Assistant or Associate Professor of Remote Sensing and Geospatial Analysis
School of Forest Resources and Environmental Science
Michigan Technological University

Appointment Term
A nine month, tenure-track position at the Assistant or Associate Professor level is available with the appointment starting August 2020. Salary is commensurate with qualifications and experience.

Responsibilities
Research: We are seeking an outstanding candidate who is excited about working in an interdisciplinary setting and will complement existing faculty research interests and strengths. The candidate is expected to develop a nationally and internationally recognized, externally funded research program involving Masters and Doctoral students in the areas of remote sensing, digital image processing, unmanned aerial vehicles (UAV) and geospatial analysis. Experience in the fields of LIDAR and/or hyperspectral imagery, UAVs, and geospatial technology applications related to natural resource management issues, such as land use change, invasive species monitoring and wildlife conservation, are required. A valid Remote Pilot Certificate from the FAA is highly desirable as well as experience working with "big" datasets.

Teaching: Responsibilities will involve environmental remote sensing and digital image processing courses at the graduate and undergraduate level. Graduate teaching may also include development of courses in the candidate's area of expertise.

Institution: The successful candidate will contribute to the School's vision as a premier, national center of excellence in natural resources and environmental science education, research and outreach. Interdisciplinary research opportunities exist with the newly created College of Computing, the Great Lakes Research Institute, the Michigan Tech Research Institute, and other research groups across campus.

Environment
Michigan Tech's School of Forest Resources and Environmental Science is one of the most productive forest research programs in the country. The School is particularly well known for its excellence in the fields of GIS, remote sensing, applied spatial statistics, forest science, applied ecology, forest molecular genetics, and wildlife conservation and management. The School has extensive UAV and Lidar equipment including: a Trimble UX5 (Sony a5100 RGB Camera), a Trimble UX5 HP (Sony alpha a7R NIR Camera), a Trimble UX5 AG (MicaSense-RedEdge Multispectral Camera), a Riegl LiDAR Scanner, a Trimble R8s / GNSS receiver, a Trimble S7 Total Station, a Trimble GeoXH 6000 GPS, and a Trimble Geo 7x.

Established in 1885, Michigan Tech is a nationally recognized research University, enrolling over 7,000 students and is a leader in science and engineering education. We are building a culturally diverse faculty committed to teaching and working in a multicultural environment and strongly encourages applications from all individuals.

Michigan Tech is an ADVANCE Institution, and has twice received National Science Foundation funds in support of efforts to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM.

Michigan Tech acknowledges the importance of supporting dual-career partners to retain a quality workforce. Candidates are invited to bring a guest to an on-campus interview; career exploration, advice, and assistance are available for positions at the University and in the local community. Additional details on dual-career exploration with our Partner Engagement Program can be found at https://www.mtu.edu/provost/programs/partner-engagement/.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities. Persons requiring reasonable accommodation in the application process or requiring information in an alternative format should contact Human Resources at mtujobs@mtu.edu or 906/487-2280.

For more information about the School of Forest Resources and Environmental Science, please visit: mtu.edu/forest/. Specific question may be directed to Ann Maclean, amaclean@mtu.edu.

Details on the process for applying are available at https://www.jobs.mtu.edu/postings/8769. Review of applications begins December 16, 2019 and continues until the position is filled.

Qualifications
Ph.D. in a relevant field is required at time of appointment. Candidates must have demonstrated interest and expertise in remote sensing, digital image processing, geospatial technology. Post-doctoral research and extramural grant writing experience are strongly desired.