

## Wanju Huang, Ph.D.

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### Education

- 2010      Ph.D. in Curriculum & Instruction, Concentration in Technology  
University of Illinois at Urbana-Champaign  
Dissertation: *Seeing the Way They Are in the Way They IM: Case Studies of Instant Messaging in Taiwanese Fifth Graders' Lives*
- 2008      Graduate Certificate in East Asia Pacific Studies  
University of Illinois at Urbana-Champaign
- 2003      M.S. in Computer Science  
Northeastern Illinois University
- 1998      Teaching Certificate in High School Business Education  
National Changhau University of Education, Taiwan
- 1997      Teaching Certificate in Elementary in Special Education  
National Taichung University of Education, Taiwan
- 1995      B.A. in Business Administration  
National Sun Yet-Sen University, Taiwan

### Certification

- 2018      Quality Matters Applying the QM Rubric (APPQMR) Face-to-Face Facilitator
- 2017      Quality Matters Master Reviewer  
VoiceThread Certified Educator
- 2016      Quality Matters Peer Reviewer  
Quality Matters Applying the QM Rubric  
Online Course Development and Teaching, Eastern Kentucky University

### Academic Appointment

- 2019-present      Clinical Assistant Professor in Learning Design and Technology  
Department of Curriculum and Instruction  
Purdue University

## Teaching Experience

- 2019           Purdue University  
Instructor: EDCI 57200 – Learning Systems Design  
Instructor: EDCI 51300 – Foundations of Learning Design and Technology: An Introduction to the Field  
Instructor: EDCI 60002 – Demonstrating Professional Competencies in LDT (Learning Design and Technology)  
Instructor: EDCI 57300 – Learning Design and Technology Practicum
- 2018           Purdue University  
Instructor: EDCI 67200 – Advanced Practices in Learning Systems Design  
Instructor: EDCI 57700 – Strategic Assessment and Evaluation  
Instructor: EDCI 57200 – Learning Systems Design  
Instructor: EDCI 56900 – Introduction to E-learning  
Instructor: EDCI 55600 – Computer and Video Game Design for Education
- 2017           Purdue University  
Instructor: EDCI 67200 – Advanced Practices in Learning Systems Design  
Instructor: EDCI 57700 – Strategic Assessment and Evaluation  
Instructor: EDCI 57200 – Learning Systems Design  
Instructor: EDCI 53100 – Learning Theories and Instructional Design  
Instructor: EDCI 56600 – Educational Applications of Hypermedia
- 2016           Eastern Kentucky University  
Instructor: EES 310 – Applied Critical Thinking  
Instructor: EES 250 – Basic Social Intelligence  
Facilitator: CRJ 400 – Applied Criminal Justice Analysis
- 2015           Eastern Kentucky University  
Instructor: CRJ 400 – Applied Criminal Justice Analysis  
Instructor: EES 310 – Applied Critical Thinking  
Facilitator: EES 250 – Basic Social Intelligence  
Facilitator: NSC 905 – Analytic Methods for Evidence-Based Practice  
Guest Lecturer: McNair Research Symposium  
Topic: Qualitative Research Methods
- 2014           Eastern Kentucky University  
Facilitator: CRJ 400 – Applied Criminal Justice Analysis  
Facilitator: EES 250 – Basic Social Intelligence  
Facilitator: EES 450 – Leaders Without Titles  
Facilitator: FSE 200 – Applied Fire and Safety Analysis  
Guest Lecturer: McNair Research Symposium  
Topic: GRE Preparation
- 2013           Eastern Kentucky University  
Facilitator: CRJ 400 – Applied Criminal Justice Analysis  
Facilitator: EES 300 – Advanced Social Intelligence Analysis  
Facilitator: FSE 200 – Applied Fire and Safety Analysis  
Guest Lecturer: McNair Research Symposium  
Topic: GRE Preparation
- 2012           Eastern Kentucky University  
Instructor: CRJ 400 – Applied Criminal Justice Analysis

