Interdisciplinary/Other

HYDROLOGY AND WATER RESOURCES MODELING/SOFTWARE ENGINEERING

The CI-WATER consortium, which consists of Brigham Young University, Utah State University, The University of Utah, and the University of Wyoming have a number of senior programming, post-doctoral researcher, and graduate student positions open for persons with interest and experience in large-scale and high-performance computational (HPC) hydrology and water resources modeling. CI-WATER is an NSF-funded, cyber-infrastructure project with a focus on hydrology (http://www.uwyo.edu/CI-WATER/) aimed at increasing access to HPC for hydrologic research and water resources management. Our project will have access to the 1.6 petaflop NCAR- Wyoming Supercomputer (http://nwsc.ucar.edu/) and close collaboration with the US Army Corps of Engineers, Engineering Research and Development Center and the NCAR Research Applications Laboratory.

We seek applicants for the following positions at the member universities:

Brigham Young University, Provo, Utah

- Two Ph.D. students
  Contact: Prof. Norm Jones (njones@byu.edu)

Utah State University, Logan, Utah

- Two Ph.D. students
  Contact: Prof. David Tarboton (dtarb@usu.edu)

University of Wyoming

- One senior programmer with significant HPC experience in fluid flow modeling using finite-element methods.
- Two post-doctoral research associates in hydrologic science and engineering
- One outreach coordinator (half time)
- Two Ph.D. students
  Contact: Prof. Fred L. Ogden (fogden@uwyo.edu)

The CI-WATER universities are located in the Rocky Mountains with ample recreational opportunities, (skiing, climbing, hiking, fishing, hunting, rafting, kayaking) and we encourage such activities.

The Consortium Universities are committed to diversity and endorse principles of affirmative action. We acknowledge that diversity enriches and sustains our scholarship and promotes equal access to our educational mission. We seek and welcome applications from individuals of all backgrounds, experiences, and perspectives.