

TSI SEMINARS - FALL 2026

Perspectives from new Canadian high Arctic and Mountain Ice Cores

Dr. Alison Criscitiello

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Abstract: *In this lecture, I will share the drilling success and first results from the 2022 Mount Logan ice core (327m), and the 2025 Axel Heiberg Island ice core (613m). These two ice cores represent significant advances in Canadian-led ice core science, with surprising results emerging from both climate records.*

About the Speaker: *Dr. Alison Criscitiello is an ice core scientist and high-altitude mountaineer. She is an Assistant Professor and the Director of the Canadian Ice Core Lab at University of Alberta, and co-founder of Girls on Ice Canada. Criscitiello explores the history of climate and sea ice in polar and high-alpine regions using ice core chemistry. Criscitiello's work also focuses on environmental contaminant histories in ice cores from the Canadian high Arctic and the water towers of the Canadian Rockies. She has earned the Queen Elizabeth II's Platinum Jubilee Medal, three American Alpine Club climbing awards, the John Lauchlan and Mugs Stump alpine climbing awards, and the 2025 Summit of Excellence Award from the Banff Centre in recognition of her contributions to Arctic science and the Canadian mountain community.*



September 15,
3:30 PM



Bell Room
(Rutherford 103)



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