Conference Agenda

FRIDAY, MARCH 10, 2023

Foyer

2:00 PM – 8:00 PM  Registration and Check-In

Diamond Ballroom

6:00 PM – 8:00 PM  Professional Headshots

6:30 PM – 7:30 PM  NWS Burlington Office Tour
  Registration required
  See NWS Burlington Office Tour Invitation for additional details

Emerald III Ballroom

8:00 PM – 8:15 PM  Opening Remarks

8:15 PM – 9:15 PM  Friday Night Ice Breaker
  Keynote Speaker: Meaghan Thomas

9:15 PM – 10:30 PM  Friday Night Social
  Refreshments and ice cream will be served
SATURDAY, MARCH 11, 2023

Diamond Ballroom

8:00 AM – 9:00 AM
Breakfast

Emerald III Ballroom

9:00 AM – 9:05 AM
Opening Remarks

Emerald III

Society & Communication

9:15 AM – 9:30 AM
NWS Decision Support Services to New York State for the 2023 FISU Winter World University Games across Upstate New York
Scott Whittier • NOAA/NWS/Weather Forecasting Office, Burlington, VT

9:45 AM – 10:00 AM
Forecast and Impact-Based Decision Support Services During the January 28-29, 2022 Blizzard in Southern New England
Rodney Chai • NOAA/NWS/Weather Forecasting Office, Burlington, VT
Hayden Frank • NOAA/NWS/Weather Forecasting Office, Norton, MA

Emerald I/II

Data Assimilation & Modeling

9:15 AM – 9:30 AM
Using the Pythonic Direct Data Assimilation (PyDDA) Framework for Dual-Doppler Wind Retrievals of Idealized Downburst Outflows
Katherine Simzer • McGill University

9:30 AM – 9:45 AM
NWP Modeling Framework for Decision Support at Smart Military Installations
Brendon Hoch • The United States Army Engineer Research and Development Center

9:45 AM – 10:00 AM
Evaluating HRRR Model Forecasts of Impactful Severe Weather Events in Upstate New York
Rachel A. Eldridge • SUNY Albany

10:00 AM – 10:15 AM
A local verification study of convection-allowing model performance during convective events in eastern New York and western New England
Michael Evans • NOAA/NWS/Weather Forecasting Office, Albany, VT

Emerald I/II

Society & Communication

9:15 AM – 9:30 AM
Techniques for Communicating Meteorological Information to Emergency Services – The UAlbany COE and NYS DHSES Partnership
Evan Belkin • SUNY Albany

9:30 AM – 9:45 AM
Using the Pythonic Direct Data Assimilation (PyDDA) Framework for Dual-Doppler Wind Retrievals of Idealized Downburst Outflows
Katherine Simzer • McGill University

Evaluating HRRR Model Forecasts of Impactful Severe Weather Events in Upstate New York
Rachel A. Eldridge • SUNY Albany

10:00 AM – 10:15 AM
A local verification study of convection-allowing model performance during convective events in eastern New York and western New England
Michael Evans • NOAA/NWS/Weather Forecasting Office, Albany, VT
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>10:15 AM – 10:30 AM</td>
<td>Variability of Per- and Polyfluoroalkyl substances and Allostatic Load in adults by sociodemographic and occupational factors</td>
<td>Tahir Bashir • NCAT State University</td>
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<td>Assimilation of radars for solid precipitation on the Canadian Precipitation Analysis system (CaPA) and assessment of their impact</td>
<td>Florence Beaudry • Université du Québec à Montréal</td>
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<td>10:00 AM – 10:30 AM</td>
<td>Mental Health &amp; Depression</td>
<td>Patricia Shine</td>
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<td>10:30 AM – 10:45 AM</td>
<td>Break</td>
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<td>10:45 AM – 11:00 AM</td>
<td>Seasonal, Interannual, and Decadal Variability and Long-Term Trend of Ice Cover in Two Regions of Lake Superior, 1973-2022</td>
<td>Shaun Laurinaitis • SUNY Oswego</td>
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<td>11:00 AM – 11:15 AM</td>
<td>Analysis of precipitation amount and phase simulated by a high-resolution climate model</td>
<td>Olivier Chalifour • Université du Québec à Montréal</td>
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<td>11:15 AM – 11:30 AM</td>
<td>Mirror Exploration, Experimentation, and Reflection in Climate Adaptation Planning (MEERCAP): Reports from a Field Project</td>
<td>Eric Hoffman • Plymouth State University</td>
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<td>11:30 AM – 11:45 AM</td>
<td>New York and New England Significant Hail Climatology</td>
<td>Thomas A. Wasula • NOAA/NWS/Weather Forecasting Office, Albany, VT</td>
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<tr>
<td>10:45 AM – 11:00 AM</td>
<td>Weather Conditions and Seasonal Variability of Limited Visibility at Greenland Coastal Locations</td>
<td>Neil F. Laird • Hobart and William Smith Colleges</td>
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<td>11:00 AM – 11:15 AM</td>
<td>The Relationship Between Greenland Atmospheric Rivers and Transitions in the Phase of the North Atlantic Oscillation</td>
<td>Alexandra Dwyer • Hobart and William Smith Colleges</td>
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<td>11:15 AM – 11:30 AM</td>
<td>Understanding the Interaction between Short-Wave Troughs and Lake-Effect Snow Events off Lake Ontario</td>
<td>Nicholas D. Metz • Hobart and William Smith Colleges</td>
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<tr>
<td>11:30 AM – 11:45 AM</td>
<td>Atmospheric Conditions Associated with Cold-Season Lake-Effect Systems Over the Western, Eastern, and Entire Great Lakes Region</td>
<td>Caitlin Crossett • Hobart and William Smith Colleges</td>
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**Amphitheater**

