



### **Research Assistant Professor – Hydroinformatics**

The Department of Civil and Environmental Engineering and Utah Water Research Laboratory at Utah State University invite applications for a research faculty position at the assistant professor level in the area of Hydroinformatics. The focus of this position will be on development and use of innovative cyberinfrastructure to advance understanding of water quantity and quality and improve research workflows in hydrology and water sustainability. This encompasses data capture, storage, processing, collaborative data sharing, and computational modeling systems centered on large scale field experiments with diverse measurements and sensing systems aimed at improving systems and techniques for managing water resources and decision making.

This unique opportunity is linked to a recently awarded National Science Foundation EPSCoR cooperative agreement (innovative Urban Transitions and Aridregion Hydro-sustainability (iUTAH) - see <http://iutahepscor.org>) to expand the capacity of Utah's research faculty to conduct interdisciplinary research to address water sustainability challenges along the Wasatch Front. The successful candidate will contribute to the development of cyberinfrastructure for iUTAH, will participate in iUTAH activities as appropriate, and will be expected to collaborate on new, interdisciplinary grant proposals relevant to the iUTAH theme. In addition, the successful candidate will work on a number of other ongoing, cyberinfrastructure related projects.

Candidates must have earned a doctoral degree in Civil or Environmental Engineering or a closely related field. Areas of expertise and research interest targeted by this position include hydrology and water resources engineering, with an emphasis on Hydroinformatics, Cyberinfrastructure, environmental monitoring and sensor networks, environmental data management, Hydrologic Information Systems, and hydrologic and water resources modeling. This is a research appointment through the College of Engineering within the Department of Civil and Environmental Engineering and the Utah Water Research Laboratory. This is a permanent, 12-month, non-tenure track position, with full funding guaranteed for the first two years, after which renewal will be contingent upon available funding. The successful applicant will be expected to contribute to the development of new proposals for continued funding.

Utah State University is Utah's flagship of higher education and research in the areas of water, natural resources, and the environment. Both USU and the Utah Water Research Laboratory are situated in Logan, Utah in the heart of scenic Cache Valley, approximately 80 miles north of Salt Lake City and known for world class skiing, hiking, and other year-round outdoor activities.

For a complete description of the position and to apply online, please visit <http://jobs.usu.edu/applicants/Central?quickFind=58958>. Review of applications will begin September 15, 2013 and will continue until the position is filled. Questions should be directed to Dr. Jeffery Horsburgh, Search Committee Chair, (435) 797 2946, [jeff.horsburgh@usu.edu](mailto:jeff.horsburgh@usu.edu). Utah State University is an affirmative action/equal opportunity employer and is dedicated to recruiting stellar candidates from a diverse pool including women, minorities, veterans and people with disabilities.