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**Biography**

Dr. Zheng received his Ph.D. in Educational Psychology from University of Illinois at Urbana-Champaign, USA. His research interests mainly include educational and psychological assessment, technology-supported assessment and learning (cognitive diagnostic computerized adaptive testing, etc.), and applied statistics. He has published over 20 articles in peer-reviewed journals including Journal of Applied Psychology, Journal of Educational Measurement, Applied Psychological Measurement, and International Journal of Testing.

**Workshop Description**

*Workshop Title: AI-Enhanced key competency learning and assessment: A Chinese writing automated writing and tutoring system*

This workshop mainly introduces the latest development trend of educational evaluation in the era of core literacy, several major challenges and solutions based on artificial intelligence technology. Key competency is the synthesis of knowledge and skills, methods and processes, emotions and values. The highly complex characteristics make the evaluation and learning of key competency the most concerned frontier topic for researchers, administrators and front-line teachers in the field of basic education.

Based on the interdisciplinary research project of Shanghai Institute of Intelligent Education - "xiaohuashi Chinese writing automatic evaluation and guidance system", we share our ongoing research on pedagogy, educational measurement and computer science. This workshop will show some preliminary results of the cultivation and evaluation of writing literacy in the field of basic education by using artificial intelligence technology.