



Open postdoctoral researcher in watershed hydrology and climate change impacts

Start date: September 1, 2022

Duration: The initial appointment will be for 2 years, with possible renewal subject to performance and funding status.

I am seeking applications for an open postdoctoral researcher position in the Civil and Environmental Engineering (CEE) at the Florida State University. My group focuses on watershed hydrology, harmful algal bloom prediction and mitigation, natural and nature-based features, climate change and sea level rise impacts on hydrology, water quality, and ecology. Multiple projects funded by the National Science Foundation (NSF), Environmental Protection Agency (EPA), and Florida Department of Environmental Protection (FDEP) are ongoing in my group.

The postdoctoral researcher must have a strong background in hydrology and watershed management. The successful candidate will (1) develop and conduct the watershed modeling, simulation and optimization, decision support tool development and data analyses, (2) help mentor graduate and undergraduate students, and (3) contribute to the educational activities and writing peer-reviewed papers and research proposals. Applicants must hold a Ph.D. in civil engineering, agricultural & biological engineering, environmental sciences, earth sciences or related field. The candidate must have the ability to work independently and possess strong problem-solving skills and should have publications and conference presentations. Excellent writing skills and oral communication, the ability to organize and interpret data, and disseminate research findings in top-tier refereed journals are essential. It is expected that the candidates have strong computer programming skills (R, MATLAB, or Python), watershed modeling and geospatial analyses (e.g., GIS). A background in machine learning applications in water resources issues is a plus. This position is a full-time 100% FTE appointment, and the selected candidate will receive benefits.

Florida State University is one of the nation's public land-grant institutions that provides collaborative opportunities with experts throughout the sciences and engineering. The CEE Department is home to Resilient Infrastructure and Disaster Response (RIDER) Center, which provides cutting-edge interdisciplinary research opportunities for graduate students. Tallahassee is also located within a short drive to multiple national parks and beaches, providing several opportunities for outdoor activities. Applicants should contact Dr. Nasrin Alamdari (nalamdari@fsu.edu) with a cover letter explaining their qualifications for the position and their goal for pursuing the postdoctoral position, a comprehensive curriculum vitae, and the full names and contact information of three professional references. More information about Florida State University can be found at [this webpage](#).