

### **Position 1: PhD Position in the field of Hydrology at the University of Hawaii**

University of Hawaii, Department of Civil and Environmental Engineering (CEE), Water Resources Research Center (WRRC), and College of Tropical Agriculture and Human Resources (CTAHR). CEE, WRRC, and CTAHR at the University of Hawai'i in Manoa seek a PhD student to work in the field of ecohydrology and soil science. The research will be focused on developing a web-based irrigation scheduling decision tool for farmlands in Hawaii, Guam and American Samoa incorporating climate, soil, and crop specific data.

**Duties:** Assist project leaders in field and laboratory data collection characterizing soil water retention, crop rooting depth, and crop coefficients. Assemble field data and adapt existing algorithms to develop a real-time irrigation scheduling tool.

**Minimum Qualifications:** Master degree in hydrology/hydrogeology or agronomy/soil science. Capabilities in MATLAB programming and a record of scientific publications. The successful candidate must have a strong interest in field work, and the ability to perform physical tasks associated with collecting plant and soil samples in a wet, tropical setting.

The appointment will be reviewed annually and renewed based upon performance and funding. Review of applications will begin immediately, and will proceed until the position is filled. For more information, please contact Dr. Sayed Bateni (smbatani@hawaii.edu) and/or Dr. Jonathan Deenik (jdeenik@hawaii.edu)

### **Position 2: PhD Position in the field of Hydraulics/River Engineering at the University of Hawaii University of Hawaii,**

Department of Civil and Environmental Engineering (CEE) and Water Resources Research Center (WRRC) the University of Hawai'i in Manoa seek a PhD student to work in the field of Hydraulics, River Engineering and Scour Around Bridge Piers. The research will be focused on artificial intelligence-based estimation of scour depth around bridge piers

**Duties:** Assist project leaders in field and laboratory data collection. Develop MATLAB codes and work with different software to estimate scour depth.

**Minimum Qualifications:** Master degree in hydraulics, river engineering, water resources or hydrology. Capabilities in MATLAB programming and a record of scientific publications. The successful candidate must have a strong interest in field work, and the ability to perform physical tasks associated with collecting samples. The appointment will be reviewed annually and renewed based upon performance and funding. Review of applications will begin immediately, and will proceed until the position is filled.

For more information, please contact Dr. Sayed Bateni (smbatani@hawaii.edu).