



# WESTERN SNOW CONFERENCE

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## **Preliminary Agenda**

*January 13, 2025*

92nd Annual Western Snow Conference  
May 19 - 22, 2025

***"From Research into Practice"***  
Emerson Center for the Arts and Culture  
Bozeman, Montana

<http://westernsnowconference.org>  
[westernsnowconference@gmail.com](mailto:westernsnowconference@gmail.com)

### **Monday, May 19**

9:00 – 3:00 Short Course: (includes lunch)

Please join us for a special needs assessment meeting and presentation by members of NASA's Western Water Applications Office (WWAO).

1:00 – 5:00 Vendors Setup, Poster Paper Setup

3:00 – 5:00 WSC Executive Committee Meeting

5:30 – 7:00 Registration and Hospitality

Please join us for a special hospitality event in the Emerson Ballroom. Refreshments will be served and we will be treated to a special presentation of aerial arts and contemporary dance by the Mountain Air Dance Troupe.

### **Tuesday, May 20**

7:00 – 8:00 Author's Breakfast - Emerson Center

7:00 – 8:30 Conference Registration, Vendor Setup, Poster Setup

## **CONFERENCE OPENING SESSION**

8:30 – 8:40            Opening Remarks and Welcome: Jolyne Lea, WSC General Chair  
& Lucas Zukiewicz, Conference Chair

8:40 - 11:30            **ORAL SESSION I**

11:30 – 1:00            **Lunch (on your own)**

1:00 - 2:20            **ORALSESSION II**

2:20 – 2:50            **Break**

2:50 – 3:10            **Vendor Introductions**

3:10 – 3:30            **Lightning Talks (Poster Introductions)**

3:30 – 5:30            **Posters and Vendor Displays**

7:30 - 9:00            **Performance: "A No-Winters Night"**

Please join us for a short play called "*No Winter's Tale*". This modern-language adaptation of Shakespeare's "The Winter's Tale" takes place at a ski resort in the Rocky Mountain West. It reimagines Shakespeare's tale of jealousy and loss against the backdrop of a changing climate, as a snow scientist and a resort owner struggle to find common ground.

## **Wednesday, May 21**

9:00 - 11:15            **ORALSESSION III**

10:00 - 3:00            **Guest Tour**

11:15 – 1:00            **Lunch (on your own)**

1:00 – 4:00            **ORALSESSION IV**

4:00 – 4:30            **Western Snow Conference Annual Business Meeting**  
(All Attendees)

## **CONFERENCE BANQUET & AWARDS**

6:00 – 7:00	Hospitality
7:00 – 9:00	Banquet and Awards

### **Thursday, May 22**

#### **9:00 – 1:00      Technical Tour**

Please join us for an informative tour of Montana State University's Subzero Lab - A world-class suite of lab facilities for research on cold regions and cold materials.

The half-day Technical Tour will take place on Montana State University's campus. It will be comprised of three separate components that highlight new technologies in snow science and how these technologies can help bring new snowy insights for researchers and practitioners.

Component A: A guided walkthrough of the state-of-the-science laboratories of Montana State's Sub Zero Research Lab. This includes temperature-controlled chambers, specialized equipment for snow mechanics, and field-deployable instrumentation.

Component B: Field demonstrations of new sensors that are deployed on Uncrewed Aerial Vehicles (UAVs or drones) and the novel, high-resolution measurements of snow that they can provide. This includes LiDAR, Hyperspectral, and Gamma-Ray sensors. There will also be an introduction to field deployed Cosmic- and Gamma-Ray sensors, and the measurements they produce. However, the sensors will still be in the field! There may even be an opportunity for participants to fly a smaller, non-instrumented drone.

Component C: A round table discussion and lunch on integrating these technologies from the more research-oriented research into practice! Lunch is included in the registration.