- 2011 Eastern Kentucky University  
Facilitator: CRJ 400 – Applied Criminal Justice Analysis
- 2010 University of Illinois at Urbana-Champaign  
Instructor: Summer Pre-Doctoral Institute (SPI), Research Methods and Statistics  
Guest Lecturer: AS/EALC 550 – Graduate Certificate in East Asia Seminar  
Topic: Instant Messaging in Children’s Lives and Relationships in Taiwan
- 2009 University of Illinois at Urbana-Champaign  
Guest Lecturer: EDPSY 490E – Case Study Evaluation Methods  
Topic: Interviewing and Data Analysis
- 2008-2010 University of Illinois at Urbana-Champaign  
Teaching Assistant: RLST 110 – Introduction of World Religions
- 1998-2001 Special Education Teacher, Chungcho Elementary School, Kaohsiung, Taiwan

### **Instructional Design & Technology Experience**

- 2017-2019 **Instructional Design Supervisor**, Teaching & Learning Technologies, Purdue University
- Led a team of eight instructional designers and one graduate assistant
  - Provided overall leadership and direction, including setting expectations, assigning duties, delegating responsibilities, and evaluating performance
  - Served as a management team member for the IMPACT (Instruction Matters: Purdue Academic Course Transformation) program
  - Coordinated with Purdue Online Learning College of Engineering, managing instructional design resources and support
  - Evaluated and recommended instructional technologies and strategies to enhance the quality of the teaching and learning experience
- 2016-2017 **Instructional Designer**, Teaching & Learning Technologies, Purdue University
- Designed and developed online courses in collaboration with Digital Education
  - Collaborated with subject matter experts and the Envision Center to develop Central Service Technical Training certificate programs
  - Served as a primary consultant for the IMPACT (Instruction Matters: Purdue Academic Course Transformation) Faculty Development Community
  - Evaluated and recommended instructional technologies and strategies to enhance the quality of the teaching and learning experience
  - Collaborated with Purdue educational technologists to provide training and support to meet faculty’s instructional needs
  - Collaborated with Purdue accessibility support staff to incorporate and implement ADA policy Section 508
- 2014-2016 **Lecturer**, Social Intelligence & Leadership Institute, Eastern Kentucky University
- Conducted General Education Program Evaluation including gathering, synthesizing, and interpreting students’ assignment performance data as well as providing the report to the instructors of record for course improvement
  - Provided student progress reports to instructors to enhance student learning and retention
  - Collaborated with instructors to create online course versions for the courses offered by the Institute
  - Consulted with instructors in structuring courses for several learning contexts and student populations

- Assisted faculty in integrating instructional technologies in their classrooms
- Developed scenario-based video clips for course exams and lectures
- Managed and maintain Blackboard course sites to ensure usability and accessibility
- Provided technical training and support for faculty, staff, and students

- 2010-2014 **Instructional Designer**, Office of e-Campus Learning, Eastern Kentucky University
- Primary instructional designer for the following programs
    - Department of Baccalaureate and Graduate Nursing: Master of Science in Nursing (MSN) – Family Nurse Practitioner, MSN – Psychiatric Mental Health, MSN – Nursing Administration, and Doctor of Nursing Practice
    - Department of Occupational Sciences and Occupational Therapy: Doctor of Occupational Therapy program
    - Department of Safety, Security, and Emergency Management: Bachelor's Programs in Occupational Safety, Homeland Security, and Fire Protection and Safety Engineering Technology
  - Collaborated with course instructors to design and develop engaging and interactive online courses
  - Researched instructional technologies and evaluated their usefulness for improving online teaching and learning
  - Provided technical training with learning-management systems and curriculum design consulting relevant to course development
  - Evaluated online courses based on the Quality Matters Rubric Standards to ensure the quality of online courses
  - Directed and created marketing videos featuring academic advisers and students
- 2006-2010 **Graduate Assistant, Webmaster/Graphic Designer**, Center for South Asian and Middle Eastern Studies, University of Illinois at Urbana-Champaign
- Collaborated with an interdisciplinary curriculum development team to design and create educational materials, aligned with Illinois K-12 Social Sciences curriculum to promote learning and awareness of South Asia and Middle East countries, as well as global citizenship
  - Created and maintained an instructional resource database for the center's outreach program
  - Designed, developed, and maintained the center's website
- 2003-2005 **Graduate Assistant, Instructional Designer**, Academic Outreach, University of Illinois at Urbana-Champaign
- Collaborated with course instructors to develop engaging and interactive online courses by integrating graphics, audio, and video components to build Flash animation for course materials including assignments
  - Identified specific course needs and implemented appropriate pedagogical delivery mechanisms to enhance teaching and learning experiences for course instructors and students
  - Solved students' and course instructors' technological problems and addressed interface challenges
  - Led an instructional design team to develop online tutorial for students and course instructors

