REMOTE SENSING/GEOGRAPHIC INFORMATION SYSTEM (RS/GIS) EXPERT

Location: University of Ghana, GHANA
Duration: Position is temporary (12 months)
Starting Date: Immediately

Job Description:
The RS/GIS expert is expected to support on-going remote sensing related research in the Department of Oceanography and Fisheries, University of Ghana. The functions will include but not limited to:

- applying knowledge of the principles of remote sensing, remote sensors, field checking and image processing and interpretation;
- processing aerial and satellite images by computer (including specialised image processing software) to fit them to maps;
- processing aerial and satellite images to enhance particular features;
- collating detailed information;
- interpreting and extracting information to support decision making.
- supporting teaching and graduate student supervision

Qualification:
- PhD in Oceanography, Geosciences, or Environmental sciences with specialization in remote sensing.
- In depth knowledge of hyperspectral data processing, including geometric and radiometric corrections, radiative transfer modeling, and multivariate pattern recognition approaches.
- Knowledge in integrating/assimilating remote sensing data in coastal processes, ocean climate, numerical modeling approaches.
- Knowledge in geoinformatics and geostatistics would be considered as an asset.
- Experience in open source programming (matlab, C/C++/C#, Python) and common GIS software (ESRI ArcGIS, Erdas/Imagine, IDL/ENVI) is required.
- The candidate must have a record of publications in peer reviewed scientific journals.
- Applicants must demonstrate good skills in oral communication, an aptitude for grant writing, and an interest to work on intra-departmental multidisciplinary projects.
- Good organizational skills and the ability to work productively in a team environment are essential attributes.
- International experience and interest is desired.

Salary & Benefits:
Salary of US$ 25,000 to $38,000 commensurate upon experience and qualifications.
Decent accomodation will be provided

Languages
Fluency in written and spoken English is essential

Competencies
Accountability – Operates in compliance with organizational rules and regulations. Teamwork - Ability to establish and maintain effective working relations with people in a multi-cultural, multi-ethnic environment with sensitivity and respect for diversity.

To Apply:
Send CV to
Dr. G. Wiafe (wiafeg@ug.edu.gh; +233244657475)