

From: Jason Knouft
Subject: Postdoctoral Position – Watershed Modeling (Climate Change)

Postdoctoral Research Associate – Watershed Hydrologic Modeling

A postdoctoral position in watershed hydrologic modeling is available in the lab of Dr. Jason Knouft in the Department of Biology at Saint Louis University. This two-year NSF-funded position focuses on developing contemporary and future climate change-based estimates of streamflow and water temperature in watersheds across the United States and Canada. The overall goal of the project is to develop the 'HydroClim' dataset, which will be integrated with biodiversity data to provide a widely available resource for researchers and water resource managers to investigate the potential impacts of climate change on freshwater resources and biodiversity. The successful candidate will be expected to develop GIS-based Soil & Water Assessment Tool (SWAT) hydrologic models on high-performance parallel computing systems. In addition to having experience with SWAT, applicants should have experience with programming languages such as R, Matlab, or Python as well as working in Linux. The postdoc will also be encouraged to develop independent lines of research and will have the opportunity to collaborate with biologists, hydrologists, and informatics specialists at Saint Louis University, Indiana University, and Tulane University. Additional information is available at https://urldefense.proofpoint.com/v2/url?u=http-3A__knouftlab.weebly.com_d=DwIF-g&c=Ngd-ta5yRysqeUsEDgxbqYs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihjzb2HxZT0AqoiLvxfeeTyN59ZLol&m=1aS4ucrfpns05VxX9j66SDRED1w76CA9yIRImSqmfUA&s=EHA1ujw3DqRqFmla12u04dfp1455voj4SSFdN-bSQk&e= and https://urldefense.proofpoint.com/v2/url?u=http-3A__www.hydroclim.org_d=DwIF-g&c=Ngd-ta5yRysqeUsEDgxbqYs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihjzb2HxZT0AqoiLvxfeeTyN59ZLol&m=1aS4ucrfpns05VxX9j66SDRED1w76CA9yIRImSqmfUA&s=1A7_7bUdekRjGKTJW0ETx4keARQxoGkhFajmaaY&e=

A Ph.D. in a related research field is required by the starting date of employment and experience with the SWAT model is preferred. The position is available for two years contingent upon satisfactory annual reviews. The earliest start date is January 1, 2018; however, a later start date through June 1, 2018 is negotiable. Applications must include a cover letter with a statement of research experience and interests, curriculum vitae, and contact information for three references. Please send versions of these files to Dr. Jason Knouft at jason.knouft@slu.edu. Review of applications will begin immediately and continue until the position is filled.