LEI WANG, Ph.D.

Department of Curriculum, Instruction, and Technology
221A Education, Auburn University at Montgomery
P.O. Box 244023 Montgomery, AL 36124-4023
Email: lwang8@aum.edu; Phone: 334-244-3039
Internet: Google Scholar, LinkedIn, Personal Website

EDUCATION

Ph.D., Instructional Design, Development & Evaluation, Syracuse University, U.S., December 2023

M.S., Instructional Design, Development & Evaluation, Syracuse University, May 2019

M.S., Pedagogical Principles, Southwest University**,** China, July 2007

B.A., English Language and Literature**,** Henan University, China, June 2002

PROFESSIONAL EXPERIENCE

Tenure-Track Assistant Professor, Department of Curriculum, Instruction, and Technology, Auburn University at Montgomery (AUM), 7440 East Drive, Montgomery, AL 36117

August 2024 - Present

Adjunct Professor, Department of Advanced Education Programs (AEP), Fort Hays State University, 600 Park St, Hays, KS 67601

May 2024 – August 2024

Instructional Designer, Teaching Innovation and Learning Technologies (TILT), Fort Hays State University, 600 Park St, Hays, KS 67601

March 2024 – August 2024

Academic Advisor, Lawrence B. Taishoff Center for Inclusive Higher Education, Syracuse University, 900 S Crouse Ave, Syracuse, NY 13244

August 2023 – December 2023

Instructional Designer, Center for Online and Digital Learning, Syracuse University, 900 S Crouse Ave, Syracuse, NY 13244

May 2020 – August 2020

Mandarin Teacher, CNY Chinese School, Syracuse, NY 13244

September 2019 – June 2022

Research Assistant, Syracuse University Project Advance (SUPA), Syracuse University, 900 S Crouse Ave, Syracuse, NY 13244

September 2018 – June 2019

Curriculum Developer, Department of Instructional Design, Development and Evaluation, School of Education, Syracuse University, 900 S Crouse Ave, Syracuse, NY 13244

May 2018 – August 2018

Instructional Designer, 4dmetrics, Washington, D.C.

May 2018

Grade 9 Chair, The High School Affiliated to Renmin University of China (RDFZ), Beijing, China, 10010

August 2015 – June 2017

English Teacher, The High School Affiliated to Renmin University of China (RDFZ), Beijing, China, 10010

August 2014 – June 2017

Visiting Scholar (Part of the 1% of school-selected individuals chosen for this opportunity), Mountain High School, Kaysville, UT, 84037

September – December 2014

Visiting Scholar (Part of the 3% of school-selected individuals chosen for this opportunity), Theodore Roosevelt High School, LA, 90033

September – December 2014

English Teacher & Homeroom Teacher, Zhengzhou Foreign Language Middle School, Zhengzhou, China, 450000

August 2002 – August 2014

HONORS AND AWARDS

- **Google Certified Educator**, Google, July 2025

- **CAEP National Site Reviewer**, Council for the Accreditation of Educator Preparation, July 2025

- **Global Teacher Education Fellow**, Longview Foundation, April 2025

- **Accepted Participant (Competitive Selection),** Division C Pre-Conference Seminar for Early-Career Scholars, American Educational Research Association (AERA), April 2025

- **Outstanding New Faculty Award**, College of Education, AUM, April 2025

- **Faculty Fellow in Civil Rights & Civic Virtue Society**, AUM, September 2024- August 2025

- **ISTE Certified Educator**, International Society for Technology in Education, October 2024

- **OSCQR Certified Reviewer**, Open SUNY, October 2024

- **First Place Winner in the 2024 AERA Division H Outstanding Publications Competition for Category 5: Outstanding Dissertation**, February 2024

- **Outstanding Teaching Assistant Award**, Syracuse University, April 2023

- **Winner of 2023 Three Minute Thesis (3MT®) Competition**, Syracuse University, March 2023

- **Honorable Mention**, **Fourth Annual Graduate Dean's Award for Excellence in Research and Creative Work Competition**, the Graduate School, Syracuse University, February 2023

- **Teaching Assistant Mentor Award**, Syracuse University, May 2020 – April 2024

- **Future Professoriate Certificate**, Syracuse University, April 2021

- **Phi Beta Delta Alpha Sigma Chapter Award for Scholarly Achievement in International**

Education and Intercultural Engagement, Syracuse University, May 2018

- **Senior High School Teacher Qualification Certificate**, China, December 2016
- **Backbone Teacher of Chaoyang District**, Beijing, China, December 2015
- **Excellent Guidance Teacher Award in FLTRP High School English Plays Competition**, Beijing, China, December 2015
- **First Prize in the Beijing City English Recorded Lesson Competition**, China, September 2015
- **Best Guidance Teacher Award in FLTRP English Spelling Competition**, Beijing, China, May 2015
- **First Prize in the Regional High School English Quality Lesson Competition**, Beijing, China, March 2013
- **Middle School First-Level Teacher Certificate**, China, November 2008
- **Junior High School Teacher Qualification Certificate**, China, December 2003

RESEARCH INTERESTS

- **Designing and Developing Theory-Based Rubrics for Assessing Learning Resources and Student Achievement:** Crafting assessment tools grounded in well-established deeper learning theories and design principles to evaluate the ability and quality of learning resources.
  - **Dissertation:** *Construct Validation of a Learning Resources Rubric (LRR): A Modified Delphi Study*
  - **Committee:** Dr. Tiffany A. Koszalka (Chair & Advisor), Dr. Alan Foley, Dr. Silvie Huang, and Dr. Rob Seth Pusch
- **Exploring Pedagogical Applications of Generative AI, Virtual Reality, and Augmented Reality in K-12 and Higher Education:** Investigating how cutting-edge technologies can transform teaching methodologies and learning experiences across different educational levels.
- **Investigating Emerging Educational Technologies and Their Impact on Student Engagement and Learning Outcomes:** Conducting research on the integration of novel educational tools and platforms to enhance student participation and academic performance.
- **Researching and Implementing Effective Instructional Strategies Tailored to Diverse Learner Profiles and Needs:** Developing and applying instructional approaches that accommodate the varied learning preferences and requirements of students, aiming to optimize educational accessibility and efficacy.

