

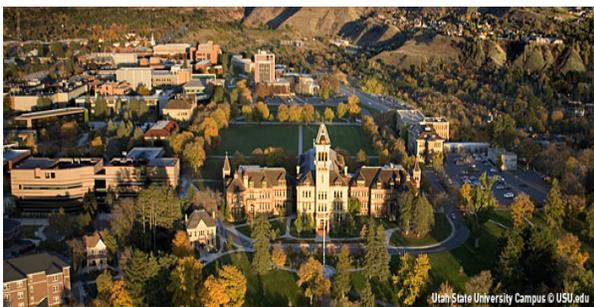


**Graduate Research Opportunity
Land Use and Land Cover Change and Regional Climate Modeling
Utah State University**

The Departments of Watershed Sciences and Plants, Soils, and Climate at Utah State University (USU) invite applications for a PhD-level graduate research assistantship in the studies of land use and land cover (LULC) change and regional climate modeling starting in Fall 2014. This assistantship opportunity is part of a multi-year, NSF-funded study aimed at understanding the sustainability of water resources in the urbanizing Wasatch Front (see www.iutahepsco.org for more information). It will specifically focus on the effects of LULC change on climate at local and regional scales. The doctoral student may earn their PhD through watershed or climate science doctoral programs, depending on their area of focus. Candidates with a background in atmospheric sciences, meteorology, climate, hydrology, remote sensing, computer science or a related field are strongly encouraged to apply. Good computer programming and English writing skills are required. Experience with regional climate or mesoscale weather modeling, such as running the Weather Research and Forecasting model or similar models, is preferred but not required.

The incumbent will be expected to work in an interdisciplinary, cross-institutional research team that includes researchers from USU, Brigham Young University, and University of Utah. Faculties from these institutions are likely committee members and potential co-advisors. Prospective students should contact Dr. Jiming Jin (Jiming.Jin@usu.edu) by email for further information about this opportunity and include a current resume and a statement of research interests.

USU is located in Logan, 85 miles north of Salt Lake City, in a community of 100,000. It is situated in beautiful Cache Valley, a semi-rural mountain basin offering ski resorts, lakes, rivers, and mountains. The Wasatch/Cache National Forest provides unlimited outdoor recreation year-round. Housing costs are lower than the national average, and there are diverse cultural opportunities. Northern Utah is a short trip from the most scenic National Parks in the USA, including Zion, Bryce Canyon, Canyonlands, Arches, Capitol Reef, GrandTeton, Great Basin, and Yellowstone.



Campus of Utah State University



Cache Valley, Utah