

PhD Position Available in Remote Sensing at Michigan Technological University

Assistantship Description: A PhD position is available with Dr. Tao Liu at Michigan Technological University. The student will apply machine learning algorithms to process the active/passive remote sensing data to solve a wide spectrum of research problems in natural or urban environment, which include but are not limited to landcover mapping, individual tree crown delineation, change detection. The student will work with Dr. Tao Liu to explore the best options of combining machine learning and remote sensing techniques to find answers to questions about energy, ecology or climate change.

Qualifications:

- MS or BS degree in environmental science, forestry, geography, computer science, data science or other related fields.
- Programming skills using Python, Matlab or R.
- Remote sensing research or image processing experience
- Strong communication skills, both in terms of formal written reports/manuscripts and oral presentations.

Funding: The selected candidate will be funded for a period of 3 years, which includes a livable stipend and tuition.

Timing: The start date is Fall (August) 2021. The position is available immediately and open until filled.

Application Procedure:

Applicant should email Dr. Tao Liu at taoliu@mtu.edu to express your interest in the position. Please include a brief cover letter describing your relevant qualifications and interest in the project. Also include a copy of your CV, transcripts, and TOEFL or IELTS (international applicants).

MTU Description:

Michigan Tech is located in Houghton, MI in the heart of Michigan's Upper Peninsula. Houghton is situated on the hills bordering the beautiful Portage Waterway and is only minutes from the Lake Superior shoreline. The area offers a bounty of cultural and recreational opportunities and a low cost of living. Houghton was rated as the 15th Greatest Place to Live in America by Outside Magazine in 2014. This environment combined with a great research opportunity results in an excellent quality of life.

Date: 01/11/2021



Michigan Tech