



FIELDS

Incorporating Technologies in Teaching Mathematics: Conference Honoring Ada Lovelace's Birthday

Date: December 10, 2024

Location: Fields Institute, Online

Description:

This conference aims to explore the integration of innovative technologies in the teaching of mathematics. Topics include novel teaching methodologies, the impact of digital tools on student engagement, and the future of mathematics education. We invite educators, researchers, and students to join us for a day of insightful presentations and discussions. You can register/submit abstracts by following this [LINK](#).

Keynote Speaker: Prof. Dan Wolczuk

Associate Professor, Teaching Stream, University of Waterloo

Winner of the 2013 Excellence in Teaching Award from the CMS

The Future of Math Education: Technology and the Science of Learning



Abstract: Inspired by Ada Lovelace's visionary insights into the potential of emerging technologies, this presentation explores how current and future technologies can be harnessed to enhance math education.

I will showcase the transformative potential of innovations such as audience response systems, AI-driven adaptive learning platforms, and interactive virtual environments. Guided by science of learning research,

I will discuss how these technologies can enhance student learning, foster a deeper understanding of mathematical concepts, and bridge the gap between theory and application.

Organizing Committee:

Dr. Snezhana Kirusheva, UTM

Dr. Marina Tvalavadze, UTM

Dr. Jonathan Herman, UTM

if you have any questions contact
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