



Oregon State
University

Wood Science & Engineering
College of Forestry
Oregon State University
119 Richardson Hall
Corvallis, Oregon 97331

P 541-737-4257
F 541-737-3385

Posting # P03492UF

This **9-month, 1.0 FTE, tenure-track Assistant Professor** position in the area of **Advanced Wood Manufacturing** is a shared position with the College of Forestry (COF) and the College of Engineering (COE) at Oregon State University (OSU).

OSU is a Land/Sea/Space/Sun grant institution with a COF that is an internationally recognized leader that is transforming education, research and policy for managing and sustaining working forest ecosystems in the 21st century and a COE that is a member of four Manufacturing USA Initiatives. Through this shared position, the colleges are expanding a partnership that includes faculty engaged in the TallWood Design Institute (<http://tallwoodinstitute.org/>). This position consists of a balance of research/scholarship, instruction/teaching, and service responsibilities across COF and COE with a tenure home and primary appointment in COF.

Oregon State University has a strong institutional commitment to diversity and multiculturalism, and provides a welcoming community. OSU is committed to maintaining and enhancing its collaborative and inclusive community that strives for equity and equal opportunity. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of a diverse and an inclusive community.

The incumbent will be responsible for technical and fiscal management of research projects and related grants, and may direct staff members as appropriate for research projects. They will evaluate student performance in classroom and research settings, and may participate in decisions on awarding degrees. As appropriate, they will collaborate with faculty, students, staff, and external partners and clientele.

Position Duties:

60% – Research/Scholarship:

Conduct research and scholarship focusing on advanced manufacturing in the broad industry sector of wood products. Develop, manage, and maintain an active, externally-funded research program. Synthesize and communicate results of this research to scientific and engineering communities through outlets including refereed journals, books and book chapters, scientific meetings, and professional workshops.

30% – Instruction/Teaching:

Teach approximately three courses per year, including at least one graduate level course (e.g., related to the new faculty member's research topics in advanced wood manufacturing). Teach WSE 463, Advanced Manufacturing II. Teaching assignments may be adjusted as needs evolve and the new faculty member's interests and aptitude dictate, including on-campus and online (e-campus) instruction. Recruit, supervise, support, mentor, and serve as major advisor for MS and PhD students. Mentor undergraduate students and provide opportunities for their involvement in conducting research to help foster professional development and placement.

10% – Service:

Participate annually in departmental, college, and university level affairs and governance, including leadership in curriculum and program development. Service is also expected in support of industry, academic organizations, and other professional groups and associations.

Minimum/Required Qualifications:

- An earned PhD by the time of hire focusing on Mechanical, Industrial, Manufacturing, or Electrical Engineering, Wood Science, or a closely related field; **OR** a PhD in another field, plus BOTH a BS or MS degree AND work experience in Mechanical, Industrial, Manufacturing, or Electrical Engineering, Wood Science, or closely related field.
- Ability to teach courses on advanced wood product manufacturing technologies covering topics such as robotics, automation, scanning, optimization, Big Data, Internet of Things, and additive manufacturing.
- Demonstrated commitment to student success.
- Demonstrated potential to conduct effective advanced wood manufacturing research.
- Demonstrated potential to publish in outlets such as refereed journals, books, and/or book chapters.
- Demonstrable commitment to promoting and enhancing diversity.
- Effective interpersonal and communication skills enabling collaboration with a broad spectrum of students, teachers, researchers, and industrial professionals.
- This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per OSU Standard 576-055-0000 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months.

Preferred (Special) Qualifications:

- Experience developing and managing an active research program, including writing proposals for competitively funded grants and securing research funds.
- Publications in outlets such as refereed journals, books, and/or book chapters.
- Experience in teaching/instruction specifically at the college level.
- Potential to teach an overview course of basic wood manufacturing processes.
- Experience with industrial partners/applications in the form of research or practice.
- Experience presenting research findings at scientific meetings and/or professional workshops.
- Active participation in professional organizations.
- Demonstrated ability to lead/participate in interdisciplinary research and teaching programs.

This position is located in Corvallis, Oregon

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.

This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per OSU Standard 576-055-0000 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months. Offers of employment are contingent upon meeting all minimum qualifications including the criminal history check requirement.

To apply, submit a letter of interest, CV/Resume, and additional documents by going to <http://jobs.oregonstate.edu/> and search for Posting # **P03492UF**

Posting closes on January 31, 2020.