



## Seminar



### Observing glaciers in a warming world

Glaciers play fundamental roles in oceans, landscapes, hydrological cycles, and ecosystems but are exceptionally sensitive to changes in climate. While sought after, plausible forecasts of glacier states are currently unattainable due to an emphasis

to acquire and exploit spatially and temporally variations, collected from aircraft and satellites, to understand the chemical response of glaciers to environmental perturbations provide synoptic-scale views of glacier dynamics. We use these observations to constrain ice-flow models in order to better understand the observable mechanical properties.

**Tuesday, May 3, 2016**  
**12:00 – 1:00 pm**

**Brent Minchew** is a National Science Foundation Postdoctoral Fellow at the British Antarctic Survey in Cambridge, UK. His research interests focus on remotely sensed observations of glaciers, with an emphasis on applications of synthetic aperture radar to measuring spatiotemporal variations in glacier flow in response to environmental changes. Brent is particularly interested in making unique observations targeted at specific physical phenomena and coupling those observations with physical models of glacier flow to better understand the mechanics of glaciers at the ice-bed and ice-ocean interfaces. He received a B.S. and M.S. in Aerospace Engineering from the University of Texas at Austin in 2008 and 2010, respectively, and a PhD in Geophysics from the California Institute of Technology in 2015.