

M.S. or Ph.D. Position in the Nevada Mountain Ecohydrology Lab at The University of Nevada, Reno

The Nevada Mountain Ecohydrology Lab in the Natural Resources and Environmental Science Department at the University of Nevada, Reno is expecting to hire a qualified M.S. or Ph.D. student to start in Fall of 2015. Research in the lab group focuses on improving process-based understanding of snow-dominated watershed hydrology to advance resource management and model predictions. Projects typically integrate field and remote sensing observations with ecohydrological models. The specific research project will depend on the student's interests and skillset. Ongoing research interests include the linkages between snowpack processes and streamflow, quantifying streamflow generation processes using hydrological tracers and hydrometric measurements, applying LiDAR and satellite-based remote sensing products to scale-up in situ observations, and improving understanding of snow processes following disturbance and land use change. Most projects will focus on the Sierra Nevada and Great Basin Mountains. Students capable of working independently with a quantitative background are encouraged to apply. Training in physical hydrology, engineering, remote sensing, or environmental science is appropriate. Computer programming (e.g. Matlab, R, Python, etc.) and/or remote sensing and GIS experience is preferred. Students are also expected to be strong written and oral communicators. Ability to install and maintain field equipment (e.g. programming dataloggers, installing sensors, etc.) is a benefit. Many projects require the ability to work in remote areas and travel long distances over snow.

The University of Nevada is a Tier 1 research university with an excellent graduate program in hydrologic sciences (<http://www.hydro.unr.edu/home/>) that leverages resources at UNR and the Desert Research Institute. Reno is close to outdoor recreation (biking, skiing, climbing, river sports, and more) locally and in the nearby Sierra Nevada. Reno also has ample city activities (its the biggest little city for goodness sake!). Graduate student salaries are competitive and cost of living is relatively low. Please contact Dr. Adrian Harpold (aharpold@cabnr.unr.edu) with questions or send a CV and short letter of interest to apply.