GRANTS

Travel Award, Civil Rights and Civil Virtue (CRCV) Fellowship, John Templeton Foundation.	**Funded: $2347**	July 2025
Conference Grant Funds, Graduate Student Research Advisory Committee (GSRAC), AUM.	**Funded: $2000**	July 2025
Collaborative Digital Book Project on Civic Virtue, AUM, John Templeton Foundation.	**Funded: $645**	April 2025
Implementation and Assessment of Digital Storytelling in Graduate Instructional Design Courses, AUM, John Templeton Foundation.	**Funded: $2330**	April 2025
Conference Grant Funds, Graduate Student Research Advisory Committee (GSRAC), AUM.	**Funded: $1464.24**	March 2025
Designing Digital Storytelling Frameworks for Civic Virtue Education, AUM, John Templeton Foundation.	**Funded: $2700**	Mach 2025
Staff Professional Development Funding, Fort Hays State University.	**Funded: $3650**	April 2024
Pressbook: A guide for faculty course creation, Fort Hays State University.	**Funded: $4500**	March 2024
Travel Award, School of Education, Syracuse University.	**Funded: $400**	April 2023
Travel Award, Graduate School Organization, Syracuse University.	**Funded: $350**	April 2023
Summer Pre-dissertation Fellowship, Syracuse University.	**Funded: $4000**	May 2022
Travel Award, School of Education, Syracuse University.	**Funded: $400**	April 2022
Travel Award, Graduate School Organization, Syracuse University.	**Funded: $500**	October 2020
2023 Moynihan Summer Research Grants, Syracuse University: Developing and Validating a Learning Resources Rubric [LRR] among Expert Instructional Designers in East Asia. Student PI: Lei Wang.	Not funded: $2,000	February 2023

PENDING & PROPOSED GRANTS

Pending

Principal Investigator, *Enhancing Reflective Thinking and Digital Citizenship through AI-Supported Storytelling in Teacher Education*
Institute of Education Sciences (IES), U.S. Department of Education – Early Career Development and Mentoring Program (ALN 84.305B)
Requested: $400,000   **Status:** Under Review
Note: Funding is contingent upon the applicant obtaining U.S. permanent residency within five years.

In Preparation

NSF CAREER Proposal: Enhancing Equity through AI-Driven Instructional Tools
Planned Submission: NSF   **Estimated Budget:** $400,000   **Status:** In Preparation – Target Submission Date: July 2026

Digital Storytelling for Global Citizenship in Higher Education, Undergraduate Research/Creative Activity (URCA), AUM
Estimated Budget: $5,000   **Status:** Internal Grant – In Preparation

AI-Powered Reflective Learning in Teacher Education, Grant-in-Aid, AUM
Requested: $7,000   **Status:** Internal Grant – In Preparation

Augmented Reality for Civic Engagement in K-12 Education, Longview Foundation
Requested: $20,000   **Status:** External Grant – In Preparation

FELLOWSHIPS

Open Education Fellowship, The Open Education Group	**Funded: $1200**	1 June 2025- 31 May 2026
Global Teacher Education Fellow, Longview Foundation	**Funded: $2500**	5 May 2025- 31 May 2026
CRCV Summer Seminar Faculty Fellow, Auburn University at Montgomery, AL	**Funded: $1000**	23 June 2025 – 27 June 2025
CRCV Faculty Fellow, Auburn University at Montgomery, AL	**Funded: $1000**	September 2024- August 2025
Academic Year Dissertation Completion Fellowship, The Graduate School, Syracuse University, NY	**Funded: $23,000**	1 September 2023- 12 May 2024
Dissertation Completion Fellowship, IDD&E Department,	**Funded: $4000**	1 May 2023 –

Syracuse University, NY   26 August 2023

Spector/Warren Fellowship for Future Educators,   **Funded: $5000**   21 May 2023 –
Syracuse University, NY   26 May 2023
Summer Pre-dissertation Fellowship,   **Funded:$4000**   12 May 2022-
Syracuse University, NY   16 August 2022
Study Abroad Fellowship, Syracuse University, NY   **Funded:$8000**   Summer 2020

PUBLICATIONS

[*AUM graduate students]

REFEREED JOURNAL ARTICLES

• Accepted and Published

- Wei, X., **Wang, L.,** Lee, L.-K., & Liu, R. (accepted). Cultivating students' spatial reasoning skills through an experiential learning-based virtual reality approach. *Educational Technology and Society.*

- Chiu, T. K. F. & **Wang, L.,** (accepted). Designing artificial intelligence chatbots for self-regulated learning from a systematic review based on Habermas's three interests. *Interactive Learning Environments.* https://doi.org/10.1080/10494820.2025.2563086

- Wei, X., **Wang, L.,** Lee, L.-K., & Liu, R. (2025). Enhancing pre-service teachers' reflective thinking skills through generative AI-assisted digital storytelling creation: A three-dimensional framework analysis. *Computers & Education.* Volume 235, 2025, 105356, ISSN 0360-1315, https://doi.org/10.1016/j.compedu.2025.105356.   (Top 1 SSCI-indexed journal in Instructional Design, Educational Technology, and Education; IF: 11.7; Acceptance rate: ~5%).

