NUMTA 2026 Special Stream on

Frontiers in Mathematics and STEM Education: From Formal Methods to AI-Driven Computational Tools

Special Stream Organizers:

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This stream explores the evolving landscape of Mathematics and STEM education, driven by the integration of formal methods and advanced computational technologies. It focuses on bridging the gap between rigorous theoretical frameworks and their practical implementation in modern educational settings. Contributions are welcome on a broad range of topics, including AI-driven tools, symbolic computation, and the impact of emerging digital resources on teaching and learning paradigms. By bringing together diverse perspectives from mathematicians, computer scientists, and educators, the stream aims to foster dialogue on future trends and interdisciplinary challenges in scientific education. The session provides a venue for sharing fresh insights and innovative approaches that redefine how complex mathematical structures are taught and visualized in the digital era.