10:45 AM - 11:15 AM  
Demo Reel Critique  
**Alex Wasilenko**  
**Cecy Del Carmen Canales**

11:15 AM - 11:45 AM  
Budgeting After College  
**11:15 AM: Dr. James Noyes**  
**11:30 AM: Reid Kisselback**

**Exhibition Hall**

11:45 AM - 12:45 PM  
Poster Session

12:45 PM - 2:15 PM  
Break for Lunch

1:15 PM - 2:15 PM  
NWS Burlington Office Tour  
**Registration required**  
*See NWS Burlington Office Tour Invitation for additional details*

**Diamond Ballroom**

2:15 PM - 3:00 PM  
Graduate School Discussion

3:15 PM - 3:45 PM  
Resume Workshop

**Emerald III**

Lightning & Field Work  
*2:15 PM – 2:30 PM*  
The Good, the Bad, and the Not-so-cute of the 2022-23 Lake-Effect Electrification Field Campaign  
**Scott Steiger** • SUNY Oswego

**Emerald I/II**

Severe & Tropical  
*2:15 PM – 2:30 PM*  
Tropical Cyclone Initiation  
**Joseph Riggle** • UMass Lowell
2:30 PM – 2:45 PM
Experiences from NSF Project LEE (Lake-Effect Electrification) as Student Forecasters, Communicators, and Scientists
Kaitlyn Jesmonth • SUNY Oswego
Shaun Laurinaitis • SUNY Oswego

2:45 PM – 3:00 PM
Geostationary Lightning Mapper (GLM) Trends Prior to Tornadoes that Spawn from Landfalling Tropical Cyclones
Gabrielle R. H. Brown • Northern Vermont University - Lyndon

3:00 PM – 3:15 PM
A Study of the Highly Electrified IOP3 (Intensive Observation Period 3) on 20 Nov 2022 during the NSF Lake-Effect Electrification (LEE) Project
Erik Knudsen • SUNY Oswego
Ezekiel Caden • SUNY Oswego
Sarah Gryskewicz • SUNY Oswego

3:15 PM – 3:30 PM
The NYS Mesonet: A Field Technician’s Perspective
Sam Cherubin • NYS Mesonet

3:30 PM – 3:45 PM
Prolific Electrification near Wind Turbines Associated with a Lake-Enhanced Snow Squall during the 3 February 2023 NSF Project LEE (Lake-Effect Electrification) IOP (Intensive Observation Period) 11
Kaitlyn Jesmonth • SUNY Oswego

3:45 PM – 4:00 PM
Break

Emerald III Ballroom

4:00 PM – 5:00 PM
Networking Tables

5:00 PM – 6:00 PM
Career Panel
Diamond Ballroom

6:00 PM – 7:00 PM Lyndon Alumni Reception

6:00 PM – 7:00 PM NWS Burlington Office Tour
  Registration required
  See NWS Burlington Office Tour Invitation for additional details

Emerald III Ballroom

7:00 PM – 8:00 PM Banquet Dinner

8:00 PM – 9:00 PM Conference Remarks
  **Keynote Speaker: Dr. Karen Kosiba**
SUNDAY, MARCH 12, 2023

Foyer
8:00 AM – 8:30 AM Weather Balloon Launch

Diamond Ballroom
8:00 AM – 9:00 AM Breakfast

Emerald III Ballroom
9:00 AM – 9:05 AM Opening Remarks
9:15 AM – 10:15 AM Keynote Speaker: Dr. Matthew Lazzara
10:15 AM – 10:30 AM Break

Exhibition Hall
10:30 AM – 11:30 AM Career Fair

Amphitheater
11:30 AM – 12:00 PM Diversity, Equity, and Inclusion Patricia Shine

Emerald III

Emerald I/II
Maritime & Hydrology 11:30 AM – 11:45 AM Weather at Sea: The Unique Challenges and Opportunities of Maritime Meteorology Jenna Hans • Weather Routing, Inc.
11:45 AM – 12:00 PM
The December 23-25 2022 Multi-Hazard Storm Across VT and Northern NY
Rodney Chai • NOAA/NWS/Weather Forecasting Office, Burlington, VT
Robert Haynes • NOAA/NWS/Weather Forecasting Office, Burlington, VT

12:00 PM – 12:15 PM
Investigation of the factors controlling wind channeling along the Saint Lawrence River Valley
Dustin Fraser • McGill University

12:00 PM – 12:15 PM
Winter Extreme Precipitation Regimes (EPRs) in eastern North America: Teleconnections and Case Study
Yeechian Low • McGill University

12:15 PM – 12:30 PM
An Analysis of the Maximum Rainfall and Timing Product Forecast Activity during the Flash Flooding and Intense Rainfall Experiment 2022
Alyssa Griffin • Plymouth State University

Emerald III Ballroom

12:15 PM – 12:30 PM
Closing Remarks

12:30 PM – 1:30 PM
NWS Burlington Office Tour
Registration required
See NWS Burlington Office Tour Invitation for additional details