- **Wang, L.,** Wang, Y., Lewis, D. T., & Johnson, T. (Accepted). Empowering Student Voices: Balancing Agency and Assistance in GenAI-Enhanced Digital Storytelling for Civic Education. *The International Journal of Designs for Learning (IJDL).*

- Wei, X., **Wang, L.,** Lee, L.-K., & Liu, R. (2025). The effects of generative AI on collaborative problem-solving and team creativity performance in digital story creation: an experimental study. *International Journal of Educational Technology in Higher Education，22*(1). https://doi.org/10.1186/s41239-025-00526-0

- Wei, X., **Wang, L.,** Lee, L.-K., & Liu, R. (2025). Multiple Generative AI Pedagogical Agents in Augmented Reality Environments: A Study on Implementing the 5E Model in Science

Education. *Journal of Educational Computing Research*, *63*(2), 336-371. https://doi.org/10.1177/07356331241305519 (AECT Design & Development Division 2025 Outstanding Journal Article Award).

- Wei, X., Chen, Y., Zhao, P., **Wang, L.**, Lee, L. K., & Liu, R. (2025). Effects of immersive virtual reality on primary students' science performance in classroom settings: a generative AI pedagogical agents-enhanced 5E approach. *Interactive Learning Environments*, 1–20. https://doi.org/10.1080/10494820.2025.2514101

- Liu, R., **Wang, L.**, Koszalka, T. A., & Wan, K. (2022). Effects of immersive virtual reality classrooms on students' academic achievement, motivation and cognitive load in science lessons. *Journal of Computer Assisted Learning, 38*(5), 1422-1433. https://doi.org/10.1111/jcal.12688

- Liu, R., Kang, J., **Wang, L.**, & Fan, M. (2022). Exploring primary school students' academic emotions and learning achievement in an immersive virtual reality science classroom. *2022 International Symposium on Educational Technology (ISET)*, Hong Kong, Hong Kong, 2022, pp. 163-167, doi: 10.1109/ISET55194.2022.00042.

- Liu, R., **Wang, L.**, Lei, J., Wang, Q., & Ren, Y. (2020). Effects of an immersive virtual reality-based classroom on students' learning performance in science lessons. *British Journal of Educational Technology, 51*(6), 2034-2049. https://doi.org/10.1111/bjet.13028

- **Wang, L.**, Chen, X., & Wu, X. (2010). Xi wang li lun de yan jiu ping shu [Review of hope theory research]. Ke Jiao Wen Hui, (159-160).

- **Wang, L.** (2013). Zong he shi jian huo dong ke cheng shi shi de zhi chi xi tong yan jiu [Research on the support system for the implementation of comprehensive practical activity curriculum]. Xi Nan Da Xue, (2).

- **Wang, L.**, & Jin, Y. (2018). She hui ceng ji li lun shi ye xia de jiao shi shen fen kao liang [Considerations on teacher identity from the perspective of social stratification theory]. Jiao Shi Jiao Yu Yan Jiu [Teacher Education Research], *30*(1), 13-19.

- **Wang, L.** (2012). Qian tan xiao ben ke cheng kai fa de ding wei wen ti [A discussion on the positioning issues in school-based curriculum development]. Jiao Yu Tan Suo [Education Exploration], 30-32.

- **Wang, L.** (2010). Kong jian yu shi de fan shi yan jiu [A pan-temporal study of spatial expressions]. (master's thesis). Xi Nan Da Xue [Southwest University].

• Under Review/ In Preparation

- Wei, X., **Wang, L.**, Lee, L.-K., & Liu, R. (under review). Developing spatial reasoning skills in elementary students: An experiential learning-based immersive virtual reality approach. *Learning and Instruction*

- **Wang, L.**, & Koszalka, T. A. (submitted). Establishing validity and usability of a Learning Resources Rubric [LRR]. *British Journal of Educational Technology*.

- **Wang, L.**, Kell, T., Lewis, T., Bourke, N., Stallings, K., & *Mena, C. (submitted). From Theory to Practice: Using the Learning Resources Rubric (LRR) to Guide Educators' Selection and Implementation of Open Educational Resources. *Journal of Applied Instructional Design (JAID)*.

- **Wang, L.**, Kell, T., Lewis, T., Bourke, N., Stallings, K., & *Mena, C. (in preparation). Generative AI-Enhanced Digital Storytelling for Personalized Civic Virtue Education: Validating the CAICEF Adaptive Learning Design Model. Manuscript in preparation for submission to *Journal of Computer-Assisted Learning*.

- **Wang, L.**, Chiu, T. K. F., Lewis, T., & *Mena, C. (in preparation). Artificial Intelligence in Education Across the Globe: A Systematic Review of Regional Policies, Implementation Strategies, and Focus Areas. Manuscript in preparation for submission to *Computers & Education*.

