



Education

2B - Arctic K-12 STEM Education: Experiences, Practices, and Challenges

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Workforce development is an international priority and particularly critical in producing the next-generation scientists and engineers. It is beneficial to start workforce development at an early age to instill STEM interests and concepts in K-12 students. This will help address the increasing environmental and engineering challenges due to accelerated climate change. Our session welcomes educators, researchers, Indigenous community members, and government officials to share their experiences and insights in K-12 STEM education about and related to the Arctic. We particularly invite topics focusing on permafrost to include opportunities, challenges, and successful pedagogies in STEM education. We hope to showcase a wide range of topics, such as curriculum design, teacher training, community-based learning, informal education programs, and the integration of Indigenous Knowledge.

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