FED-ETARC Seminar: "Assessing Student Socioscientific Issues Learning"

Educational Testing and Assessment Research Centre, Faculty of Education

Date & Time: 02 February 2026 (Monday); 10:30-12:00

Venue: E33-Room 2036, Faculty of Education

Language: English

Registration: Online Registration (Link or)

Enquiries: Mr. Alex CHEN (Email: fed_event@um.edu.mo / Tel: 8822-4575)

Speaker:

Prof. Jing LIN is Director of the Science Education Quality Development Department of Collaborative Innovation Center of Assessment for Basic Education Quality at Beijing Normal University. She holds a Ph.D. in Science Education from BNU and has extensive experience in science curriculum reform, teacher training, and large-scale educational assessment. Her research focuses on SSI, STEM education, and scientific literacy assessment. She has led numerous national and provincial projects, including China's first nationwide science education quality assessment. Prof. Lin has published widely in international journals and serves on several academic committees and editorial boards. She is committed to bridging research, policy, and practice in science education.

Abstract:

This presentation draws on a six-year research project in Mainland China to examine how students' core competencies, including interdisciplinary skills, epistemic understanding of science, and scientific identity, can be assessed in socioscientific issues (SSI) learning contexts. SSI are real-world, interdisciplinary problems with uncertain solutions, providing a meaningful setting for students to integrate knowledge, engage in scientific practices, and reflect on the nature of science. The study employs multidimensional formative assessment to track students' interdisciplinary skills, epistemic knowledge of science, and scientific identity development. Findings show that well-designed assessment practices can make learning visible and support deeper engagement with complex issues.