

# Think Spatial

The UCSB brown-bag forum on spatial thinking

## *Presents*

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## Hydrologic Dynamics of the Greenland Ice Sheet

Tuesday, January 30, 2018

12:00 p.m.

3512 Phelps Hall



### **ABSTRACT:**

The current need for forecasting Greenland Ice Sheet contributions to global sea level rise is complicated by the lack of understanding of ice sheet hydrology. The proportion of meltwater contributing to sea level rise, as well as the pathways transporting meltwater from snow to sea are not well understood. This presentation examines components of the Greenland hydrologic system using geospatial technologies and field measurements to understand the spatial and temporal dynamics of meltwater runoff. I will highlight recent work on supraglacial rivers and moulins that explores how well current models represent when, where, and how much water leaves the ice sheet.

### **BIO:**

**Vena W. Chu** is an Assistant Professor in the Department of Geography at UCSB. She received the Ph.D. degree in Geography from UCLA, where she also earned her M.A. (Geography) and B.A. (Geography and Economics). She was also a University of California President's Postdoctoral Fellow at the UC Berkeley Department of Geography.