- **Wang, L.**, Chiu, T. K. F., & *Mena, C. (in preparation). Ethical Frameworks and Pedagogical Impact of Artificial Intelligence in K-12 Education: A Systematic Review of Human-Centered Approaches. Manuscript in preparation for submission to *Computers & Education*.

- Xia, Q., **Wang, L.**, Xing, T., & Zhang, Z. (in preparation). Artificial Intelligence in Interdisciplinary Higher Education: A Systematic Review of Implementation, Support Systems, and Stakeholder Impact.

- Yu-Harper, M., & **Wang, L.** (in preparation). Why They Play and Why They Stay: Academic and Athletic Motivations Among Non-Division I College Athletes. Manuscript in preparation for submission to the *Journal of American College Health*.

- **Wang, L.**, & Zhao, W. (in preparation). In-Service Middle School English Teachers' Beliefs, Knowledge,and Practices in Developing Self-Regulated Learners in China.

- **Wang, L.**, & Koszalka, T. A. (in preparation). Tools for evaluating learning resources: a systematic review of the literature from 2002 to 2024.

- **Wang, L.**, Koszalka, T. A., Huang, X., & Pusch, R. S. (in preparation). Construct validation of a Learning Resources Rubric [LRR]: A modified Delphi study.

- **Wang, L.**, & Koszalka, T. A. (in preparation). From theory to practice: usability and real-world applications of the Learning Resources Rubric [LRR].
- Ma, S., Yao, Z., **Wang, L.**, Gutsch, S., & Azizi, M. (in preparation). Instructional Designers' Arising Competencies and Challenges in the Age of Generative AI: A mixed-methods Exploration.
- Xia, Q., & **Wang, L.**, (in preparation). How GenAI Tools and Gender Shape Self-Regulated Learning? Exploring Reflective Thinking, Self-Efficacy, and Engagement.

BOOKS & BOOK CHAPTERS

- **Wang, L.**, & Lewis, T. (in press). *From Script to Co-Pilot: A Human-AI Collaborative Framework for Reclaiming Teacher Agency in Mandated K-8 Curricula.* In O. Gould-Yakovleva (Ed.), *Best teacher practices for scripted curricula*. IGI Global.
- **Wang, L.,** Chiu, T. K. F., & Yu-Harper, M. (in press). *From Voices to Visions: Community-Centered Methods for Capturing Diverse Learner Experiences in AI-Enhanced Civic Education*. In L. A. Giacumo & H. E. Fake (Eds.), *Community Centered Learning Experience: How to Improve UX in Higher Education, Workforce Training, and Professional Education*. Elsevier. (Proposal submitted, May 2025)
- **Wang, L.**, Lewis, T., & Bourke, N. (in press). *Designing Effective Feedback Analytics in Learning Management Systems: A Mixed-Methods Evaluation of Canvas Implementation in Higher Education*. In M. Sahin & D. Ifenthaler (Eds.), *Feedback Analytics in Education – Guiding Designs and Solutions*. Springer.
- **Wang, L.,** Chiu, T. K. F., & Yu-Harper, M. (in press). *Flipping the Script: Action Research to Infuse AI and Storytelling into Higher Ed's Scripted Curriculum*. In O. Gould-Yakovleva (Eds.), *Best Teacher Practices for Scripted Curricula*. IGI Global Scientific Publishing. (Proposal submitted, July 11, 2025)
- **Wang, L.,** & Chiu, T. K. F. (under review). *Augmenting Teaching, Not Burdening It: Realistic Time Efficiency in Online Instruction*. In Ahlf, M., & McNeil, D. (Eds.), *Time-Efficient Practice: Strategies for Avoiding Tricks, Traps, and Time Sinks in Online Teaching*. DeGruyter Brill. (Proposal in preparation, due September 2025)
- Ely, W. (2023). 重塑ICU [Every Deep-Drawn Breath]. (Tian, X. & **Wang, L.**, Trans.). Hualing Press. https://yabook.blog/post/18395.html
- **Wang, L.**, & Zhang, Y. (2007). *Student's companion for "Go for It" English textbook, Grade 8 (Volumes 1 & 2)* (People's Education Press Version). Henan University Press.

NON-REFEREED PUBLICATIONS

- **Wang, L.** (2013). Computer-Aided Instruction and its Integrated Application in Grade 8 English Teaching, First Prize, awarded by Henan Province Department of Education

- **Wang, L.** (2010). A Study of the Teaching Arts in High School English Classes, First Prize, awarded by Henan Province Basic Education Teaching and Research Institute
- **Wang, L.** (2008). On Junior High School Students' Learning Strategies, First Prize, awarded by Zhengzhou Institute of Educational Science
- **Wang, L.** (2008). An Attempt to Improve High School Students' Listening and Speaking Abilities,Second Prize, awarded by Zhengzhou Institute of Educational Science

