Washington State University
School of the Environment
NOTICE OF VACANCY

TITLE:

■   Assistant Professor – Quantitative Forest Ecology

■   9-month, full-time, permanent, tenure-track position

LOCATION:

■   Washington State University—Pullman, Washington

SALARY:

■   Competitive salary commensurate with qualifications and experience

START:

■   August 16, 2019; negotiable

THE OPPORTUNITY:

The School of the Environment (SoE) within the College of Agricultural, Human and Natural Resource Sciences (CAHNRS) and the College of Arts and Sciences (CAS) at Washington State University (WSU) is seeking a dynamic, motivated, problem-solving leader with expertise in forest ecosystems at stand and landscape scales to join an extraordinary team of scientists and teachers. As an integral part of this team, we seek to fill a 9-month, tenure-trackAssistant Professor, teaching and research position to begin August 16, 2019 (or as negotiated) at the Pullman, Washington campus. The successful applicant will develop an internationally-recognized teaching and research program pertaining to quantitative forest ecology and applied ecological modeling.

This position is directly responsible to the SoE Director.

RESPONSIBILITES:

The successful candidate will be expected to develop a research program on quantitative forest ecology that generates publications in high-impact peer-reviewed journals, presentations at disciplinary professional meetings, and extramural funding, and complements existing research in SoE, building our potential to become an internationally recognized research program in forest ecosystem science. Disciplinary emphases may include application of statistics and/or modeling to problems in forest ecology and management, forest biomass or carbon dynamics, response to climate change, interaction with non-forest ecosystems, forest measurements, remote sensing of forest ecosystems, and other quantitatively-grounded disciplines. The successful candidate will contribute to the continued development of a Society of American Foresters-accredited program in forest ecology and management, and our other major programs of study, by developing and teaching undergraduate and graduate courses involving modern statistical, geospatial and computational tools. Teaching duties may include undergraduate courses in measurement of terrestrial natural resources.

In addition to classroom instruction, the person hired will successfully mentor M.S. and Ph.D. graduate students. It is expected that field skills and methods relevant to modern forest management and research will be represented in teaching activities. Additional program responsibilities include participating, as appropriate in committees, instruction, and other activities of the SoE, CAHNRS, CAS and WSU, and outreach to relevant stakeholders.

QUALIFICATIONS:

Required qualifications:
- Earned Ph.D. at the time of hire, in a discipline related to forest ecology and management with an emphasis on quantitative spatial ecology.

Desired qualifications:
- Experience and familiarity with integrating field plots or measurements with remote sensing techniques, modeling, or other tools ;
- Demonstrated ability in statistical analysis techniques and their application to forest ecosystem dynamics, including ecosystem responses to management/silviculture and climate change;
- Strong knowledge of SAS, R, or other data analysis tools as these tools relate to analytical challenges in forest ecosystems and very large data sets;
- Knowledge of the application of forest measurement techniques;
- Record of research accomplishment as demonstrated by peer-reviewed publications and extramural funding;
- Demonstrated ability or evidence for potential excellence in classroom teaching and research mentoring of students at the graduate and undergraduate levels;
- Demonstrated effective oral and written communication skills;
- Demonstrated ability to develop collegial and productive collaborations with academic and other stakeholders.