PhD Research Assistant and Postdoc Positions

The Hanigan Lab at the University of Nevada is looking to hire two PhD students and a postdoc starting in the Spring of 2019. Dr. David Hanigan joined the department in the Fall of 2016 and his research group focuses on water treatment, environmental chemistry, and analytical methods.

**Postdoc:** The postdoc will focus on developing new analytical methods for field-ready perfluorinated compound measurement. The position is funded by the Strategic Environmental Research and Development Program (DOD/EPA/DOE) and will be conducted in collaboration with Jacobs Engineering, Southern Nevada Water Authority, and several U.S. Air Force Bases.

The candidate should have strong problem solving and troubleshooting skills, and be eager to work with his/her hands daily to modify commercially available instrumentation. Leadership skills and an ability to work on more than one project are required as the postdoc will help to advise the PhD student associated with this project, as well as five other graduate students in the Hanigan Lab.

The start date is flexible and salary commensurate with experience. Benefits are included. The appointment will be for 1 year with the possibility of annual renewal.

**PhD:** The student will develop new analytical methods for field-ready perfluorinated compound measurement and conduct research on their persistence in the environment. The research assistant position is funded by the Strategic Environmental Research and Development Program (DOD/EPA/DOE) and the student will collaborate with Jacobs Engineering, Southern Nevada Water Authority, and several U.S. Air Force Bases. A background in environmental engineering or analytical chemistry will be viewed favorably.

**PhD:** The student will investigate formation of disinfection by-products and their precursors in reclaimed wastewater for indirect potable reuse. The research assistant position is funded by the National Science Foundation and is a collaboration with Washoe County Community Services, Orange County Water District and CU-Boulder. A background in environmental engineering or chemistry and experience with mass spectrometry will be viewed favorably.

Students and postdocs will be encouraged to present at national conferences and publish results in peer-reviewed journals. More information about the research team can be found at http://www.dhanigan.com. Prospective applicants should email GRE, TOEFL (if non-native English speaker), and CV to DHanigan@UNR.edu.
About the Campus: The University of Nevada, Reno is an urban campus located approximately 4 hours by car north-east of San Francisco. Reno (pop. 500,000, elev. 4,500’) is in the rain shadow of the Sierra Nevada Mountains which provides the city with >300 days of sunshine per year. Lake Tahoe and world class skiing are approximately 35 miles from downtown. Annual enrollment is 22,000 students. Both Civil and Environmental Engineering are nationally ranked in the top 100 (#43, #75, respectively).