

IMACC CONFERENCE

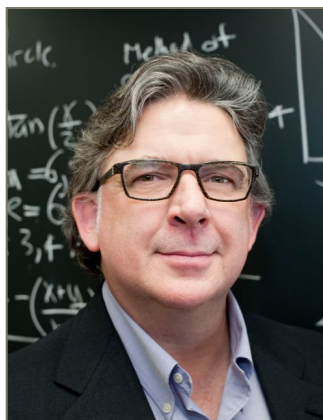
April 11-13, 2019

Allerton House, Monticello, Illinois

Keynote Speakers

“A Series of Quick Derivations of Facts from Physics and Number Theory, Significant, but Generally Not Found in the Textbooks.” – Larry Braden

Larry Braden has been a teacher at St. Paul's School in New Hampshire. Prior to joining St. Paul's he taught for at Iolani, a Honolulu Episcopal school, and the Anglo-American School in Moscow. One of his former students from the Episcopal School, Dr. Gary Takahashi, endowed a scholarship in his former teacher's name. "To reward top students each year who excel in mathematics, the Lawrence S. Braden Mathematics Prize has been established at Iolani School in his honor," said Dr. Takahashi, calling Braden a "rare and superlative teacher of advanced mathematics." Braden was the 2006 New Hampshire recipient of the Siemens Award for excellence in advanced placement teaching. According to the Siemens Web site, "Teachers are selected for their exemplary teaching and enthusiastic dedication to students and the AP Program." Ronald Reagan awarded him with the Presidential Award for Mathematics Teaching. In 1987 Pomona College gave him the Centennial Award For Teaching.



**“Do All High School Students Need to Take Algebra II?”
– William McCallum**

William G. McCallum is a University Distinguished Professor of Mathematics at the University of Arizona. In 1989 he joined the Harvard calculus consortium, and is the lead author of the consortium's multivariable calculus and college algebra texts. In 2005 he received the Director's Award for Distinguished Teaching Scholars from the National Science Foundation. In 2006 he founded the Institute for Mathematics and Education at the University of Arizona, and is currently its director. In 2009–2010 he was one of the lead writers for the Common Core State Standards in Mathematics. His professional interests include arithmetical algebraic geometry and mathematics education. McCallum is also the founder and the president of the Illustrative Mathematics Project.

“Andrew Hacker, CCSSM, and Mathematics Teaching in Community Colleges” – Hung-Hsi Wu

Hung-Hsi Wu is a differential geometer by profession. He taught at UC Berkeley from 1965 to 2009, and is a Professor of Mathematics Emeritus. In 1992, he was moved by what he witnessed in the mathematics education reform and was determined to initiate change in mathematics education. After 1998, he started to participate in the education process full-time, first as a critic and then as a member of various state and national committees, including National Assessment of Educational Process (NAEP), National Mathematics Advisory Panel (NMAP), Trends in International Mathematics and Science Study (TIMSS), and the Common Core State Standards in Mathematics (CCSSM). Wu has written extensively on mathematics education and the author of several books published by the American Mathematical Society for teachers. They are: “Understanding Numbers in Elementary School Mathematics”, “Teaching School Mathematics: Pre-Algebra”, and “Teaching School Mathematics: Algebra”.



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