## Publications

### Journal Articles

- 2015 Gray, K. L., & Huang, W. J. (2015). More than addiction: Examining the role of anonymity, endless narrative, and socialization in prolonged gaming and instant

messaging practices. *Journal of Comparative Research in Anthropology and Sociology*, 6(1). 133-147.

- 2010 Witz, K., Lee, H. J., & Huang, W. J. (2010). Consciousness in the study of human life and experience: "Higher aspects" and their nature. *Qualitative Inquiry*, 16(5), 397-409.

#### Book & Book Chapter

- 2017 Huang, W., & O'Brien, S. (2017). Creating online presence: Weekly video feedback brings everyone together. In H. Blythe, C. Sweet, & R. Carpenter (Eds.), *It works for me, creatively: Shared tips for the classroom*. Stillwater, OK: New Forums Press.
- 2000 Huang, W. J., Shao, Z. L., & Lin, S. C. (2000). *Developing everyday reading skills in Chinese for children with special needs*. Kaohsiung City, Taiwan: Bureau of Education of Kaohsiung City.

#### Invited Publication

- 2012 Huang, W. J. (2012). Extracts from correspondence. In J. M. Meloy, *Twenty-first Century Learning by Doing* (pp. vii, 16, 73, 121, 134, 145, 155, Appendix III). Rotterdam, Netherlands: Sense Publishers.

#### Conference Proceedings

- 2015 Huang, W. J. (2015, March). Be visible in the invisible learning context: How can instructors humanize online learning. Paper presented at the 42<sup>nd</sup> Annual Federation of Business Disciplines, Association of Business Information Systems (ABIS) Conference, Houston, TX.
- 2012 Huang, W. J., & Dunlap, S. (2012, May). Advancing online course development through Action Research. Paper presented at the 8<sup>th</sup> International Congress of Qualitative Inquiry, University of Illinois, Urbana-Champaign, IL.

#### Presentations

- 2018 Huang, W. J., Barragato, A., Beck, C., & Smith B. Help me help you: Cyclical professional development matchmaking using focus groups. Paper presented at the 39<sup>th</sup> Annual International Lilly Conference on College Teaching, Miami University, Oxford, OH.
- Huang, W. J. Picture perfect for attention: Building teaching and social presence. Paper presented at the 50<sup>th</sup> Annual International Visual Literacy Association Conference, National Louis University, Chicago, IL.
- Cody, C., Kennedy, A., & Huang, W. Lessons in the trenches: Clearing the barriers between credit and non-credit. WCET's 30<sup>th</sup> Anniversary Celebration and Annual Meeting, Portland, OR.
- Steffen, D., & Huang, W. J. Can free-response assessment strategies survive in large-enrollment STEM courses?" Assessment Institute in Indianapolis, Indianapolis, IN.
- Barragato, A., & Huang, W. J. WWW.socialpresence.cam(tasia). Session presented at the Virtual General Education Conference, West Lafayette, IN.
- Steffen, D., & Huang, W. J. Is it scalable?: A comprehensive pilot process to evaluate new technology. OLC Innovate 2018, Nashville, TN.

