

53rd ANNUAL INTERNATIONAL ARCTIC WORKSHOP

**March 18-21, 2026
Buffalo, New York**

PROGRAM AND ABSTRACTS

Sponsored and Hosted by:

University at Buffalo
Center for Geological and Climate Hazards
The (RENEW) Research and Education in eNergy, Environment
and Water Institute
College of Arts and Sciences
Department of Geology

Organizing Committee:

Elizabeth Thomas
Kristin Poinar
Jason Briner
Karlee Prince
Gerard Otiniano
Lisa Lenker
Juana Colón
Laura Yearke

Introduction

(updates ongoing)

Overview and History

Annual International Arctic Workshop

The 53rd Annual International Arctic Workshop will be held on the Medical campus of the University of Buffalo. The meeting is sponsored and hosted by the University at Buffalo, Center for Geological and Climate, College of Arts and Sciences, Department of Earth Sciences, and the RENEW Institute. This workshop has grown out of a series of informal annual meetings started by John T. Andrews and sponsored by INSTAAR and other academic institutions worldwide.

Northeast Glaciology Meeting

[The International Glaciological Society \(IGS\)](#) Northeast Glaciology Meeting fosters collaboration and discussion among scientists at all career stages. This informal, student-friendly event encourages participants to share posters and talks in a relaxed, interactive setting. The IGS was founded in 1936 to provide a focus for individuals interested in practical and scientific aspects of snow and ice.

General Information

Event Website

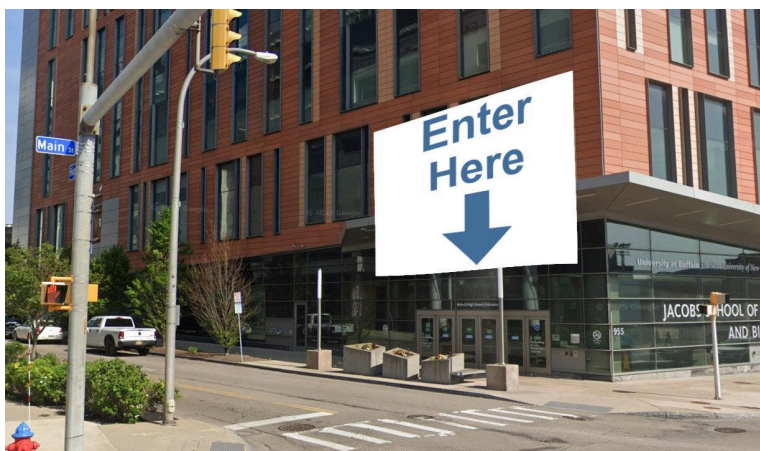
[The Arctic Workshop & The Northeast Glaciology Meeting](#)

Location

UB Jacobs School of Medicine and Biomedical Sciences

The conference venue is the Jacobs Medical School building at [955 Main St, Buffalo, NY 14203](#) ([Google map](#)).

Use the [Main & High Streets Entrance](#)



The building is staffed by 24 hour security. Use the buzzer to the right of the door or inside the vestibule and say you are here for the Arctic Workshop. Keep your conference name tag for subsequent entry.

Check-In / Registration

Check in is open:

Wednesday, March 18, at the Icebreaker/Reception between 5:00 – 7:00 pm

Thursday and Friday, March 19-20, beginning at 8:00 am.

Registration to the event may also be available at these times - depending on the final number of current registrations.

Parking

The recommended parking solution is the [Ellicott-Goodrich parking garage at 860 Ellicott Street](#), two blocks away. Cost is approximately \$10-15 per day. Alternatively, street parking downtown is available but not ample.

Wi-Fi

Wi-Fi available via [UB eduroam](#). If you do not have an eduroam account, you can [sign up for guest access](#) with an email and password.

File Uploads

A [public Box file](#) has been created for presentation files (e.g., powerpoint files). [Upload your files here](#).

Once uploaded you will not be able to edit or delete your files. If you have any issues, please contact Juana Colon at juanacol@buffalo.edu.

Talks

Talk slots are 15 minutes in length. Please target 12 minutes for speaking and leave 3 minutes for questions.

Posters

At registration you will receive information on where to set up your poster. Please put it up as early as possible on the day that you are presenting, and leave it up as late as possible. There will be two poster sessions; one on each day of the workshop.

Title: Before Modern Weather Stations: The Moravian Brethren's 18th-Century Climate Records from Labrador/Nunatsiavut and Southwestern Greenland

Authors: Przemysław Wszyński^{1,2}; Rajmund Przybylak^{1,2}; Andrzej Arażny^{1,2}; Garima Singh¹; Konrad Chmista¹

Affiliations: ¹ Nicolaus Copernicus University, Faculty of Earth Sciences and Spatial Management, Toruń, Poland; ² Nicolaus Copernicus University, Centre for Climate Change Research, Toruń, Poland

Abstract:

Within the framework of the project “Reconstructions of Climatic and Bioclimatic Conditions in Greenland and Labrador/Nunatsiavut ca. 1770–1939 from Moravian Missionary Observations (MORCLIM),” extensive archival investigations were carried out in several Moravian repositories throughout Europe and North America. These included the Moravian Church House in London, the Unity Archives – Moravian Archives Herrnhut in Germany, and the Moravian Archives in Bethlehem, USA. Additional archives and library collections likely to preserve early instrumental weather measurements from stations in southwestern Greenland and Labrador were also examined.

During this exploratory stage, thousands of digital images were taken of handwritten documents containing original instrumental observations and descriptive weather records. Published summaries of meteorological data from 18th- and 19th-century scientific literature were also identified. A substantial portion of these materials, including records of air temperature, atmospheric pressure, and wind characteristics, has already been digitized, quality-checked, and released through the open-access repository of the Centre for Climate Change Research.

The earliest identified series for southwestern Greenland and Labrador originate in the 18th century. In many locations, systematic observations continued after the Moravian missions ended, maintained during the 19th and 20th centuries by the national meteorological services of Denmark, Germany, and Canada. This paper provides a comprehensive catalogue of all archival sources collected so far that contain early instrumental meteorological measurements for coastal Labrador and southwestern Greenland from the 18th to the early 20th century. It evaluates their chronological extent, interruptions in recording, measured variables and temporal resolution, and key metadata including observation techniques, instruments, personnel, and related contextual details.

This work was supported by the National Science Centre, Poland, project no. 2020/39/B/ST10/00653.