PhD Opportunities in Forest Carbon Cycling, Remote Sensing and Ecosystem Modeling

**Description:** The University of New Hampshire’s Terrestrial Ecosystems Analysis Lab (aka Ollinger Lab) has 2 PhD assistantships for students to conduct research on carbon cycling, canopy processes and biogeochemistry in northeastern U.S. forests. The lab conducts research on landscape to regional patterns of forest productivity, carbon cycling and climate feedbacks, as well as underlying mechanisms related to nitrogen availability, canopy diversity, land use, forest management, and climate change. Student research will explore one or more of these topics using a combination of remote sensing, ecosystem modeling, and analysis of data sets from eddy covariance towers or regionally distributed sensor systems.

**Qualifications:** Applicants should have an M.S. degree or equivalent in ecosystem ecology, Earth or environmental science, biology, forestry, or closely related field. Strong quantitative skills are required, as are strong written and verbal communication skills. The ideal candidates will have one or more of the following skills: solid understanding of carbon or nitrogen cycling, ecophysiology, plant ecology, soil science, or forest biometrics, and experience with remote sensing, modeling/code writing, field data collection or analysis of large data sets.

**Location:** UNH is located in the Seacoast region of New Hampshire, near the city of Portsmouth, approximately an hour from Boston or Portland, Maine and within easy proximity of lakes, mountains, and the ocean. Information about the Terrestrial Ecosystems Analysis Lab and the Earth, Systems Research Center can be found here: [https://eos.unh.edu/earth-systems-research-center](https://eos.unh.edu/earth-systems-research-center). Information about the Natural Resources and Earth Systems Science PhD program is available here: [https://gradschool.unh.edu/natural-resources-earth-systems-science-phd](https://gradschool.unh.edu/natural-resources-earth-systems-science-phd)

**Start Date:** Position available starting Fall Semester 2020.

**To Apply:** Please send a cover letter stating your research interests, curriculum vitae, copies of academic transcripts, and contact information for three references by email to Dr. Scott Ollinger (scott.ollinger@unh.edu) using the subject heading: Terrestrial ecosystems PhD position. Please attach application materials as word documents or PDFs with the candidate’s name included in the file names. Review of applications will begin immediately and will continue until the positions are filled.