Education); Teresa Wildhack (Teacher & Leadship); Kevin Davis (Math Education); Dominick Anthony Fantacone Jr. (Science Education);
* Dissertation Committee at Syracuse University of David M. Gerlach, Reggie Terry Shannon Hitchcock, Timothy Wasserman, Jennifer Welch (Higher Education), Tashera Nigia Bolds, Celestia Ohrazda, Jie Zhang, Leigh Tolley, Gary Lapoint, & Christopher Hromalik (Instructional Design, Development &Evaluation), Lauren Jetty, Patrick Dawes, Dominick Anthony Fantacone Jr., Gaye D. Ceyhan, Şule Aksoy (Science Education/Teaching), Douglas Wieczorek, Amy DiVita, Charlotte Flynn, Katherine Reichel, & Jen Heckathorn (Teacher & Leadership), Allison M. Hrovat, Sarah F. Spiegelhoff, Kathryn Theresa Kozak, Peitao Zhu, Alan Miller, Erin Friedman & Kirsis Allennys Dipre (Counseling Education); Jessica Garay Redmond (Exercise Science); Tess M. Dussing, Alvina Mardhani-Bayne and Stella Mukiri Rwanda (Reading and Language Art); Feifei Zheng (iSchool); Gyoung Kim, Soyoung Jung, Mincheol Shin, Soojin Roh, Jian Shi (Newhouse); Crystal Lee (Maxwell); Rui Tian (Folk)
* Dissertation Deference Chair or Readers (10+)
* **Undergraduate Advisees** (**14**): Borrero,Isabella; Di,Siyang; Dollard,Maryrose; Fabre,Isabel ; Jakubowski,Madison Paige; Kniffin,Callie Renee; Li,Chunxuan; Li,Jiaxin; Lyons,Matthew John; Pizio,Justin David; Tong,Xinyi; Wright,Madison K; Xu,Lulu; Young,Carolyn Theresa
* Ph.D. Comprehension Exam/Method Question rater: Charlotte Flynn, Katherine Reichel, & Jen Heckathorn (Teaching & Leadership)
* Mid-term/3rd-year Doctoral Review: Alain Shema, Yingya Li &Sucheta Lahiri (iSchool)
* Two Doctoral Dissertation Committee: John Poston [Counseling Psychology Program, Graduated 2012]; Daphne Duncan [Gifted Education Program, Graduated 2012], Purdue University;
* Master’s Degree Committee: So Yoon Yoon [Gifted Education Program, Purdue University]; Emily Helminen (Psychology)

***University, School & Department Committee Service***

2019- SOE Third Year Review Committee, Syracuse University

2019- Reviewer of HED 18-month Doctoral Review, Higher Educaiton Department

2019- Reviewer of SOE Research and Creative Grant competition, Syracuse University

2019- Member of SOE Captive Space Committee, Syracuse University

2018- Member of Steering Committee, Contemplative Collaborative, Syracuse University

2017- Representative of SOE, SU Curriculum and Degree Committee, Syracuse University

2017- Chair, Curriculum and Degree Committee, SOE, Syracuse University

2017- Member of SU Contemplative Collaborative, Syracuse University

2015- Co-Director, Research in Designing Learning Resources (RIDLR), SOE, Syracuse University

2014- Member of R User’s Group, Syracuse University

2014- Ad Hoc Research Committee, SOE, Syracuse

2013-2019 Degrees and Curriculum Committee, School of Education, Syracuse University

2013-present Research & Creative Grant Competition Committee, School of Education, Syracuse University

2012- present Member of Research Methods and Data Group at Syracuse University

2012 October Member of Web-developer Search Committee, School of Education, Syracuse University

2011 October Member of Doctoral Review Committee, Higher Education, School of Education, Syracuse University

2011-Present Member of the Research Committee, School of Education, Syracuse University

