

# Postdoctoral Research Positions in Geotechnical Engineering/ Engineering Geology

## 2<sup>nd</sup> CALL 2018

The State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP), Chengdu University of Technology, Chengdu, Sichuan, China, is seeking several full-time Postdoctoral Research Fellows to join the laboratory research groups on rock and soil mechanics. The posts are fixed-term for 24 months, with possibility of renewal up to three years, starting as soon as possible thereafter.

### **We are looking for the following research profile:**

#### **Experimental soil and rock mechanics.**

The ideal candidate should have a sound theoretical knowledge of soil and/or rock mechanics, and research experience, in particular, in different kinds of standard and advanced laboratory testing. The successful candidate is expected to understand the failure mechanism and dynamic process of different types of mass movements, to be able to work with constitutive models, and to be able to plan, execute, and interpret the appropriate types of laboratory tests. Experience in developing non-standard, advanced tests, also through the modification of existing devices and the design and construction of new devices constitutes an asset. Understanding of field testing and familiarity with numerical modelling complete the profile.

#### **General requirements**

The candidates should hold (or be near the completion of) a relevant PhD/DPhil, along with appropriate experience. Researchers whose expertise matches more than one profile are especially encouraged to apply. Researchers currently working in fields outside engineering geology and soil mechanics, or with experience in the industry, but with strong skills in one of the required research focuses, are equally encouraged to apply. Please note that the working language is English. Hence, proficiency in English language is expected. The candidates are also expected to have very good communication and scientific writing skills, independent thinking and creativity.

#### **Other information**

The research fellows will be recruited at the professor grade, with an annual salary of 180,000 RMB before taxes. An apartment in the university with 50m<sup>2</sup> will be provided with very low rent (1200 RMB per year). The SKLGP will provide assistance for Visa and other administrative procedures, prior to and upon arrival. A supervisor will be assigned to each fellow. The SKLGP will organize introductory seminars and activities to integrate the fellows into the existing research teams of the laboratory, which already hosts postdoctoral researchers, visiting students and visiting professors from various continents.

Informal inquiries on the advertised posts may be addressed to: Prof. Hu Wei, [huwei1999@126.com](mailto:huwei1999@126.com)

To apply for the post, you are required to provide a covering letter, including a brief statement of your research interests, specifying for which profile you are applying and describing how your past experience and future plans fit with the advertised position, a detailed CV and list of publications, and contact information for two references. If you have obtained your PhD within the last three years, as well as if you have not obtained your PhD yet, one reference must be that of your PhD supervisor. The applications must be sent via email to Ms. Li Liyan at [sklgp\\_cdut@126.com](mailto:sklgp_cdut@126.com).

**Review of candidates will begin on 1st October 2018.** Applications will be accepted until the positions are filled.

#### **The SKLGP**

The State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP), Chengdu University of Technology, located in Chengdu, Sichuan Province, Southwest China, is a world-class institute and China's only national-level laboratory focusing on geohazard prevention, engineering geology and geotechnology. SKLGP has very advanced instruments and equipment with a total value of about 1.2 billion RMB, which could fully support all kinds of geohazard and geotechnical research, including on-site and laboratory tests, monitoring, geotechnical parameter tests, physical and numerical modelling systems, GIS and RS analysis systems etc. In the past five years, the SKLGP

has been in charge of 810 international, national and provincial research projects, receiving research grants of 6.6 billion RMB in total. Through the implementation of the research projects, excellent results have been achieved: 3 first prizes and 2 second prizes of National Science and Technology Progress Award, 1 prize of China International Science and Technology Cooperation Award, 1 prize of Gold Medal of National Patent Achievement. SKLGP has 78 regular staff, 31 of whom are professors with the average age of only 41 years old. This young but talented team has published more than 50 monographs and 1326 papers, including a number of papers on high-ranking international ISI journals, such as Nature Geosciences. The research results have been presented in more than 60 conferences, including 35 keynote speeches and invited presentations. Through leading in international projects and organization of a series of international conferences, the foundation of the International Research Association on Large Landslides (iRALL), and the organization of international post-graduate students training courses (LARAM-ASIA, iRALL school), the SKLGP has played an important role in the international collaboration between China and other countries. We have established long-term and stable academic relationship with universities and research institutions from more than 20 countries. For general information about SKLGP, please visit [www.sklgp.com](http://www.sklgp.com).