

FED-CSAE Seminar: “K-12 Mathematics Education Curriculum Reform in the United States from 1950 to 2025”

Center for STEM and AI Education (CSAE), Faculty of Education

Date & Time: 7 November 2025 (Friday); 15:30-17:00

Venue: E33-2036, Faculty of Education

Language: English

Registration: Online Registration (<https://go.um.edu.mo/j6o6isrq> or )

Enquiries: Mr. Brendan LEI (Email: fed_event@um.edu.mo / Tel: 8822-4210)

Speaker:

Prof. Zalman USISKIN, Professor Emeritus, the University of Chicago. His work has focussed on the secondary school mathematics curriculum. His interests cover all aspects of mathematics education, with particular emphasis on matters related to curriculum, instruction, and testing; the selection and organization of content; the teaching and learning of mathematics; international mathematics education; teacher education in mathematics; the history of mathematics education; and educational policy. Early in his career, he became known for his curriculum development work in geometry, with real-world applications of mathematics, and in using the latest technology into the materials. Ideas gleaned from these studies were among those incorporated in the secondary school materials developed in the University of Chicago School Mathematics Project, which he directed for over three decades. He is the author of over 150 published articles and co-author or co-editor dozens of books, including a mathematics textbook for teachers. He has received lifetime achievement awards from many organizations, including NCTM and NCSM in the United States and the International Society for the Design and Development of Education. In 2014, NCTM published a book of 38 of his papers, the only time they have published a book devoted to the writings of one person.

Abstract:

The United States has no national curriculum in any subject, and education policy is left to the 50 states. Still, there have been six identifiable country-wide movements in mathematics curriculum in the 75 years since 1950. This presentation describes these movements, with the players, rationales, and main thrusts of each, by a speaker old enough to have personally witnessed them all and who played a role in two of them.