

Senior Staff Associate for the Center for International Earth Science Information Network of Columbia University

The Center for International Earth Science Information Network (CIESIN) of Columbia University invites applications for a Senior Staff Associate. The Senior Staff Associate will support a NASA-funded project on "Multi-sensor Fusion to Determine Agricultural Sensitivity to Climate Variability in South Asia." The project seeks to combine remote sensing data (MODIS, Landsat, TRMM, and other appropriate remote sensing data), climate data, district-level census data, and field surveys to examine the biophysical and socioeconomic factors associated with the sensitivity of agriculture to climate variability. The Senior Staff Associate will also support the NASA-funded Socioeconomic Data and Applications Center (SEDAC) by processing remote sensing data for value-added products such as environmental indicators, including the integration of remote sensing and socioeconomic data. The Senior Staff Associate will also provide support to the Africa Soils Information System (AfSIS) project through remote sensing processing.

Requirements:

Bachelor's degree and 8 years of experience or Master's degree in remote sensing, earth sciences, geography or land cover change, with at least 4 years work experience. PhD is desirable. High level of proficiency in remote sensing processing software packages (IDL, ENVI, ERDAS), ArcGIS for geospatial processing, and R for statistical processing, and familiarity with a range of land remote sensing data products required. Python desirable. Demonstrated analytical skills, quantitative data analysis capabilities, and experience with analysis of large datasets required. Excellent writing skills required and record of publications in fields such as remote sensing and land cover change desirable. Track record of successful proposal submissions and project management desirable. Demonstrated interest in cross-disciplinary work and data integration required. Ability/willingness to work in a team and in multidisciplinary environments; experience of work in multidisciplinary environments is a plus. Travel to, and collaboration with partners in, developing countries is required, including field work in South Asia and Africa. Excellent communication skills required.

Application deadline is July 18, 2015.

Please visit our online application site at

<https://academicjobs.columbia.edu/applicants/Central?quickFind=61080>

for further information about this position and to submit your application, a cover letter, curriculum vitae and contact information for 3 references.

Columbia University benefits provided with this Officer of Research position.

Columbia University is an Equal Opportunity/Affirmative Action employer --
Race/Gender/Disability/Veteran.

We accept online applications only.