2011-2013 Member of the Subcommittee on Scholarship Reviews of the Committee on Policies, Standards, and Scholarships, School of Education, Syracuse University

2011 Fall-present Member of High Performance Computation Interest Group at Syracuse University

2012 Fall, 2016 Spring Member of Mid-term/3rd-year Doctoral Review of School of Information Studies, Syracuse University

***Journal, Conference, Awards Reviewing and Committee:***

Co-Chair International Workshop on Computer Science and Engineering 2019 (WCSE 2019) Track 1: Human-Centered Computing (http://wcse.us/track1.html )

Editorial Board Member, *Interdisciplinary Education and Psychology*.

Co-editor, Special issue on Contemplative/Mindfulness Research in Education for *the ECNU Review of Education*: Sage Journal, <https://journals.sagepub.com/home/roea>

Member, Association of Contemplative Mind in Higher Education (ACMHE, 2017-)

Reviewer, *Research Grants Council (RGC) of Hong Kong* (2017-18, 2019-2020)

Reviewer, *Journal of Applied Statistics*, *Journal of Biostatistics and Biometric Applications*, *Computational Statistics*, *Educational and Psychological Measurement, Educational Research, Journal of* *Research on Educational Effectiveness, Asia Pacific Education Review, Journal of family Issues, Information — Open Access Journal*

Reviewer, The Association for Educational Communications and Technology (AECT), convention (2019-present)

Reviewer and Member, American Educational Research Association (2005-present)

Reviewer and Member, Division D: Measurement and Research Methods, AERA (2007-)

Member, Division H: Research, Evaluation, and Assessment in Schools, AERA (2017)

AERA Special Interest Groups:

037 Educational Statisticians

064 Measurement and Assessment in Higher Education

140 Multilevel Modeling

118 Structural Equation Modeling

176 Systematic Review and Meta-Analysis

Reviewer, Section of Research Methods, Annual Conference of the Society for Research on Educational Effectiveness (SREE), 2010-2011

Member, National Awards Committee, AERA, Division E (Counseling & Development), 2011-2014

***Professional Development Training***

1. 2014 February, *Research Data Services providing a brief overview of Qualtrics and REDCap*, Research Methods and Practices Discussion Group presentation and discussion, Syracuse University;
2. 2014 April, *Sensitivity Analysis: Quantifying the Discourse about Causal Inference*, 2014 AERA, Philadelphia;
3. 2014 May, *Bayesian Methods for the Social and Behavioral Sciences* by Dr. David Kaplan, the University of Connecticut conference Modern Modeling Methods (M3);
4. 2013 May 23, *Advances in Latent Variable Modeling Using Mplus Version 7* by Dr. Bengt Muthen, Mplus workshops at the University of Connecticut conference Modern Modeling Methods (M3)
5. Attending online conference in March 28-29, 2013 on *BIG ISSUES IN TESTING CONFERENCE: Improving Admissions and Learning in Higher Education*, Buros Center for Testing, College of Education and Human Sciences, University of Nebraska – Lincoln;
6. Attending *National Science Foundation Grants Conference*, in Arlington, Virginia, scheduled for March 11-12, 2013;
7. 2012 AERA *Division-D Mentoring Reception* in Vancouver, 2012 April AERA
8. *Quasi-Experimental Causal Inference*, 2012 April, AERA, Vancouver;
9. *Introduction the Linux System of the High Performance Computation Center*, 2009, January, Michigan State University;
10. National Educational Longitudinal Study (NELS) /Educational Longitudinal Study (ELS) and National Education Longitudinal Study (NELS) *Database Training Seminar*, 2008 June 16-18, Washington D.C.;
11. *RASCH Society Meeting*, 2008 April, New York;
12. *Skills Diagnosis with Latent Variable Models*, 2007 April, AERA, Chicago;
13. *Longitudinal Data Analysis in R: Fitting Value-Added Models*, 2006 April, AERA, San Francisco.