

## Faculty Position – Spatial Technologies in Forestry and Natural Resources

Department of Forestry  
Mississippi State University

**Position:** Assistant/Associate Professor, Department of Forestry, College of Forest Resources, Forest and Wildlife Research Center, Mississippi State University. Anticipated start date is no later than August 2022.

**Required Qualifications:** Ph.D. in Forestry, Natural Resources, or related discipline. Demonstrated expertise in the use of GIS and remote sensing technologies in forestry and/or natural resource applications. ABD applicants will be considered.

**Preferred Qualifications:** Record of scholarly publications; demonstrated ability or potential to secure extramural funding; experience in teaching at the university level; potential to develop a collaborative and interdisciplinary research program; research expertise in areas including collection and processing of terrestrial and aerial LiDAR data, management of geodatabases, and spatial statistics.

**Responsibilities:** Responsibilities will include participation in the Department's teaching, research, and service activities. The successful candidate will be expected to teach campus and distance-learning undergraduate/graduate courses including Spatial Technologies in Natural Resources Management, Remote Sensing Applications, GIS for Natural Resources Management, and a graduate course in the candidate's area of expertise. The successful candidate will be expected to develop an extramurally-funded research program in areas such as geospatial assessment of natural resources, precision forestry, or quantification of carbon storage and ecosystem services using passive (e.g. spectral reflectance) and/or active (e.g. LiDAR) sensors. Opportunities exist for research collaboration with the USDA Forest Service and other federal agencies, state agencies, forest industry, non-governmental organizations, and forest landowners and land managers.

**Rank and Salary:** Tenure-track, full-time, 9-month appointment. Salary is negotiable and commensurate with qualifications and experience.

**Department of Forestry:** The Department of Forestry is one of three departments in the College of Forest Resources and Forest and Wildlife Research Center and has excellent facilities in Thompson Hall, including the Measurements and Spatial Technologies Laboratory that houses a dual server for large data storage and PC workstations with GIS, image analysis, and statistical software packages. The Department has two SAF-accredited, [undergraduate degree programs](#) (Forestry and Natural Resources and Environmental Conservation). The John W. Starr Memorial Forest and [Bulldog Forest](#) properties are near the University and used for teaching, research and demonstration activities.

**Mississippi State University:** Mississippi State University is a Carnegie Very High Research Activity (R1) institution, a National Center for Excellence for the Federal Aviation Administration, and a land grant university that includes the Mississippi State University Extension Service and various facilities and research centers, such as the Forest and Wildlife Research Center, [Geosystems Research Institute](#), [High Performance Computing Collaboratory](#), and [Raspert Flight Research Laboratory](#). The [University](#) is located in beautiful Starkville, Mississippi.

**Application Procedure:** Screening of applicants will begin January 5, 2022 and continue until a suitable applicant is found. Applications must be made through the Mississippi State University Employment opportunities website via the following link: <http://www.msujobs.msstate.edu/> (PARF Number 503381). Applicants should also send (in a single pdf) a letter of application; CV; copies of unofficial transcripts (for all degrees); statements of 1) research, 2) teaching and mentoring, and 3) diversity, equity and inclusion (1 page each); and complete contact information for three professional references to:

Dr. Heidi Renninger (heidi.renninger@msstate.edu)  
Chair, Spatial Technologies in Forestry and Natural Resources  
Department of Forestry  
Mississippi State University  
Mississippi State, MS 39762-9681

*MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, ethnicity, sex, religion, national origin, disability, age, sexual orientation, genetic information,*

*pregnancy, gender identity, status as a U.S. veteran, and/or any other status protected by applicable law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.*