- 2017 Neubauer, K., Huang, W. J., & Hands, N. Teamwork makes the dream work: IMPACT (Instruction Matters: Purdue Academic Course Transformation) at Purdue. Paper presented at the 38<sup>th</sup> Annual International Lilly Conference on College Teaching, Miami University.
- Huang, W. J. Decreasing statistics anxiety with animation guided by multimedia learning design principles. Paper presented at the 49<sup>th</sup> Annual International Visual Literacy Association Conference, Lesley University, Cambridge, MA.
- Huang, W. J. & Mong, C. Engaging students for success with teaching & learning technologies. Boiler Share Symposium, Purdue University, West Lafayette, IN.
- Huang, W. J. Participant as ally and co-contemplator: Walking with the participant moves me. Paper presented at the 13<sup>rd</sup> International Congress of Qualitative Inquiry, University of Illinois, Urbana-Champaign, IL.
- Buikema, S., & Huang, W. J. Next generation eText: Providing greater interaction and individualization. Paper presented at the IMS Global 2017, Denver, CO.
- Buikema, S., & Huang, W. J. Next generation eText: Providing greater interaction and individualization. OLC Innovate 2017, New Orleans, LA.
- 2016 Rockwell, S., & Huang, W. J. Better than the textbook: Benefits of virtual labs in teaching and learning. Paper presented at the 37<sup>th</sup> Annual International Lilly Conference on College Teaching, Miami University, Oxford, OH.
- Rockwell, S., & Huang, W. J. Use of virtual laboratories during introductory science courses. Teaching and Learning Innovations Series. Noel Studio for Academic Creativity. Eastern Kentucky University, Richmond, KY.
- Huang, W. J. Diversifying technology for a diverse student body. Paper presented at the 2016 Kentucky Association of Blacks in Higher Education 33<sup>rd</sup> Annual Conference, Bowling Green, KY.
- Huang, W. J. The cyclical relationship between online learning and face-to-face learning. Paper presented at the 43<sup>rd</sup> Federation of Business Disciplines, Association of Business Information Systems (ABIS) Annual Conference, Houston, TX.
- DeLetter, M., Huang, W. J., Hall, L. A., & Rayens, M. K. In the world of statistics we navigate together: An exciting, engaging, and effective inter-professional DNP statistics course. Poster presentation at the American Association of Colleges of Nursing 2016 Doctoral Education Conference, Naples, FL.
- 2015 Huang, W. J. Technology: What works?. Assurance of learning day. School of Justice Studies. Eastern Kentucky University, Richmond, KY.
- O'Brien, S., & Huang, W. J. Engaged learning in online occupational therapy program. Poster presentation at the 95<sup>th</sup> American Occupational Therapy Association (AOTA) Conference, Nashville, TN.
- Huang, W. J. Be visible in the invisible learning context: How can instructors humanize online learning. Paper presented at the 42<sup>nd</sup> Federation of Business Disciplines, Association of Business Information Systems (ABIS) Annual Conference, Houston, TX.

- 2014 Parrish, E., & Huang, W. J. Scenario-based multimedia learning: Bringing the reality closer to online PMHNP nursing students. Paper presented at the American Association of Colleges of Nursing 2014 Master's Education Conference, Scottsdale, AZ.
- 2012 Huang, W. J., & Dunlap, S. Advancing online course development through Action Research. Paper presented at the 8<sup>th</sup> International Congress of Qualitative Inquiry, University of Illinois, Urbana-Champaign, IL.
- Huang, W. J., & Dunlap, S. Transforming online learning with videoconferencing and group projects. Paper presented at the 33<sup>rd</sup> Annual International Lilly Conference on College Teaching, Miami University, Oxford, OH.
- 2011 Slijepcevic, N., & Huang, W. J. Augmented Reality in education. Paper presented at the Kentucky Converging Trends in Teaching and Learning, METS Center, Northern Kentucky University, Newport, KY.
- Huang, W. J. Re-imagining online teaching and learning. Co-Curricular Learning Community (CCLC), Office of Quality Enhancement Programs, Eastern Kentucky University, Richmond, KY.
- 2010 Huang, W. J. Quality Matters Rubric and online learning. Faculty Development Series, Office of Distance Education & Multimedia Services, Eastern Kentucky University, Richmond, KY.

