

OREGON STATE UNIVERSITY



DEPARTMENT OF FOREST ENGINEERING, RESOURCES & MANAGEMENT

Graduate Assistantship in Forest Measurements and Analysis

This assistantship will allow the recipient to pursue a full-time course of study leading to a PhD degree in Forest Measurement and Analysis. The award provides a competitive 12-month stipend and health insurance for three years (subject to performance), starting January 2009.

The successful applicant will be involved in a project that examines **the use of high-density airborne LiDAR data to improve the accuracy of mapped forest inventory information on the Kenai Peninsula and regions within interior Alaska**. The development of spatially-explicit information describing forest type and structure over a region is critical for a broad range of applications, including policy development, ecosystem modeling, habitat management, forest fuels mitigation, and inventory. In keeping with the importance of spatially-explicit information, the project examines the use of ancillary information to provide reliable, cost effective, and repeatable stand- and landscape-level estimates under varying stand density and structure, and seeks to examine a combination of model-assisted sampling procedures and non-parametric imputation methods to improve thematic and spatial accuracy of inventory variables at multiple spatial scales.

Oregon State University is located in Corvallis, Oregon, between Portland and Eugene. Ocean beaches, lakes, rivers, parks, high deserts, and the rugged Cascade and Coast Ranges are within a 100-mile drive of Corvallis. For information about OSU's graduate program, visit <http://www.forestry.oregonstate.edu/cof/fr/grad.php>

Qualified candidates should have strong quantitative and programming skills. Interested candidates should send their transcripts, GRE scores (unofficial ones are acceptable initially), a statement of research interest, and three letters of recommendation to:

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Closing date: Sept. 30, 2008 or until the position is filled.