

Assistant Professor in Sustainable Bioenergy Systems Tenure-track, full-time, 9 month appointment

The School of Forest Resources at the University of Maine seeks a collaborative colleague to join our faculty as an Assistant Professor with research interests in the field of sustainable bioenergy systems. The University of Maine is a Land Grant and Sea Grant university. The School of Forest Resources awards Bachelor of Science degrees in Forestry; Forest Operations, Bioproducts, & Bioenergy; and Parks, Recreation & Tourism; as well as Master of Science, Master of Forestry, and Doctoral degrees in Forest Resources. We are a vibrant School that has experienced a doubling in undergraduate forestry major enrollments and added seven new energetic faculty members in the last five years. Detailed information about the programs and faculty is available at www.forest.umaine.edu. The School also is closely aligned with the Advanced Structures and Composites Center, The Forest Bioproducts Research Institute, and the Center for Research on Sustainable Forests.

The School of Forest Resources is home to an energy testing laboratory that features state of the art biomass, pellet and panel testing equipment for both physical and mechanical property measurements. The laboratory is the only fully ALSC/PFI certified pellet testing lab in New England and was one of the first in the United States.

The University of Maine is located in Orono, a small college town bounded by the Stillwater and Penobscot Rivers. The campus is just eight miles north of Bangor, one of the largest cities in Maine, and serves as the commercial and medical hub for northern, central and eastern Maine. The Bangor Region is centrally located in the state, providing nearby access to mountains, forests, rivers, lakes, and the ocean. Orono is a 4-hour drive from Boston, 5 hours from Quebec City, 90 minutes from Baxter State Park and the Appalachian Trail, and 90 minutes from Bar Harbor, the home of Acadia National Park.

Academic and Professional Qualifications

A Ph.D. with at least one degree in Wood Science and Technology, Forest Biomaterials and Energy or closely allied field by the time of appointment is required. Additional experience in engineering, renewable energy, LCA or a closely related field is highly desirable. Expertise and experience should include teaching and research that emphasizes biomass conversion to energy, new bio-based construction materials for energy conservation, energy conversion and efficiency during manufacturing. Knowledge of forest resource business practices is desirable. A demonstrated commitment to excellence in undergraduate and graduate education, and a proven ability to obtain extramural research funding and publish in leading peer-reviewed journals as well as interacting with industry is desired.

Responsibilities:

The position is a 50% teaching/50% research appointment.

Teaching: A 50% teaching appointment involves teaching 9 credits per academic year, which may include: (1) undergraduate courses (SFR Bioenergy Sources, Systems and Environmental Effects; Wood Identification Laboratory; and Processing of Bioproducts), (2) develop a graduate course in the general area of Wood Physics, (3) as appropriate, participate in cooperative efforts with other faculty in support of undergraduate practical field, (4) serve as an advisor to both

undergraduate and graduate students, and (5) other teaching responsibilities as assigned consistent with the teaching appointment.

Research: The successful candidate will be expected to develop a nationally recognized, externally funded research program in one or more of the following topic areas: biomass conversion to energy, new bio-based construction materials for energy conservation, energy conversion, wood drying systems, efficiency during manufacturing, and carbon credits and life cycle assessment (LCA). Results from this research are expected to be published in leading peer-reviewed journals and other outlets as well as transferred to industry/field applications as appropriate. It is expected that the candidate will building a strong graduate program around their area(s) of expertise.

Service: The successful candidate will be expected to pursue public service activities, such as providing assistance to representatives from the forest products industry and government agency personnel, and serving on campus committees and professional organizations.

Anticipated Start Date: Position available **September 1, 2018** or commensurate with applicant's availability.

Salary and Benefits: Salary commensurate with qualifications and experience. Qualified applicants will also be considered for the Ruth Hutchins Chair in Forest Resources. Information about the University of Maine's benefits package can be found at: <http://www.maine.edu/about-the-system/system-office/human-resources/>

Application:

Materials must be submitted via "Apply For Position" at <https://umaine.hiretouch.com/>. You will need to create a profile and application; upload 1) a cover letter; 2) a CV; transcripts of all academic work and provide contact information for up to five professional references. You will also need to complete the affirmative action survey, the self-identification of disability form, and the self-identification of veteran status form. Incomplete application materials cannot be considered.

Deadline: Review of applications will begin **February 5, 2018** and continue until position is filled.

Direct questions to:

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