

My Research, Reflection and Vision about Teacher Education and Teacher Professional Development: The Case of Mathematics

Date: 23 April 2025 (Wednesday)

Time: 15:00-16:30

Venue: Tin Ka Ping Lecture Hall, Faculty of Education (E33-G021)

Language: English

Registration: Online Registration (<https://go.um.edu.mo/gaynqmi1> or



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Abstract:

In this inaugural lecture, the speaker, Prof Lianghuo Fan, will first provide an overview of five of his research studies on teacher education and teacher professional development, with a primary focus on the subject of mathematics, that he has conducted in USA, Singapore, UK and China over his long career as an educational researcher, and elaborate the implications of his research findings for teacher education and teacher professional development. After that, he will present his reflection, drawing on his research and professional experience as a school teacher, a teacher educator and an educational researcher, on relevant issues about teacher education and teacher professional development. Finally, he will briefly share his vision about teacher education and teacher professional development, and discuss the challenges and hopes in realizing it as he envisages in terms of educational research and practice.

Speaker:

Prof Lianghuo Fan is Chair Professor and Dean of the Faculty of Education, University of Macau. He holds a PhD from the University of Chicago, USA, and has extensive experience in education and research in China, USA, Singapore and the UK. Prof Fan started his career as a school teacher and later a teacher educator in his hometown Zhejiang, China for about 10 years. After completing a doctoral study with a thesis on the development of teachers' professional knowledge, he taught at Nanyang Technological University, Singapore, University of Southampton, UK and East China Normal University, China for over twenty years. One of Prof Fan's key research areas lies in teacher education and teacher professional development. His seminal book in Chinese “A study on the development of teachers' pedagogical knowledge (《教師教學知識發展研究》)” was commended “for creating a new pathway for research in teacher education in the country (為國內教師教育研究開闢了新的道路)” and cited more than 1800 times according to the CNKI database, and his book in English “Investigating the pedagogy of mathematics: How do teachers develop their pedagogical knowledge” was acclaimed as “a great contribution to the mathematics teacher education scholarship” and his research findings

“have significant implications for teachers, teacher educators, school administrators and educational researchers, as well as policy-makers and school practitioners worldwide”.

Prof Fan is also interested in curriculum and textbook research, assessment, the integration of ICT (including AI) in education, and computer algebra (symbolic computation) in mathematics. More information about his research and professional background can be found at <https://fed.um.edu.mo/lianghuo-fan/>.