CONFERENCE PRESENTATIONS

- **Wang, L.** (2026, April 8–12). (submitted). *Technology-Enhanced Peer Learning Communities: Investigating Social Capital Formation in Online Doctoral Education* [Paper presentation]. American Educational Research Association (AERA) 2026 Annual Meeting, Los Angeles, CA, United States.
- **Wang, L.** (2026, April 8–12). (submitted). *Advancing Civic Education with AI: A Multi-Theoretical Framework for Digital Storytelling* [Paper presentation]. American Educational Research Association (AERA) 2026 Annual Meeting, Los Angeles, CA, United States.
- **Wang, L.**, & Koszalka, T. A. (2025, October 20–24). *From Theory to Practice: Expert Instructional Designers' Real-world Applications of the Learning Resources Rubric* [Concurrent presentation]. The Association for Educational Communications and Technology (AECT) 2025, Las Vegas, NV, United States.
- **Wang, L.** (2025, October 20–24). *AI-Enhanced Collaborative Writing in Chinese EFL Classrooms: A Design-Based Research Approach* [Poster presentation]. The Association for Educational Communications and Technology (AECT) 2025, Las Vegas, NV, United States.
- **Wang, L.**, & Koszalka, T. A. (2025, October 20–24). *Validating the Learning Resources Rubric [LRR]: Empowering Instructional Designers for Future Educational Technologies* [Concurrent presentation]. The Association for Educational Communications and Technology (AECT) 2025, Las Vegas, NV, United States.
- **Wang, L.**, & *Mena, C. (2025, October 20–24). *AI-Enhanced Digital Storytelling for Civic Engagement: An Integrative Framework* [Poster presentation]. The Association for Educational Communications and Technology (AECT) 2025, Las Vegas, NV, United States.
- Ma, S., Yao, Z., **Wang, L.,** Gutsch, S., Li, B., Zareh, M., & Spector, M. J. (2025, October 20–24). *Instructional Designers and Generative AI: Emerging Competencies, Challenges, and Institutional Readiness – A Mixed-Methods Study* [Concurrent presentation]. The Association for Educational

Communications and Technology (AECT) 2025, Las Vegas, NV, United States.

- **Wang, L.**, & *Mena, C. (2025, July 15–17). *The Development of Comprehensive AI-enhanced Civic Education Framework (CAICEF)* [Workshop presentation]. Reimagining Education Summer Institute (RESI 2025), Teachers College, Columbia University, New York, NY, United States.

- **Wang, L.** (2025, May 14–15). *Perceptions of AI-Facilitated Creativity in Civic Education: A Study on Digital Storytelling* [Poster presentation]. Out of the Box Teaching and Learning Workshop, Taylor Center, Auburn University at Montgomery, AL, United States.

- **Wang, L.** (2025, May 8-9). *Empowering civic learning through generative AI: A project-based approach to digital book creation* [Poster presentation]. Frontiers in Adult Education Research Conference, Georgetown University, Washington, DC, United States.

- **Wang, L.** (2025, April 23–27). *Impact of Generative AI-Enhanced Pedagogical Agents in Augmented Reality on Primary Students' Science Learning Performance* [Paper presentation]. American Educational Research Association (AERA) 2025 Annual Meeting, Denver, CO, United States.

- *Mena, C., & **Wang, L.** (2025, April 23–27). *Designing Digital Storytelling Frameworks for Civic Virtue Education: An Integrative Learning Design Model for the Modern South* [Paper presentation]. American Educational Research Association (AERA) 2025 Annual Meeting, Denver, CO, United States.

- **Wang, L.**, & *Mena, C. (2025, April 9–11). *Beyond Passive Learning: Implementing Authentic Assessment in Instructional Design* [Paper presentation]. The eLearning Consortium of Colorado conference. Virtual.

- **Wang, L.** (2025, April 9–11). *Generative AI in Digital Storytelling: Fostering Collaborative Problem-Solving and team creativity performance* [Paper presentation]. The eLearning Consortium of Colorado conference. Virtual.

- **Wang, L.**, & Duenas, G. (2025, April 3–4). *The 3-2-1 bridge: Research-validated strategy for doubling student information retention* [Paper presentation]. USG Teaching and Learning Conference: Teaching with Impact. Columbus Convention and Trade Center. Columbus, GA.

- **Wang, L.**, & Duenas, G. (2025, February 27–28). *Leveraging Technology to Tap Multilingual Children's Funds of Knowledge* [Paper presentation]. 2025 International Society for the Social Studies Annual (Virtual) Conference.

- **Wang, L.**, & Duenas, G. (2025, February 13–15). *AI and education in minority communities: Enhancing learning experiences through generative AI tools* [Paper presentation]. 33rd Annual

NAAAS & Affiliates National Conference, Dallas, GA.

- **Wang, L.**, & Duenas, G. (2025, February 13–15). *Value of digital citizenship: Platform for culturally diverse early childhood settings* [Paper presentation]. 33rd Annual NAAAS & Affiliates National Conference, Dallas, GA.

- **Wang, L.** (2024, October 19–23). *Augmenting Children's Lexical Development: Augmented Reality, Pedagogical Agents and Automatic Assessment in Educational Technology Integration* [Paper presentation]. The Association for Educational Communications and Technology (AECT) 2024, Kansas City, MO, United States.

- **Wang, L.**, & Koszalka, T. A. (2024, April 11–14). *Construct Validation of a Learning Resources Rubric [LRR]: A Modified Delphi Study* [Roundtable Session]. American Educational Research Association (AERA) 2024 Annual Meeting, Philadelphia, PA, United States.

- **Wang, L.**, & Koszalka, T. A. (2024, April 11–14). From Theory to Practice: Usability and Real-world Applications of the Learning Resources Rubric [LRR] [Paper presentation]. American Educational Research Association (AERA) 2024 Annual Meeting, Philadelphia, PA, United States.

- **Wang, L.** (2023, April 21). Construct Validation of a Learning Resources Rubric [LRR] through the Application of the Delphi Technique [Paper presentation]. The first annual Graduate Student Research Symposium in the School of Education, Syracuse University, Syracuse, United States.

