

Position Announcement

Job Title: Assistant Professor position in Space Hydrology

Area of specialization in IWRI Education and Research: Remote sensing science applied to either hydrology, meteorology, climatology.

Job description:

The International Water Research Institute (IWRI) at Mohammed VI Polytechnic University invites applications for faculty positions specialized in the area of large-scale hydrological modeling using remote sensing data to infer water cycle parameters such as precipitation, soil moisture, water level in lakes and rivers. The objective is to design a robust large-scale hydrological model which makes full use of widely available remote sensing data for initialization, forcing and validation of hydrological cycle in the context of climate change. The position is open to individuals who hold Engineering graduate/MS degree and PhD in large scale Space hydrology or a closely related field to the subject discipline. Preference will be given to those with good research and teaching experience. Good communication skills, both verbal and writing are important. Fluency in French and English are preferred.

Key duties:

Successful candidates are expected to:

- Have the desire and ability to teach courses at the undergraduate level related to the candidate's areas of research interest.
- Perform multidisciplinary research and contribute to develop a funded research program.
- Publish the results of personal and sponsored research in international journals refereed by his/her peers.
- Pursue scholarly and professional activities that will keep him/her at the leading edge of his/her field.

Criteria of the candidate:

- PhD in the subject discipline
- At least 2-5 years of experience in the subject discipline
- Relevant experience in the subject discipline as postdoctoral researcher, or in industry or in experimentation would be an asset
- Demonstrated understanding of operational requirements for a successful research project and managing resources.
- Proven ability to identify and fulfill the academic writing requirements for target publications.
- Ability to generate new ideas, links, and to build upon existing ideas to generate good concepts and solutions.
- Demonstrated teaching skills.

Skills:

Research skills

- Large scale Hydrological modeling
- Ground and satellite data processing
- Meteorology or climatology
- Modelling and data mining and analysis.

Teaching skills

- Remote sensing science
- Meteorology
- Climatology
- Modelling and data analysis

About UM6P:

Located at the heart of the future Green City of Benguerir, Mohammed VI Polytechnic University (UM6P), a higher education institution with an international standard, is established to serve Morocco and the African continent. Its vision is honed around research and innovation at the service of education and development. This unique nascent university, with its state-of-the-art campus and infrastructure, has woven a sound academic and research network, and its recruitment process is seeking high quality academics and professionals in order to boost its quality-oriented research environment in the metropolitan area of Marrakech.

About IWRI:

UM6P-IWRI International Water Research Institute is the newest institute located in Morocco, provisionally in Rabat but the main infrastructures are planned in Mazagan and Laâyoune. The institute is dedicated to interdisciplinary and transdisciplinary education and research around water and climate.

The objectives are to conduct cutting-edge research where local themes are connected to global issues of water and climate, with a focus on:

- Integrated Water Resources Management (IWRM)
- Development of water related technologies (irrigation, water supply and sanitation, desalination, demineralisation, treatment and recycling for water reuse)
- Water-Energy-Food-Health-Education Nexus
- Water in and for Soil, Droughts and desertification
- Water Related Hazards
 - Floods (“Hydrometeorological” hazard)
 - Ground Instability
 - Water Pollution
 - Air-Water-Ocean interactions
 - Climate change
- Climate Change and Adaptation Strategies
- Integrated coastal zone management (ICZM)
- Water information, knowledge and decision systems
- Forecasting and Warning Systems
- Environmental Considerations and Sustainable development

Applications and selection procedure:

- Applications must be sent to recrutement@um6p.ma, before April 30, 2019 in a single electronic zipped folder with the mention of the job title in the mail's subject. The folder must contain:
 - A cover letter indicating the position applied and the main research interests.
 - A detailed CV.
 - A brief research statement.
 - Contact information of 3 references (applicants are assumed to have obtained their references' consent to be contacted for this matter).

- The short-listed candidates will be invited to meet the university selection committee.

About compensation package:

- Best in class salaries
- 30% annual bonus on gross salary.
- Research budget allowance to professor
- Best in class :
 - IP sharing policy (33% for professor)
 - MOOCs policy (60% for professor)
 - Consulting policy (100% for professor when teaching time is completed)

- Complete benefits including housing, tuition fees, life & medical insurance, retirement, maternity leave and sabbatical.