Assistant Teaching Professor in GIS & Remote Sensing
College of Forest Resources and Environmental Science
Michigan Technological University

Appointment Terms

A nine month, non-tenure instructional track position at the Assistant Teaching Professor level is available with the appointment starting August 2023. Salary is commensurate with qualifications and experience.

Responsibilities

Teaching: Teaching responsibilities will include five to six synchronous or asynchronous on line and in-person courses per year with some of them being at the graduate level. The courses will be determined based on the needs of the College but will include courses in remote sensing of the environment and Geographic Information Systems (GIS).

Development of GIS Certificates as part of a soon to be offered Masters in GIS through the MTU Global Campus. This work will take place during the spring and summer 2023 and beyond.

Oversee the roll out and teaching of the first GIS Certificate in Fall 2023 and the continuing development of certificates 2 and 3.

Service: The successful candidate will be required to contribute to their science through peer-reviewed manuscripts, conference attendance, etc. Additionally, service can include serving on committees within the College of Forest Resources and Environmental Science and across the University campus.

Environment

Michigan Tech's College of Forest Resources and Environmental Science is one of the most productive forest research programs in the country. The College is particularly well known for its excellence in the fields of GIS, remote sensing, forest science, applied ecology, forest molecular genetics, and wildlife management.

Established in 1885, Michigan Tech (MTU) is a nationally recognized flagship public research University, enrolling over 7,000 students and is a leader in science and engineering education. MTU is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. MTU acknowledges the importance of supporting dual career partners in attracting and retaining a quality workforce and is committed to offering career exploration advice and assistance whenever feasible and appropriate at the University and in the local community. See https://www.mtu.edu/provost/programs/partner-engagement/ for additional information.

Qualifications

Ph.D. in remote sensing of the environment or a closely related discipline at the time of appointment. The successful candidate will have experience with in-person and online synchronous/asynchronous teaching of natural resources (undergraduate/graduate level) as lead instructor. The candidate shall also be proficient in ArcGIS Pro, ERDAS Imagine, QGIS, or similar GIS/remote sensing software for analysis of natural resource datasets.

Finally, the candidate shall have extensive background using learning management systems, such as Canvas. Other desired qualifications include background with use of machine/deep learning and/or programming with R, Python, etc. with natural resource datasets, and a history of UAS system operation and data processing. Women and minority candidates are encouraged to apply.

Application Procedure

Send cover letter, curriculum vita, teaching statement describing the philosophy used in the classroom to deliver the course content including any specific approaches used in online courses that differ from live in-person course, a diversity statement that describes past and/or potential actions support a culture of diversity, equity, and inclusion where all members of a campus community can excel, and names of three references (with telephone numbers, mail and email addresses: https://www.employment.mtu.edu/cw/en-us/job/493151

Questions may be directed to Dr. Mickey P. Jarvi (mpjarvi@mtu.edu).

Review of applications will begin February 17, 2023 and will continue until an appropriate candidate is chosen.

"Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities".

If you require any auxiliary aids, services, or other accommodations to apply for employment, or for an interview, at Michigan Technological University, please notify the Human Resources office at 906-487-2280 or humanresources@mtu.edu.