

## **PhD Position: Landscape responses to fire**

The Department of Earth and Environmental Science at Temple University seeks a motivated student interested in pursuing PhD (Geosciences). The research project will investigate the applicability of novel techniques – rare earth element tracers for wind erosion, and LiDAR (Ground-based & Unmanned Aerial Systems) for soil microtopography and vegetation structure – to monitor landscape responses to disturbances (fires). The project will involve a combination of extensive field experiments (in New Mexico) and laboratory analysis. The PhD position (Fall 2015) will be fully funded through research and teaching assistantships. The student will be advised by Sujith Ravi (Temple University, PA <https://sites.temple.edu/ravi/home/>) and will work in close collaboration with Joel Sankey (USGS, Southwest Biological Science Center, Flagstaff, AZ) and Junran Li (University of Tulsa, OK). Applicants must hold a Master degree or equivalent in geology, earth science or environmental sciences, with strong oral and written communication skills. Experience in geochemical analysis (e.g. ICP-MS) and geostatistics is preferred.

Temple University is a comprehensive public research university located in Philadelphia, PA. Temple University is a dynamic urban university with around 38,000 students and provides one of the nation's most comprehensive and diverse learning environments. More information about our department is available at <http://www.temple.edu/geology/>.

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