

Thursday, January 16, 2025

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8:30 *Registration*

9:00 Welcoming Remarks (Donie, Steve, Frank)

9:15 Land Acknowledgement & Code of Conduct

9:20 Sydonia Bret-Harte - Strategic Plan Update

9:40 Jessica Cherry - Climate Patterns and Change in the Vicinity of Toolik Lake

10:00 Memories (1-2)

10:05 Vladimir Romanovsky - Forty Years of Changes in Ground Temperature in the Greater Toolik Lake Station Area

10:25 Anna Klene et al. - 30 years of Toolik CALM: Active layer trends in the Kuparuk River Basin

10:45 *BREAK*

11:00 Matthew Sturm - It Snows Up There a Bit --Some Thoughts on Four Decades of Snow Studies on Alaska's North Slope

11:20 Steve Oberbauer et al. - Shifting Baseline Syndrome and Personal Amnesia: Perceptions of 35 years of Vegetation Change in the Toolik Lake Research Natural Area

11:40 Ned Fetcher - Plant response to temperature gradients in the tundra and the tropics.

12:00 *LUNCH*

1:30 Breakout discussions/workshops

- Ethical Principles for Open-Access Data
- Education at Toolik: Reaching the Missing Millions through K-12 Outreach
- Navigating the changing cultural landscape of Arctic research and how TFS can help

3:00 *BREAK*

3:15 Laura Gough et al. - Herbivory Research Conducted near Toolik Field Station: A Brief Review

3:35 Brian Barnes - Physiological Research on Arctic Animals: Teams Bug, Bird, and Squirrel

3:55 Memories (1-2)

4:00 Keynote - John Hobbie

4:30 Regroup & breakout summaries - include a memory or two

5:00 Adjourn

Friday, January 17, 2025

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8:30 *Registration*

9:00 Welcoming Remarks

9:05 Rose Cory - A 12-year record of change in dissolved organic matter composition in Toolik Lake

9:25 Claudia Czimczik - Permafrost carbon emissions in the polar night

9:45 Memories (1-2)

9:50 Chelsea Smith et al. - Investigating the Spatial Variability of Carbon Stabilization with Metals in Toolik Lake Sediments

10:10 Sally MacIntyre - Mixing Dynamics in Arctic Lakes in Summer and Winter

10:30 *BREAK*

10:45 Heidi Golden - Transcending Climate Change Theory to Interdisciplinary Predictive Modeling

11:05 Alex Huryn - Spring-fed stream-aufeis ecosystems – uniquely Arctic!

11:25 Memories (1-2)

11:30 Roxaneh Khorsand - Spatio-temporal patterns in floral resource availability and plant-pollinator interactions on the North Slope of Alaska

11:50 Manpreet Kohli - Evolutionary Tales of Arctic Dragonflies (VIRTUAL)

12:10 *LUNCH*

1:40 Breakout discussions/workshops

- Creating Safe & Inclusive Fieldwork Plans
- Science Support Services
- Atmospheric monitoring at TFS

3:10 *BREAK*

3:25 Posters

5:00 Poster Session Adjourns

6:30 Dinner Reception and Silent Auction

Saturday, January 18, 2025

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8:30 *Registration*

9:00 Welcoming Remarks

9:05 Keynote - Cana Itchuaqiyag - An Arctic Perspective for Innovating Arctic Research

9:40 Mariama Dryák-Vallies - An Overview of the Polar Science Early Career Community Office and Polar Early Career Needs

10:00 Ben Halpern - NCEAS and the power of synthesis for science and solutions

10:20 Mary Beth Leigh - The Wonder of Place: Art-science Integration at Toolik Field Station

10:40 BREAK

10:55 Rebecca Holmes Sandoval - Observing Rockets and Aurora with a Single-Photon Camera

11:15 Chris Baird - NEON Operations at Toolik: 2015-2024

11:35 Memories (1-2)

11:40 Amanda Young - Revisiting the evolution of science support at TFS

12:00 Terry Chapin - Connecting Arctic Science with Communities

12:20 LUNCH

1:20 Breakout discussions/workshops

- Equitable Research with Indigenous Arctic Communities
- Engaging the Public in Arctic Science through Arts

2:50 BREAK

3:00 Regroup & breakout summaries - include a memory or two

3:30 Meeting concludes