Assistant Research Professor

Geospatial Sciences Center of Excellence

South Dakota State University

South Dakota State University invites applications for an Assistant Research Professor. The Geospatial Sciences Center of Excellence (GSCE) seeks a person with research experience focused on terrestrial remote sensing, particularly the development of advanced computing methods to integrate/fuse medium resolution sensor data (e.g., Landsat and Sentinel-2) for large area global land cover and land use change characterization, and with demonstrated computer programming experience. The position is externally funded, full-time at nine (9) months, with the opportunity to secure three (3) additional months of funding. The successful candidate will be expected to seek and secure externally-funded research grants, recruit and mentor Ph.D. students and post-doctoral researchers, and undertake service to international and/or national research organizations and to the research and university communities.

SDSU is especially interested in candidates that can contribute to and/or coordinate course offerings that address the experiences of underrepresented minorities in organizations. Women, minorities, veterans, and people with disabilities are especially encouraged to apply.

Required Qualifications:

- Earned Ph.D. in Geography or related field with a background in quantitative remote sensing;

- Minimum three (3) years' experience post-Ph.D. conducting externally-funded research;

- Minimum three (3) years' experience post-Ph.D. developing software to process remote sensing data;

- Scholarly activity, including collaborative research and at least six (6) peer-reviewed publications as first author in peer-reviewed journals;

- Effective written and verbal communication and interpersonal skills;

- Ability to work collegially in a group setting; and

- Commitment to principles of affirmative action and equal employment opportunity.

Desired Qualifications:

- Programming in C and use of scripts in Unix/Linux environments;

- Experience with petabyte-scale satellite data processing; and

- Experience writing competitive research grants.

Salary:

Nationally competitive and commensurate with experience.

University/Community:

The Geospatial Sciences Center of Excellence (GSCE) is a collaboration between South Dakota State University (SDSU) and the nearby United States Geological Survey (USGS) Center for Earth Resources Observation and Science (EROS) that includes both university faculty and USGS researchers (http://globalmonitoring.sdstate.edu). The GSCE mission is to apply geographic information science capabilities, especially remote sensing, to advance the scientific understanding of the Earth System and, in particular, the characteristics and consequences of a changing global landscape. The GSCE is a friendly research environment that has excellent research infrastructure and computing support: (http://globalmonitoring.sdstate.edu/sites/default/files/GSCE_Triennial_Report_2012_2014_0.pdf).

SDSU is a land grant institution and the State's largest institution of higher education with an enrollment of nearly 13,000 students. SDSU is located in Brookings, South Dakota, a community of approximately 23,000 near the east central border of South Dakota on Interstate 29. The city has an excellent K-12 education system, is accessible to major medical facilities, has an active cultural and social environment, and numerous lakes and parks are within driving distance. It is 80 km north of the Sioux Falls, a metropolitan area with a population of 260,000.

Application Deadline:

Position is open until filled with full consideration given to applications received by August 10, 2017.

Application Process:

For questions concerning this position, please contact Dr. David Roy, Search Chair via email at david.roy@sdstate.edu. SDSU accepts applications only through an on-line employment site. Visit: https://yourfuture.sdbor.edu/applicants/Central?quickFind=61248. The system will guide you through the electronic application form. The employment site will also require the attachment of your curriculum vitae, cover letter and research statement, and the names and contact information for three professional references. Please contact SDSU Human Resources at (605) 688-4128 or HR@sdstate.edu if you require assistance with this process.

Any offer is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to, a criminal background check.