

**Graduate Research Fellowship in Hydrologic Sciences or Geological Sciences
at Desert Research Institute and University of Nevada Reno
with focus on luminescence and processes in fluvial geomorphology**

A three year graduate research fellowship is available for a Ph.D. candidate in either Hydrologic or Geological Sciences at the University of Nevada, Reno beginning in the fall term of 2016. Research will focus on the intersection of optically stimulated luminescence (OSL) dating techniques, sediment transport, and hydrology under the direction of Amanda Keen-Zebert and Rina Schumer at the Desert Research Institute. One hypothesis the student will test is that bleaching of the luminescence signal in fluvial sediment is systematically related to the depositional context (discharge; distance travelled in a watershed or stream, etc.) such that an OSL bleaching statistic can be used as a paleoenvironmental proxy. The applicant should have a background in earth sciences with an undergraduate or graduate degree in geology, hydrology, physics, or associated field. Strong quantitative and laboratory skills are desired. Previous experience with luminescence would be beneficial, but is not required. The DRI Luminescence Laboratory (DRILL) is a fully equipped luminescence laboratory; for more information on capabilities and equipment, see <http://www.dri.edu/luminescence-lab>.

Financial support includes a monthly stipend; funds for field work, laboratory analyses, and conference travel; as well as a tuition waiver and health insurance. The appointment will initially be for three years, with a possibility of renewal. Candidates need to apply for graduate admission online (<http://www.unr.edu/grad/admissions>) and submit all application materials by **Jan 15** to be considered for acceptance into the Graduate Program of Hydrologic Sciences (<http://www.hydro.unr.edu/>) and by **Jan 1** for the Department of Geological Sciences and Engineering (<http://www.unr.edu/geology>).

For questions or additional details about the position, please contact Dr. Rina Schumer (rina@dri.edu) or Dr. Amanda Keen-Zebert (akz@dri.edu).