- **Wang, L.**, & Koszalka, T. A. (2023, April 13–16). Establishing validity and usability of a Learning Resources Rubric [LRR] [Paper presentation]. American Educational Research Association (AERA) 2023 Annual Meeting, Chicago, IL, United States.

- Liu, R., Kang, J., **Wang, L.** & Fan M. (2022, July 19-21). Effects of Immersive Virtual Reality-based Classroom on Student Engagement in Science Lessons. [Paper presentation]. International Symposium on Educational Technology 2022. Hong Kong, China.

- Salim, Z., **Wang, L.**, & Koszalka, T. A. (2020, November 2–7). A Rubric to Assess Learning Resources Using Principles of Design and Learning: An Addition to Instructional Designer's Toolbox [Paper presentation]. The Association for Educational Communications and Technology (AECT) 2020 Annual Meeting, Virtual.

- **Wang, L.** (2020, April 17–21). Investigating the Effectiveness of Self-regulation Learning Strategies on Undergraduates' Perception of Motivation in Online Courses [Paper presentation]. American Educational Research Association (AERA) 2020 Annual Meeting, San Francisco, CA, United States, Virtual.

- Liu, R., & **Wang, L.** (2020, April 17–21). Effects of Immersive Virtual Reality-based Classroom on Student Engagement in Science Lessons [Paper presentation]. American Educational Research Association (AERA) 2020 Annual Meeting, San Francisco, CA, United States, Virtual.

INVITED TALKS & PRESENTATIONS

- **Wang, L.** (2025, April 30). Navigating AI in Education: Trends, Tools, and Thought Starters. Professional Development hosted in the Department of Curriculum, Instruction, and Technology, AUM.
- **Wang, L.** (2025, April 16). Trials and Triumphs: What I Wish I knew in My PHD Journey. The Association for Educational Communications and Technology (AECT), Virtual.
- **Wang, L.** (2025, March 27). Leveraging AI for Collaborative Digital Storytelling in Civic Education. Flash Talks. AUM, AL.
- **Wang, L.,** Gutsch, S., & Yao, Z. (2024, August 13). Enhancing Assessment and Grading with AI and Rubrics. Fall Professional Development Day, Fort Hays State University, KS.
- Yao, Z., **Wang, L.,** Gutsch, S., Chen, H., Ma, S., & Gutsch, R. (2024, October). Panelist on Adopting AI for Course Design: Insights from Instructional Designers in Higher Education. The Association for Educational Communications and Technology 2024, Kansas City, MO, United States.
- **Wang, L.** (2024, March). Generative AI-Enhanced Pedagogical Agents in Augmented Reality: A Study on Primary Students' Science Performance. The 19th annual John Heinrichs Scholarly and Creative Activity Days, Fort Hays State University, KS.
- **Wang, L.,** & Shuter, M. (2023, August). Creating Your Own Teaching Persona. Annual Teaching Assistant Orientation at Syracuse University, Syracuse, NY.
- **Wang, L.,** Liu, Q., Kazbekova, D., & Odiwuor. B. (2023, August). Moderator and Panelist on Succeeding as an international teaching assistant. Annual Teaching Assistant Orientation at Syracuse University, Syracuse, NY.
- **Wang, L.,** & Melese, F. (2023, May). Navigating Co-Teaching as Ph.D. Students. Syracuse University Future Professoriate Program Annual Conference, Altmar, NY.
- **Wang, L.,** & Walton, A. (2023, March 10). Creating Measurable Learning Objectives with Bloom's Taxonomy. Teaching Assistant Program Workshop at Syracuse University, Syracuse, NY.
- **Wang, L.,** & Raja, W. (2022, August). Motivating Students. Annual Teaching Assistant Orientation at Syracuse University, Syracuse, NY.

- **Wang, L.**, Odiwuor B., &. Revolledo G. (2021, August). Motivating Students. Annual Teaching Assistant Orientation at Syracuse University, Syracuse, NY.
- **Wang, L.** (2021, February). Chinese Classroom Culture in K-12 educational settings in Chinese Culture Workshop. Maxwell, Syracuse University [Invited Talk]
- **Wang, L.** (2021, March). Constructing a Teaching Portfolio, TA program, Syracuse University, Syracuse, NY.
- **Wang, L.**, & Griffin, E. (2020, August). Motivating Students. Annual Teaching Assistant Orientation at Syracuse University, Syracuse, NY.
- **Wang, L.**, & Salim, Z. (2020, February). Activate your teaching-From Principles to Practices. [Paper presentation]. Syracuse University Future Professoriate Program Annual Conference, Virtual

TEACHING EXPERIENCES IN HIGHER EDUCATION

- **Courses Taught as Instructor at Auburn University at Montgomery**
  - Graduate Courses
    - INST 6213: Computer-Based Instructional Technology
    - INST 6223: Current/Emerging Instructional Technology
    - INST 6243: Instructional Design
    - INST 7000: Action Research in Instructional Design
    - INST 7800: AI in Education
    - EDUC 8000: Dissertation Orientation
  - Undergraduate Courses
    - INST 4703: Educational Technology
- **New Course Development**
  - Artificial Intelligence (AI) in Education
  - Game-Based Learning Design
  - Global EdTech Implementation: Design and Strategy
  - Educational Assessment & Evaluation
  - Case Studies
  - Quantitative Research Method II
- **Curriculum Development**
  - Ed. S and Ed.D. course and program mapping

