

AGENDA



Utqiagvik Conference

Friday, July 28

WELCOME DINNER & CULTURAL ORIENTATION FOR OUT-OF-TOWN PARTICIPANTS

- 4:45 PM Arrive in Utqiagvik, transport to Nanuqs Den on UIC Science campus
- 6:30 PM Shuttle to Barrow Arctic Research Center (BARC)
- 7:00 PM Group dinner for out-of-town participants, BARC
- 7:30 PM UIC Science welcome and video introduction to Iñupiat culture (Martin Edwardsen)
- 8:00 PM Introductions (*name, affiliation, interest area, one memorable fact about yourself*)
- 8:45 PM Symposium welcome and housekeeping notes (Jana Peirce)
- 9:00 PM End of evening

Saturday, July 29

START OF CONFERENCE

- 6:00-8:00 AM Breakfast on your own (*The Nanuqs Den kitchen will be fully stocked with foods to make your own breakfast. Per diem is available for out-of-town guests staying at local hotels.*)
- 8:00-8:30 AM Shuttles to the Barrow Arctic Research Center (BARC)
- 8:30 AM Coffee and tea, fruit, muffins, and Danish served at the BARC
- 9:00 AM Invocation
- 9:10 AM Welcome from the co-chairs, goals of the Symposium
- 9:30 AM North Slope panel: Defining the challenge (Moderator, Billy Connor)
Observations of current and historical permafrost and coastal conditions, impacts on infrastructure, and success of past/current efforts at adaptation and mitigation.
 - Permafrost foundations (Griffin Hagle-Forster)
 - Utility infrastructure (Yves Brower)
 - Coastal erosion and sea walls (Scott Evans)
- 10:40 AM Break

- 10:55 AM Culture notes: Iñupiaq language (Martin Edwardsen)
- 11:00 AM North Slope panel (continued)
- Freezeback landfill challenges with increasing temperature models (Travis Holmes)
 - Ice cellars, salt water intrusion, food and water security (Lars Nelson)
- 11:40 AM Q&A
- 12:00 PM Lunch (Mexican theme, catered by Nigggivikput restaurant)
- 1:15 PM Village infrastructure panel with Point Lay and Wainwright participants (Moderator, Griffin Hagle-Forster)
- 2:15 PM Insights from science and engineering (Moderator, Vladimir Romanovsky)
Key takeaways on the current state of knowledge and on existing and emerging technologies and strategies for addressing permafrost and coastal challenges.
- Impact of climate on permafrost degradation in the Alaskan Arctic (Vladimir Romanovsky)
 - Case study: Point Lay, Alaska (Billy Connor)
- 3:10 PM Break
- 3:25 PM Culture notes: Iñupiaq language (Martin Edwardsen)
- 3:30 PM Science and engineering panel (continued)
- Pile foundations in permafrost (John Thornley)
 - Utility infrastructure (Travis Holmes)
 - Coastal erosion and shoreline protection (Li Erikson)
 - Permafrost and infrastructure in Greenland (Thomas Ingeman-Nielsen)
- 5:00 PM Wrap up and housekeeping notes (Billy Connor, Jana Peirce)
- 5:30 PM Adjourn
- 6:40 PM Shuttle to Eben Hopson Middle School
- 7:00 PM Evening reception with local guests, Eben Hopson Middle School (Ben Jones, MC)
- NSB welcome (Chastity Olemaun)
 - Buffet dinner (catered by Nigggivikput restaurant)
 - Introduction of participants and guests
 - Embodied knowledge: A window into Iñupiaq culture and environmental worldview through traditional dance
- 9:30 PM End of evening

