

# **FED-CLLE Seminar: “Measurement of Self-Efficacy Beliefs in Language Acquisition: Development and Validation”**

**Centre for Language and Literacy Education, Faculty of Education**

**Date & Time:** 22 April 2026 (Wednesday); 15:00-16:30

**Venue:** E33-Room 2036, Faculty of Education

**Language:** English

**Registration:** Online Registration (<https://umac.questionpro.com.au/t/ARsqfZSB0r> or  )

**Enquiries:** Mr. Alex CHEN (Email: [fed\\_event@um.edu.mo](mailto:fed_event@um.edu.mo) / Tel: 8822-4575)

## **Abstract:**

Based on Messick’s (1995) theoretical framework of construct validity and Kane’s (2013) view of validating the interpretations and uses of test scores, this talk presents the instrument development and validation process. Five major sources of validity evidence described by AERA, APA, and NCME (2014) will be discussed with examples: Content, response process, relations to others, internal structural, and consequences of testing. The statistical procedures that are often used for validation are also going to be shared, which include confirmatory factor analysis, Rasch Rating Scale Model, path analysis, structural equation modeling, t-test, ANOVA, Pearson correlation, test of invariance, and latent profile analysis.

## **Speaker:**

Prof. Chuang WANG is Professor of Educational Research, Measurement and Evaluation and Chair of the Department of Educational Leadership at the University of North Carolina at Charlotte (UNC Charlotte). He has received six National Science Foundation (NSF) grants and served as an independent evaluator for four other federally funded research grants from the U.S. Department of Education. Recently, He received an NSF grant about the use of AI in data analysis. Prof. Wang also received eight state/regional grants in North Carolina and South Carolina. His expertise includes quantitative research methods, English language learner’s self-efficacy beliefs, and self-regulated learning strategies. He has published 8 books, 22 book chapters, and over 200 peer-reviewed journal articles in highly reputable journals. He was listed as one of the world masters in English language education by China Daily and top 2% scientists worldwide by Stanford University. In 2024, Prof. Wang received the Distinguished Faculty Award from the Cato College of Education at UNC Charlotte. He has also received awards in research, teaching, and service from UNC Charlotte and academic associations such as American Educational Research Association, the U.S. Academy of Educational Leadership, the Association for Educational Communications and Technology, and the Chinese American Educational Research and Development Association. He served as the Editor-in-Chief of the Educational Research & Development Journal and the Journal of Applied Educational and Policy Research. He is Associate Editor of Psychology in the Schools.