

Hydroclimatologist

Job Description

The Hydrologic Research Center (HRC), San Diego - is a public non-profit research, technology transfer and training organization, dedicated to the development of effective and sustainable solutions to global waters issues. HRC's goal is to provide a conduit for academic and other up-to-date research to be made suitable for effective application to field operational problems that involve water management and flood disaster mitigation. At present HRC operational systems support hydrometeorological forecasters in more than 65 countries, serving about 3 billion people worldwide. Please visit the HRC website for more details: <https://www.hrcwater.org>.

HRC has an opening for a scientist/engineer to join our current interdisciplinary team as a Hydroclimatologist. The successful candidate will participate in a variety of the Center's programs ranging from climate and hydrologic research to real-world applications involving climate, water resources, hydrology, flooding, and flash flooding issues world-wide. On-going work involves real-time implementation and validation of seasonal-to-subseasonal ensemble predictions in large river watersheds, assessments of impacts of climatic variability and change on flash flooding regimes worldwide, assessments of climatic variability and change impacts to water resources over large river watersheds, development of strategies for mitigation of adverse climatic impacts to flood and water resource management of large regions, and associated training of field personnel of national hydrological and meteorological agencies, disaster management and water resources management agencies.

Ability to work productively as part of a multi-disciplinary team is required. We seek a detail-oriented individual, who is creative and excited to apply their knowledge to hydrometeorological and water resources applications.

Specific Requirements

- A PhD degree in atmospheric science, hydrology, geosciences, or closely related field. A postdoctoral position may be considered for applicants with a recently completed PhD degree.
- Applicants must have a strong background in analysis of large atmospheric, hydrologic, and climatic datasets using statistical and geo-spatial analysis methods. Datasets considered may be observational or based on modeling output.
- Knowledge and experience with programming languages, particularly Matlab, Python, C, or Fortran, is needed, as well as familiarity in different operating environments (Windows, Linux, Mac).
- Working knowledge and experience with Geographic Information Systems (GIS) for quantitative, spatial analysis is a benefit.

Additional Information and Instructions

HRC's office is located in San Diego, California. We all work remotely and we welcome candidates from across the United States for remote opportunities.

Salary commensurate with qualifications and experience. HRC provides a competitive benefits program including retirement, medical, dental and vision plans and paid vacations, holidays and sick leave.

Candidates should email a cover letter highlighting the reasons for their interest in the position, their current CV, and the names of two references that are familiar with the candidates past work to: **Chair, HRC Hydroclimatologist Search, at the email address: HRC_HMSearch@hrcwater.org** . Selected candidates will be provided an application form that must be completed prior to final selection.

The Hydrologic Research Center is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, protected veteran status, gender identity or sexual orientation.

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document Form I-9 upon hire.

Please note that due to the Covid-19 pandemic, HRC team members have not been engaged in professional travel since March 2020; however, the ability to potentially travel domestically and internationally is required.