

## Fall 2022 Environmental Sciences Seminar Series

Wednesday, November 9 2:30-3:30pm James Hall, G46

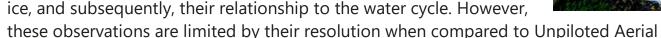
Using Unpiloted Aerial Vehicles to Study Small-Scale Temperature and Thaw Processes at the Field Scale



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Satellite observations provide a critical global-scale perspective on snow and



Vehicles, commonly referred to as 'drones'. These platforms provide an on-demand method of collecting surface information at the sub-field scale making them capable of capturing new perspectives on hydrologically and agriculturally relevant melt/freeze processes. In this work, thermal and visible imagery collected at mountain sites in Colorado are used to explore fine scale features driving snowmelt and soil thaw.



Hosted by Dr. Jennifer Jacobs, Civil & Environmental Engineering; Earth Systems Research Center, EOS. Series sponsored by the Natural Resources and Earth Systems Science (NRESS) Ph.D. Program, in partnership with the Earth Systems Research Center, and the Natural Resources and the Environment and Earth Sciences Departments.