Sunday, July 30

- 6:00-7:30/8:30 Breakfast on your own. *(The Nanuqs Den kitchen will be fully stocked with foods to make your own breakfast. Per diem is available for out-of-town guests staying at local hotels.)*
- 7:30 AM Shuttle to Wright Air for village tour participants (see Field Trip list)
- Wainwright village tour, community lunch and listening session (weather dependent). Wright Air fixed-wing charter: Check in at 8:00 AM for 9:00 AM departure. Pick up at 3:30–4:30 PM for 40-minute return flight.
- Point Lay village tour, community lunch and listening session (weather dependent). Wright Air fixed-wing charter: Check in at 8:00 AM for 9:00 AM departure. Pick up at 3:00–4:00 PM for 1-hour return flight.
- 8:30 AM Shuttle to BARC for Utqiagvik tour, 9:00 AM-3:30 PM
- Van tour of permafrost landscape evolution and coastal features including adaptive foundations, coastal erosion mitigation, thaw subsidence, and hydrology issues, and tours of BUECI utilidor and NOAA climate observatory.*
- 4:30-7:00 PM All groups: Dinner on your own *(Per diem available for out-of-town participants.)*
- 7:00 PM From Research to Action panels: Community adaptation planning and implementation (Moderator, Howard Epstein)
- Permafrost and the community: A systems approach for climate resiliency (Kevin Bjella)
 - Facing the challenge of permafrost thaw in Nunavik communities: permafrost and hazard maps in support of land use planning. Local and regional policy outcomes (Michel Allard)
 - Design of the built environment in the Arctic: Insight from the BNE-USA project using high-density environmental sensor data (Leena Cho & Mathew Jull)
 - Sustainable buildings and infrastructure research in the changing north (Aaron Cooke & Robbin Garber-Slaght)
 - BIA Tribal Climate Resilience Program (Jennifer Robinette)
 - Tools for climate adaptation planning (Jessica Garron)
- 9:00 PM End of evening

Monday, July 31

- 6:00-8:00 AM Breakfast on your own (*The Nanuqs Den kitchen will be fully stocked with foods to make your own breakfast. Ilisagvik College cafeteria serves breakfast starting at 7:30 am, Mon-Fri. Per diem available for out-of-town participants.*)
- 8:00-8:30 AM Shuttles to the BARC
- 8:30 AM Coffee and tea, fruit, muffins, and Danish served at the BARC
- 9:00 AM Invocation
- 9:10 AM Tools for change: Remote sensing, monitoring and modeling (Moderator, Jessica Garron)
- Design alternatives for permafrost and causes of failure (Yuri Shur)
 - Examining Interactions between the Built and Natural Environments (BNE) in an Arctic Community: an Utqiagvik Sensor Array (USA) (Howard Epstein)
 - Monitoring ice wedge degradation and stabilization (Mikhail Kanevskiy)
- 10:30 AM Break
- 10:45 AM Culture notes: Iñupiaq language (Martin Edwardsen)
- 10:50 AM Tools for change panel (continued)
- Impacts and reverberations of expanding global maritime trade routes for the Arctic (Elise Miller-Hooks)
 - Coastal hazards risk assessment on the North Slope (Autumn Poisson)
- 11:30 AM Group discussion: Refining the questions (Co-chairs)
- 12:00 PM Lunch (Italian theme, catered by Niġġivikput restaurant)
- 1:00 PM Breakout groups: Workshopping the questions (Jana Peirce)
- 3:15 PM Break
- 3:30 PM Reporting out
- 4:15 PM Group discussion: Roadmap and recommendations (Co-chairs)
- 5:00 PM Break
- 6:00 PM Dinner at the BARC (catered by Niġġivikput restaurant)
- 7:00 PM Contest: Iñupiaq language pronunciation
- Evening Prepare for Borough Assembly presentation

Tuesday, August 1

- 6:00-8:00 AM Breakfast on your own (*The Nanuqs Den kitchen will be fully stocked with foods to make your own breakfast. Ilisagvik College cafeteria serves breakfast starting at 7:30 am, Mon-Fri. Per diem available for out-of-town participants.*)
- Check out of Nanuqs Den
- 8:00-8:30 AM Shuttles to the NSB Borough Building
- 9:00 AM-12:00 Borough Assembly workshop, lessons learned from the Permafrost & Infrastructure Symposium (broadcast on KBRW radio)
- Coffee, fruit, muffins, and Danish available in the Assembly chambers
- 9:30 AM Shuttle to Wright Air for 11:30 am departure to Deadhorse for the Dalton Highway Excursion (Group 1). Check in 90 minutes before scheduled flight.
- 11:30-4:30 PM Early luggage drop off and check in for Alaska Air Flight 50 departing to Anchorage at 5:30 pm.
- Lunch on your own. (*Per diem available.*)
- 2:30 PM Shuttle to Wright Air for 4:00 pm departure to Deadhorse for the Dalton Highway Excursion (Group 2). Check in 1 hour before Wright Air fixed wing charter.
- Free afternoon in Utqiagvik for participants departing on Alaska Air.
- 5:30 PM Alaska Air Flight 50 departure to Anchorage (check in by 4:30 pm).
- End of Utqiagvik Conference