- o   Instructional Technology Program Handbook Development
- **Courses Taught as Instructor at Fort Hays State University**
  - o   AEP 867 Instructional Design and Assessment
- **Courses Taught as Teaching Assistant at Syracuse University**
  - o   EDU 886 Multivariate Research Methods
  - o   IDE 772 Educational Technology in International Settings
  - o   IDE 201 Integrating Technology into Instruction I
- **Courses Taught as Instructor of Record at Syracuse University**
  - o   IDE 401 Integrating Technology into Instruction III

MEDIA MENTIONS

- **American Educational Research Association (AERA). (2025).** *2025 Division H Awards – Outstanding Dissertation/Thesis, Category Chair.* https://www.aera.net/Division-H/Awards

- **American Educational Research Association (AERA). (2024).** *2024 Division Awards – Outstanding Dissertation Award, Division H*, **Recognized as the First Place Winner** in the **Outstanding Dissertation Award** category. https://www.aera.net/About-AERA/Awards/Division-Awards/2024-Division-Awards

- **Syracuse University School of Education. (April 5, 2023).** *IDDE Doctoral Lei Wang G'18 Wins "Three Minute Thesis" Graduate School Competition.* **Recognized as the 2023 Syracuse University Three-Minute Thesis Champion.** Awarded for presenting *"Decision Making Matters: A Learning Resources Tool to Prompt Deeper Learning."* https://soe.syr.edu/idde-doctoral-lei-wang-wins-three-minute-thesis-graduate-school-competition/

- **Syracuse University News. (March 23, 2023).** *Lei Wang, Yousr Dhaouadi Take Awards in 'Three Minute Thesis' Graduate School Competition.* **Featured as the 2023 Syracuse University Three-Minute Thesis Champion** for the presentation *"Decision Making Matters: A Learning Resources Tool to Prompt Deeper Learning".* https://news.syr.edu/blog/2023/03/23/lei-wang-yousr-dhaouadi-take-awards-in-three-minute-thesis-graduate-school-competition/

- **The Daily Orange. (March 6, 2023).** Graduate students enter Three Minute Thesis competition to prepare for final dissertation. **Featured for presenting the award-winning 3MT talk** "*Decision Making Matters: A Learning Resources Tool to Prompt Deeper Learning*" at Syracuse

University. https://dailyorange.com/2023/03/graduate-students-enter-three-minute-thesis-competition-to-prepare-for-final-dissertation/

PROFESSIONAL SERVICE AND ACTIVITIES

• Conference Leadership & Service

- **External Proposal Reviewer,** 2025 AECT-NATO ACT Design & Development Competition, September 2025
- **External Proposal Reviewer**, McJulien Scholar Reviews for Culture, Learning, and Technology Division, AECT, July 2025-Present
- **External Proposal Reviewer**, Annual Meeting of the American Association of Colleges for Teacher Education (AACTE), June 2025-Present
- **Chair,** Contemporary Explorations in Teaching and Learning Research Methods, Measurements and Contexts, AERA's SIG-Teaching and Learning Research Methods, April 2025, Denver, CO
- **Chair,** Contemporary Learning Environments Research: Measurements and Contexts, AERA's SIG-Learning Environments, April 2025, Denver, CO
- **Discussant,** Paper Session 3: Beyond One-Size-Fits-All: Tailoring Survey Instruments for Varied Educational Contexts, AERA's SIG-Survey Research in Education, April 2025, Denver, CO
- **Judge,** AERA Division D GSC In-Progress Research Gala (IPRG), April 2025, Denver, CO
- **Judge,** Alabama Technology Student Association (TSA) Competition, Alabama TSA Conference, April 2025, Alabama, USA
- **External Reviewer**, AREA 12. International Research on Teaching and Learning, Literacy Research Association, March 2025 – Present
- **External Reviewer**, Division of Distance Learning (DDL) Graduate Student Empirical Journal Article Award, Association for Educational Communications and Technology (AECT), March 2025 – Present
- **External Reviewer**, Division of Distance Learning (DDL) Award, Association for Educational Communications and Technology (AECT), March 2025 – Present
- **Member**, Learner Engagement Division (LED) Awards Task Force, Association for Educational Communications and Technology (AECT), March 2025 – Present
- **Program Chair**, Immersive Learning Research Network (iLRN), January 2025 – Present

- **Review Committee Chair,** the *AERA Division H Outstanding Publication Competition (OPC)*, October 2024 – Present
- **External Reviewer**, National Council on Measurement in Education (NCME) Classroom Assessment Conference, March 2024 – Present
- **External Reviewer**, Association for Educational Communications and Technology (AECT), March 2023 – Present
- **Board of Reviewers**, AERA Division H Outstanding Publication Competition (OPC), December 2022 – Present
- **External Reviewer**, American Educational Research Association (AERA), August 2022 – Present

