



DEPARTMENT OF GEOGRAPHY & ENVIRONMENT IS HOSTING

## DR. LAURA CHASMER

### Remote sensing of changing forests and implications for wildland fire in Canada

Wildfire has devastated western Canada over the last 20-30 years, with areas burned expected to double in the next 20 years with changing climate. Understanding the environmental drivers of changing intensity, severity and size of wildland fires and the effects on forest ecosystems is critical to effective management. This presentation will compare the impacts of fire for two socially significant fires at Jasper National Park, AB, and the Scotty Creek Research Basin, NWT. The integration of remotely sensed data, innovative methods, and calibration/validation using field data will be discussed.

**MARCH**  
**3**  
Monday

TIME & LOCATION  
**2:30-3:30pm**  
**SSC 4147**

Zoom Meeting ID:  
[956 5898 3087](https://us02zoom.us/j/95658983087)

No password, but there is a waiting room, and you must be logged into a Western zoom account.

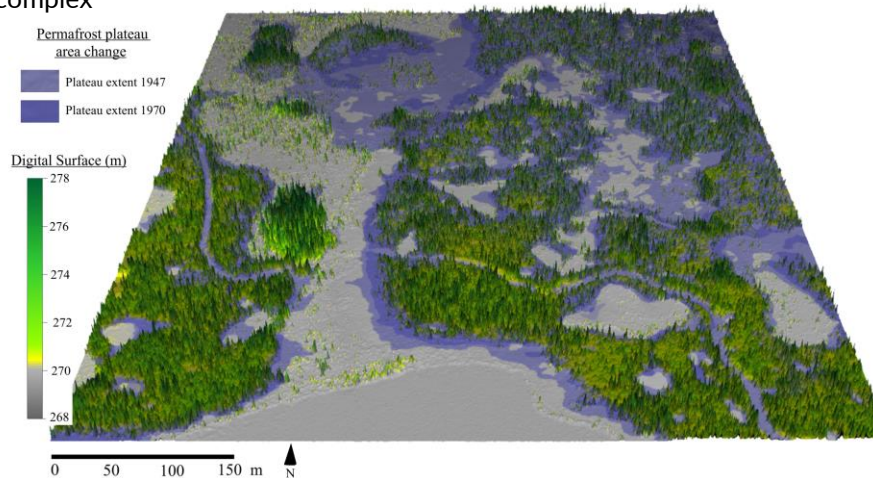
\* This research talk will be recorded via Zoom



Jasper - prior to fire complex



Jasper - following fire complex



3D scene of historical permafrost thaw into peatlands with current permafrost plateaus and trees using airborne lidar from Scotty Creek.