UCONN

NATURAL RESOURCES AND THE ENVIRONMENT

UNIVERSITY OF CONNECTICUT

POSITION DESCRIPTION:
Graduate Assistant (MS or PhD level)

Overview: The Global Environmental Remote Sensing (GERS) Laboratory at University of Connecticut seeks applications for a Graduate Assistant with an anticipated start date of ***Jan 19, 2021.***

The graduate assistant will work in the GERS Laboratory under the supervision of Assistant Professor Zhe Zhu. The scholar will play key roles in a federally funded projects related to develop the Wide Area Terrestrial Change Hypercube (WATCH) system using moderate- and high-resolution satellite time series observations. Specific responsibilities include conducting research on data harmonization and continuous monitoring of artificial structures; preparing high quality, peer-reviewed publications; and presenting research findings at project and professional meetings. More information about GERS Laboratory can be found here: https://gerslab.uconn.edu/

The position will be housed at UConn's main campus at Storrs, Connecticut. It is approximately a half hour's drive from Hartford and 90 minutes from Boston. UConn is a flagship university that is ranked as the best public national university in New England and is tied for 23rd in "top public schools" and tied for 63rd best national university in the 2021 U.S. News & World Report rankings. It has been recognized as a Public Ivy, defined as a select group of publicly funded universities considered to provide a quality of education comparable to those of the Ivy League. We are especially interested in applicants who can strengthen the diversity of the academic community.

Essential Duties:

- Perform research and development related to change detection, time series analysis, and data harmonization.
- Disseminate research outcomes in high-impact, peer-reviewed publications, and professional conferences
- Participate in all group meetings and workshops

Desired Qualifications:

- Strong programming skills (e.g., Matlab, C, R, Python)
- Strong research and development skills in one of the following areas: Change detection, time series analysis, data harmonization, urban remote sensing.
- Demonstrated experience in the use of high-performance computing or cloud resources.

To Apply: Initial deadline for accepting applications is October 30, 2020. If not filled, reviews will occur every week thereafter until the last application date on December 16, 2020. To apply, candidates must submit the following materials to zhe@uconn.edu

- A Statement of Research Interests (not to exceed 2 pages)
- A complete Curriculum Vitae
- Contact information for three references (including name, phone number and email)

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