

## **2023 Western Snow Conference Short Course**

Monday, April 17, 2023 9:00 - 1:00

### **"Practical Applications and Integration of Airborne Snow Observatory data into Hydrologic Models and Runoff Forecasting"**

*The short course will provide participants with the latest advances in Airborne Snow Observatory (ASO) data and modeling methods and products. We will discuss ASO Inc.'s work to improve snow albedo modeling and verification. We will hear about practical applications and the integration of ASO data into hydrologic models and runoff forecasting. We will wrap up by highlighting the advancement of the science behind ASO and plans for expanding ASO across the Western United States and the mountains of the globe.*

#### Rough Course Outline

1. Brief overview of current ASO technology, data flow, data products, and internal models.
2. Implementation of ASO data and models in operational physical and empirical models
3. Detailed examples of stakeholders using ASO data
4. Assimilation of new spaceborne snow albedo data and cutting-edge albedo models
5. Directions forward in technology, physical modeling, and beyond