



ISET 2018 Keynote Speaker



Professor BaoHui Zhang

Dr. BaoHui Zhang is Qujiang Scholar professor, former dean, and doctoral student supervisor at the School of Education (SOE), Shaanxi Normal University (SNNU), Xi'an, China. He received his Master degree in chemistry education from Beijing Normal University in 1994, master degree in 2002 and PhD degree in 2003 in Educational Technology from the University of Michigan, USA. He has 12 years' experience studying, living, and working out of China (6 years in the US and another 6 years in Singapore as a faculty member at the National Institute of Education, Nanyang Technological University). He served as professor and doctoral supervisor at the Institute of Education, Nanjing University (2011-2014) after returning to China. He joined SNNU in 2014 after its global dean search.

He is currently chair of Research and Publication of the International Council of Associations for Science Education (ICASE) and editor of *Science Education International*, a flagship journal of ICASE (2014-2018). He served as the co-chair of JRST Award Selection Committee of NARST, a world-wide organization for improving science teaching and learning (2011-2012). He also served as an executive committee member of EASE(2015-2018), and a member of the NAPLES (Network of Academic Programs in the Learning Sciences) Task Force and the membership committee of the fastest growing education researchers' community-- International Society of the Learning Sciences (ISLS) (2011-now).

He is a member of the Steering Committee for Professional Teaching of Educational Technology in Colleges and Universities of the Ministry of Education of China (2013-2017). He was elected as a vice-president of the Chinese Learning Sciences Association, a branch of the China Higher Education Association (2013-2017). He was also elected as a deputy-secretary general of the National Association for Science Education, the Chinese Society of Education (NASE) (2013-2017). In 2015, he was appointed by China MOE to be the team leader to evaluate the *National Chemistry Curriculum Standards for Deaf Students at Compulsory Education Stage*.

He has also served or is serving as associate editor, editorial board member or reviewer for a number of English journals (such as the *International Journal of Science Education*, SSCI) or Chinese journals (such as the *Journal of Open Education Research*, CSSCI journal) that are based in US, UK, Turkey, Bahrain, Taiwan, Hong Kong, or mainland China on Educational Technology, Science Education, and/or the Learning Sciences. He has co-authored 12 SSCI journal papers and 22 CSSCI journals, one monograph, and edited 1 English and 2 Chinese International Conference proceedings, Co-edited 1 special issue of an SSCI journal (JOSET) and 1 special issue of another English journal (REPTL). Prof. BaoHui Zhang has presented education research work of his and his collaborators' in 15 countries and regions.

He started his career as a high school chemistry teacher in 1989. Since 1991, his work has been mainly around teacher education, later his research also extended to student learning. He can teach some courses in education for undergraduate, master or doctoral students in both Chinese and English. From Singapore to China, Prof. Zhang has supervised postdoctoral fellows, doctoral students, visiting scholars, master and undergraduates

who were from the US, Singapore, Canada, India, Indonesia, Yemen and China. His research has been in the intersection of educational technology, science education, and the learning sciences, which focuses on how to integrate ICT (Information and Communication Technology) into inquiry science learning in formal and informal settings and make the intervention sustainable and scalable. His collaborators in the US, Singapore, and China and he summarized their pedagogical models as iMVT and Seamless Learning, respectively, mainly at K-12 level. The pedagogy has been implemented as a web-based iMVT platform called WiMVT (Web-based Modeling and Visualization integrated inquiry-based science learning environment) in Singapore. Recently, he and some collaborators have developed knowledge and experience in assistive technology for learning. In Oct. 2012, he initiated and took charge to organize the International Conference in Science Education in Nanjing University (<http://zhangbaohui.snnu.edu.cn/icse2012>), which was the first for the National Association for Science Education, the Chinese Society of Education (NASE) after it was established. In Nov. 2014, he initiated and took charge to organized the first conference of its kind in China, the International Forum on Assistive Technology for Learning at the School of Education, Shaanxi Normal University, Xian, China (<http://zhangbaohui.snnu.edu.cn/ifat2014/>).

Selected publications

Zhang, B. H., Fulmer, G., Liu, X., Wei, B., & Hu, W. (Eds.). (2014). *Proceeding of the 2012 International Conference on Science Education (Nanjing, China)* : Springer

Liu, X., & **Zhang*, B. H.** (Editors). (2013). *Special Issue: Selected Papers from the International Conference on Science Education (Nanjing, China) 2012*, Journal of Science Education and Technology. [SSCI]

Lee, C.-S., Rodrigo, M. M. T. & **Zhang, B. H.** (Eds.) (2014). *Situating Transfer through the Design of Adaptable Curricula, Methodologies, and Technologies*. Special Issue of Research and Practice in Technology Enhanced Learning (RPTEL).

Zhang, B. H. (2013). *Students' Computer-based Modeling Practices and Their Changes: Classroom-based Research with Middle School Science Students*: LAP LAMBERT Academic Publishing.

Liu, X. and **Zhang, B. H.** (2014). *Editorial: Special Issue (SI): International Conference on Science Education (ICSE)*. Journal of Science Education and Technology: 1-4. [SSCI]

Zhang, B. H., Seow, P. & Zhang, J. (2013). "Designing a seamless learning environment in environmental education." *China Educational Technology* (10): 128-135. [CSSCI]

Cao, Q., **Zhang*, B. H.**, Liu, Y., & Liang, L. (2013). (In Chinese) Students as Course Co-designers: A Design Research on Student Participation in a Postgraduate Bilingual Course. *Open Education Research*.19(6): 51-61 [CSSCI]

Zhang, B. H., Lin, P., & Tian, D. (2013). (In Chinese) Understand ICT for the Learning of People with Disabilities: An Interview on Assistive Technology with Prof. John Castellani at the Johns Hopkins University. *Modern Distance Education Research* (4), 19-24. [CSSCI]

Zhang, B. H., Cao, Q., & Liang, L. (2013). (In Chinese) The History and Development of the Learning Sciences: An Interview with Professor Janet Kolodner. *Open Education Research*, 19(3), 4-10.

Zhang, B. H., Zhang, H., & Peng, S. (2013). (In Chinese) The Development and Changes of Science Education in a Global Age: An Overview of the International Conference on Science Education 2012. *Global Education* (4), 120-128. [CSSCI]

Zhang, B. H., Zhang, J., & Wong, L. (2013). (In Chinese) Application Research of Using Computer Modeling for Learning Assessment. *China Educational Technology* (4), 103-109. [CSSCI]

Gao, X., & **Zhang***, **B. H.** (2013, In press). Chapter 2: General situation of the development in China preschool scientific education: the background, current situation and reflection. In X. Liu & L. Liang (Eds.), *Science Education in China: Policy, Practice, and Research*, Springer.

Gu, X., **Zhang, B. H.**, & Lin, X. (2008). Evaluating online solutions for experiential support of distance teachers in China. *Journal of Computer Assisted Learning*, 25(2), 114–125. [SSCI]

Zhang, B. H., Liu, X., & Krajcik, J. S. (2006). Expert models and modeling processes associated with computer modeling tool. *Science Education*, 90(4), 579-604. [SSCI]