

From: Brian Buma
Subject: Masters position in Alaska at the interface of forest carbon and natural disasters: Buma lab, fall 2018

I will be at ESA 2017 if you would like to meet and discuss this opportunity.

A Masters position is available starting Fall 2018, with Dr. Brian Buma at the University of Alaska Fairbanks and Southeast. This exciting opportunity will take the student throughout Alaska, focusing on one of the most pristine forest ecosystems in the world, the coastal temperate rainforests. The MS position, funded for two years, will focus on the role that landslides and windstorms have in shaping the distribution of carbon via extensive fieldwork and coordination with modeling scientists at Portland State University. This research project is significant not only from an ecosystem/carbon perspective, but also because landslides are a significant threat to life and property in many parts of the world, including locally, and skills learned here will transfer not only to research and academic positions but also NGO's, governmental and natural disaster organizations, and others.

Fieldwork will primarily be located in Sitka, Alaska, through the Sitka Sound Science center. Sitka, one of the oldest (non-Native) towns in Alaska, is a beautiful town on the Pacific coast, known for its old-growth forests, brown bears, and beautiful views.

The position will entail:

- Extensive fieldwork in coastal Alaska, focusing on carbon dynamics and distributions
- Soil depth and type measurements
- Coordination with modeling researchers
- GIS/remote sensing

Applicants should have a Bachelors degree in biology, environmental science, chemistry, or other quantitative field. Ideally, applicants will also have field experience, OK traveling by boat and float plane, and be comfortable in remote locations for up to two weeks at a time. The applicant should also be independent, self-motivated, and excited to take on a challenging project that will help shape our understanding of forest disturbance and change processes. The position will begin in Fall, 2018, through the School of Natural Resources and Extension at UAF.

The academic year will be partially based in Fairbanks, Alaska (first year) and then Juneau, Alaska (second year). Both towns offer a unique, Alaskan experience. Fairbanks is known for its research university, boreal forest setting, and cold, clear winters; Juneau for its coastal temperate rainforests, ecotourism, salmon, glaciers, and bears.

Please contact Dr. Brian Buma (bbuma@alaska.edu) for more information. Include your CV and letter of introduction, and please check out the lab website (www.brianbuma.com) for more information on other projects going on in the lab.

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