UNIVERSITY OF MINNESOTA

Twin Cities Campus

Department of Forest Resources
College of Food, Agricultural and Natural Resource Sciences

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11/1/2017

Faculty Position at the University of Minnesota
Assistant Professor in Forest Biometrics, Modeling, Measurements

Description: Nine-month, full-time, tenure-track assistant professor appointment with responsibilities for teaching (60%) and research (40%) in the Department of Forest Resources on the St. Paul Campus.

Essential Qualifications: Ph.D. by the time of appointment with a concentration in forest biometrics, modeling, or measurements. At least one degree in forestry. In-depth understanding of principles, concepts, techniques, and applications related to forest and natural resource survey design, forest growth and yield modeling, field-based forest measurements, and statistical analysis. Experience developing and implementing quantitative and integrative approaches using forest inventory data, demonstrated skill and expertise in measuring, modeling, and statistical analysis of forest resources data, management and analysis of large integrated datasets, and an ability to identify and solve problems important to forest science, management, and planning in a multi-disciplinary setting. Ability to effectively deliver undergraduate and graduate instruction on a range of topics related to forest biometrics, modeling, and measurements. A commitment to excellence in undergraduate and graduate instruction is required, including a commitment to successfully advise and train students from culturally diverse backgrounds. Strong communication skills are essential, including demonstrated success in publishing in leading peer-reviewed scientific journals and communicating with forest and natural resource professionals.

Preferred Qualifications: Specialized expertise in a particular area such as informatics, spatial statistics, landscape modeling, information technology, forest analytics, quantitative planning techniques, or geospatial analysis. Education and background in complementary areas such as forest ecology, silviculture, forest/natural resource economics, forest operations/engineering, remote sensing, or operations research. Familiarity and experience with forest resources and forest management and planning issues and approaches in the U.S. Upper Great Lakes Region. Experience applying and using forest measurement tools and techniques in the field. Demonstrated ability to obtain grant funding in support of research. Demonstrated success in teaching. A forestry degree accredited by the Society of American Foresters.

Responsibilities: 1) Teach undergraduate and graduate courses in forest/natural resource survey, measurement, and modeling methods, statistics for environmental and natural resource professionals, and advanced methods for resource assessment; 2) Develop a nationally recognized research program in forest biometrics, modeling, and measurements that addresses important problems affecting the sustainable management and use of forests and related natural resources. The research would be undertaken in collaboration with faculty located in St. Paul, Grand Rapids and Cloquet, as well as scientists locally, regionally, nationally, and internationally; 3) Seek and secure funding to support your research program; 4) Mentor undergraduate students in the FNRM and ESPM majors; 5) Recruit, advise, and train graduate students in the NRSM program from culturally diverse backgrounds; and 6) Participate in University faculty governance and, where appropriate, provide leadership to continuing education and outreach activities statewide.

Salary and Benefits: Salary is competitive and commensurate with experience and qualifications. Benefits include participation in the University faculty retirement program, as well as optional retirement plan, group life, medical, and dental insurance plans. The position is available August 27, 2018. Detailed benefits information is available at: http://www1.umn.edu/ohr/benefits/index.html.

Application Process: Apply on line via the Employment System at http://www1.umn.edu/ohr/employment/. The Job Opening ID for this position is 320535. Applications must include (1) a cover letter; (2) a detailed CV/resume; (3) a brief statement describing teaching interests and philosophy (1 page); (4) a brief statement describing research interests and philosophy (1-2 pages); (5) a brief statement describing interest in, experience with, and commitment to diversity and inclusiveness (1 page); (6) copy of undergraduate and graduate transcripts; and (7) the names and addresses of three professional references. Applicants are also asked to request letters from these references be sent to the address below or to hogan001@umn.edu in a timely manner. Review of applications will begin December 15, 2017 and continue until the position is filled.

Direct inquiries and applications to: Dr. Howard Hoganson, Chair, Biometrics, Modeling, and Measurements Search Committee (218-327-4490, extension 2007, hogan001@umn.edu) or Ms. Janelle Schnadt, Administrator, Department of Forest Resources, University of Minnesota, St. Paul, MN 55108 (612-624-2799, jschnadt@umn.edu). Information on the department and its programs can be found at http://www.forestry.umn.edu.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, religion, color, sex, national origin, handicap, age, veteran status, or sexual orientation. The University is committed to excellence through diversity and strongly encourages applications from women, minorities, and other underrepresented groups.