• Editorial Service

- **External Reviewer,** *Electronics,* August 2025 – Present
- **External Reviewer,** *Teaching and Teacher Education,* August 2025 – Present
- **External Reviewer,** *Knowledge,* August 2025 – Present
- **External Reviewer,** *the International Journal of Distance Education Technologies (IJDET)*, July 2025 – Present
- **External Reviewer,** *the International Journal of Adult Education and Technology (IJAET)*, July 2025 – Present
- **External Reviewer,** *the International Journal of Technology-Enhanced Education (IJTEE)*, July 2025 – Present
- **External Reviewer,** *Journal of Computer Assisted Learning (JCAL)*, July 2025 – Present
- **External Reviewer,** *Education Sciences*, July 2025 – Present
- **External Reviewer,** *the Educational and Developmental Psychologist*, July 2025 – Present
- **External Reviewer,** *Journal of Educational Computing Research (JECR)*, July 2025 – Present
- **External Reviewer,** *International Journal of Human-Computer Interaction*, July 2025 – Present
- **External Reviewer,** *Educational Technology Research and Development（ETR&D)*, July 2025 – Present
- **External Reviewer**, *Computers & Education*, May 2025 – Present
- **Editorial Board Member**, *Interactive Learning Environments*, April 2025 – Present
- **External Reviewer**, *Journal of Educational Computing Research*, April 2025 – Present
- **External Reviewer**, *Technology, Knowledge and Learning*, March 2025 – Present
- **External Reviewer**, *Ethnographic & Qualitative Research (JEQR)*, March 2025 – Present

- **External Reviewer**, *Literacy Research: Theory, Method, and Practice*, March 2025 – Present
- **External Reviewer**, *The Journal of Applied Instructional Design (JAID)*, March 2025 – Present
- **External Reviewer**, *International Journal of Teaching and Learning in Higher Education*, March 2025 – Present
- **External Reviewer**, *The Journal of Educational Technology Development and Exchange (JETDE)*, January 2025 – Present
- **External Reviewer**, *International Journal of Technology in Teaching and Learning (IJTTL)*, January 2025 – Present
- **Peer Reviewer**, *Community Centered Learning Experience: How to Improve UX in Higher Education, Workforce Training, and Professional Education*, Edited by Lisa A. Giacumo & Helen E. Fake, Elsevier (2025–2026)
- **External Reviewer**, *Interactive Learning Environments*, October 2024 – Present
- **Guest Editor**, *Frontiers in Education*, May 2024 – Present
- **External Reviewer**, *Human Factors and Ergonomics in Manufacturing & Service Industries*, December 2022 – Present

• Committee Service

- **Faculty Handbook Committee Representative,** AUM, September 2025 – Present
- **Ed.D. Steering Committee**, COE, AUM, September 2025 – Present
- **Ed.D. Library Resources Committee**, COE, AUM, September 2025 – Present
- **Ed.D. Admissions Interview Committee Member**, Department of Curriculum, Instruction, and Technology, AUM, November 2024 – Present
- **Committee Member,** Awards/Scholarships, AUM, September 2024 – Present
- **Graduate Council Representative**, College of Education, AUM, September 2024 – Present
- **Teaching Mentor Selection Committee**, the Graduate School, Syracuse University, February 2023 & March 2021
- **Selection Committee** for Excellence in *Graduate Education (EGE) Faculty Recognition Awards*, Syracuse University, March 2022 – March 2024

• Mentoring and Facilitation Roles

- **Graduate Student Mentor**, AERA Division D Mentor Mentee program, April 2025 – Present
- **Graduate Student Mentor**, AERA Division H Mentor Mentee program, February 2024 – Present
- **Graduate Student Mentor**, School of Education, Syracuse University, January 2018 – May 2023

- **International Graduate Peer Mentor**, School of Education, Syracuse University, July 2018 – December 2023
- **Facilitator**, Mix-it-Up Program, Syracuse University, September 2018 – May 2023
- **Facilitator**, IDD&E New Student Orientation, Syracuse University, June 2020 – August 2020
- **Facilitator**, Graduate School New TA Orientation Sessions, Syracuse University, June 2020 – Present
- **Selected First-Year Experience Facilitator**, First Generation Program, Syracuse University, September 2018 – October 2018

• Professional Leadership Roles

- **President-Elect**, Division of Culture, Learning and Technology, AECT, May 2025-Present
- **Committee Member**, History and Archives Committee, Association for Educational Communications and Technology (AECT), May 2025-Present
- **Staff Senator for Academic Affairs**, Staff Senate, Fort Hays State University, April 2024 – July 2024
- **Student Influencer**, Office of Alumni Engagement and Annual Giving, August – December 2023
- **Website and Social Media Committee Chair**, AERA Division H Research, Evaluation, & Assessment in Schools, April 2023 – Present
- **Academic Plan Senator**, Graduate School Organization, Syracuse University August 2020 – August 2022
- **Doctoral Student Representative**, School of Education IDD&E Department Faculty Meetings, August 2021 – August 2022
- **Department Representative**, School of Education Assembly Meetings, August 2020 – August 2021
- **Public Relations and Media Committee Chair**, Chinese and American Friendship Association, Syracuse, NY, October 2018 – February 2024

PROFESSIONAL AFFILIATIONS

- American Educational Research Association (AERA)
- Association for Educational Communications and Technology (AECT)
- Mixed Methods International Research Association (MMIRA)
- Society of International Chinese in Educational Technology (SICET)
- The National Council on Measurement in Education (NCME)

- International Society for Technology in Education (ISTE)
- International Society of the Learning Sciences (ISLS)
- Association for Talent Development (ATD)

TECHNICAL SKILLS AND LANGUAGES

Trilingual	English, Mandarin, Japanese
Microsoft Office Suite	Word, Excel, PowerPoint, Outlook, Teams, Exchange
Google Suite	Google Classroom, Sheets, Docs, Slides, Forms, Meet
Media Management and Design	Canvas, Camtasia, Photoshop, Articulate 360, Blackboard, Adobe Captivate
Information Management	Qualtrics, SurveyMonkey
Data Analysis	SAS, SPSS, Amos, R, MaxQDA, NVivo, Atlas.ti