#### **Invited Talk**

- 2015 Huang, W. J. Be visible in the invisible learning context: How can instructors humanize online learning. Teaching Collaborative Seminar, Youngstown State University, Youngstown, OH.

#### **Grants & Funding**

- 2019 NSF Grant (Jan. 2020 – Dec. 2022). Development, Deployment, and Evaluation of Instructional Modules for Current and Future Practitioners of Model-based Systems Engineering. (Senior Personnel, \$1,989,709)
- 2018 NSF Grant (Sept. 2018 – Sept. 2020). CyberTraining: CIU: Cross-disciplinary Training for Findable, Accessible, Interoperable, and Reusable (FAIR) science (Co-PI, \$ 498,148)
- Susan Harwood Grant (Sept. 2018 – Sept. 2019). Excavation Training in Construction Utilizing Extended Reality (XR). (Co-PI, \$75,000)
- 2017 Susan Harwood Grant (Sept. 2016 – Sept. 2017). Fall Protection Training in Construction Utilizing Virtual Reality. (Co-PI, \$ 50,000)
- 2015 School of Justice Research Program Grant, Eastern Kentucky University. Implicit Bias and Law Enforcement: Developing Multimedia, Scenario-Based, Teaching-Learning Materials to Train Police Personnel. (Co-PI, \$ 7,218)
- College of Justice & Safety, Eastern Kentucky University. Social Intelligence video production funding. (\$ 4,700)
- 2013 College of Justice & Safety, Eastern Kentucky University. Augmented Reality research project funding. (\$ 3,500)

## **Honors & Awards**

- 2016 Critical Thinking Teacher of the Year, Eastern Kentucky University
- 2015 McGraw-Hill/Irwin Distinguished Paper Award, 42<sup>nd</sup> Annual Federation of Business Disciplines, Association of Business Information Systems (ABIS) Conference, Houston, TX
- 2014 Recognition for Excellence in Course Design, Eastern Kentucky University  
Invited faculty panelist for the faculty development program for online teaching, Eastern Kentucky University
- 2013 College of Justice & Safety Outstanding Service to College Award, Eastern Kentucky University
- 2010 Selected member of the Co-Curricular Learning Community (CCLC), Office of Quality Enhancement Programs, Eastern Kentucky University  
Exemplary Leadership Award, Summer Pre-Doctoral Institute (SPI), University of Illinois at Urbana-Champaign
- Selected participant at the International Curriculum Research Graduate Student Seminar, American Educational Research Association, Denver, CO
- Excellent teaching Recognition, Spring 2010, Center for Teaching Excellence, University of Illinois at Urbana-Champaign
- 2009 Excellent teaching Recognition, Fall 2009, Center for Teaching Excellence, University of Illinois at Urbana-Champaign

## **Institutional Service**

- Purdue IMPACT (Instruction Matters: Purdue Academic Course Transformation)  
Management team member
- Purdue System-Wide Task Force on Digital Education
- EKU LMS (Learning Management System) Review Committee
- EKU International Education Sub-Committee
- EKU Asian Studies Advisory Board

## **Technical Skills**

- Learning Management Systems: Blackboard, Canvas, Desire2Learn, and Moodle
- Lecture Capture Systems: Adobe Connect, WebEx, Elluminate, and Wimba
- Multimedia Development: Camtasia, Captivate, Dreamweaver, and Photoshop
- Video & Animation Production: Adobe Premiere, iMovie, and Muvizu
- Augmented Reality & 3-D Modeling Systems: Sketchfab and Sketch-Up