

## **Postdoctoral opportunity in hydro-environmental modeling of Andean basins, University of Chile**

The *Departments of Civil Engineering and Mining Engineering at University of Chile* (Santiago de Chile) are seeking an outstanding **hydrogeologist** to apply to a Postdoctoral fellowship call to be opened on April 16th by CONICYT, the Chilean agency for science and technology. This is a competitive national call open to both national and international scientists.

The research to be developed will advance basic knowledge on hydro-environmental processes in glacierized Andean basins in the extra-tropical Andes Cordillera, including but not limited to rock weathering, isotopic fractionation, unsaturated and saturated flow in fractured rock systems, and the like, exploring the interaction between the above and hydrological processes. The successful applicant will perform both field studies in alpine basins (to obtain the needed hydrochemical and hydrological data from glaciers, moraines and rivers) and modeling lab sessions, and is expected to work in a multidisciplinary setting. Requirements include a Ph.D. in Geosciences, Civil Engineering, or related areas by April 2015, strong organizational, quantitative data analysis and English language writing skills. Proficiency in Spanish is not required but the selected candidate is expected to acquire fluency in Spanish during the 3-year postdoc. Proven experience in hydrochemical, hydraulic and/or hydrologic modeling is a requisite.

Opportunities will be also provided for involvement in additional projects within the Civil Engineering and the Mining Engineering Departments, as well as mentoring undergraduate and/or graduate students and co-teaching.

Expected terms for this position are: 3 years beginning November 1<sup>st</sup>, 2016; net annual salary = 18,000,000 pesos (approx. 25,000 US\$); accommodation in the new country (flight, housing, ...) = 3,000,000 pesos (approx. 4,500 US\$); annual health insurance= 415,800 (approx. 600US\$) and associated research money for the post-doc = 4,500,000 pesos (approx. 6,500 US\$) per year.

Applications should be submitted by email as a single pdf to Dr. James McPhee ([jmcphee@ing.uchile.cl](mailto:jmcphee@ing.uchile.cl)) and Dr. Manuel Caraballo ([mcaraballo@ing.uchile.cl](mailto:mcaraballo@ing.uchile.cl)), including: (1) a concise curriculum vitae, (2) a publication list, (3) a statement describing past research experience and interests (no more than 1 page), and (4) the names and contact information of a minimum of three individuals who can provide a letter of reference. Application dead line for the national call is expected by May 26<sup>th</sup>, so interested candidates must contact Dr. James McPhee and Dr. Manuel Caraballo as soon as possible.