

Minjuan Wang

- Definitions: Trained as an instructional designer and educational technologist, I approach research and development from a systematic perspective (for instance, analysis, design, development, implementation, and evaluation). I am keen on bringing emerging technologies into teaching and learning, including K-12 schools. I believe that technology should free people from being confined to one location. It should connect people around the world and also enable them to learn anytime anywhere (social and mobile learning). On the other hand, as a creative writer, I like to travel, observe, and write stories.
- Tools: I teach Methods of Inquiry, Designing and Developing for the Global Audience, Mobile learning design, Technologies for Course Delivery, and Technologies for Teaching. My research specialties focus on the sociocultural aspects of online learning, mobile learning, cloud learning, and intelligent classrooms. Most of my projects are in collaboration with research teams from other countries such as China, U.K., and UAE. And the work often involves developing innovation learning systems and testing it with large numbers of users.
- Types of research questions I ask: My research has been highly interdisciplinary. I work with scholars from computer science, telecommunication, language teaching, engineering, and now geography! The questions vary a great deal from projects from projects. Here is an example on building intelligent classrooms (iClassroom): (a) How successful is the design of the iClassroom? (b) Can the iClassroom fully support teacher's instructional needs? (c) How do students interact and learn in the iClassroom? Can iClassroom fully support their learning and communication needs? And(d) What's the impact of iClassroom on teaching and learning? Are there better learning outcomes?
- Mentoring and collaborative work: I have about 45 peer-reviewed articles (with 5 being sole-authored) published in premier journals, such as *Educational Technology Research and Development*, *IEEE Transactions on Education*, *Computers and Education*, *British Journal of Educational Technology*, and *International Journal on E-Learning*. I also published 15 book chapters on Best practices in teaching online or hybrid courses, Cross-cultural issues in online learning, Cybergogy for interactive learning online, and assessment of mobile learning in large classrooms. Most of my co-authors are professors from the collaborating institutions. Eight of my co-authors were M.A. or doctoral students. I like to help students turn their course projects into publications. In addition, I serve on the editorial board for four journals in Education and computer science.
- Example of my disciplinary approach: I recently keynoted the 8th Intelligent Environments conference in Guanajuato, Mexico. My presentation reviewed the evolution of learning, from classroom to E-, to mobile, and to the recently emerged cloud learning, with a focus on the latter two. I draw experiences from my classroom practice, integrate it with the up-to-date research, and intend to inspire others to think of the future of education and contribute to its development.