

IRALL SCHOOL 2016
17TH-28TH OCTOBER 2016
CHENGDU, CHINA



iRALL School 2016

“Field data collection, monitoring and modelling of large landslides”

17th-28th October 2016, Chengdu, China

“iRALL” The International Research Association on Large Landslides, is an international non-governmental, non-political, non-profit-making and unaffiliated institution for the promotion of knowledge about large landslides founded on 11th November 2015. The scientific committee consists of international experts in the field of large landslides. The secretariat of iRALL is located at the State Key laboratory of Geohazard prevention and Geo-environmental Protection (SKLGP), Chengdu University of Technology, Chengdu, China.

The objectives of iRALL are to promote:

- Cooperation and exchange of knowledge among scientists and engineers working on large landslides
- The dissemination of scientific knowledge of large landslides
- The mitigation of risks associated with large landslides and their consequences

iRALL offers annually a 2 weeks high-level course, the **“iRALL School”**, focusing on investigation, analysis, and management of large landslides for Ph.D students and postdocs from all over the world, with international experts on the research of large landslides as teaching staff.

The iRALL School 2016 focuses on “Field data collection, monitoring and modelling of large landslides” and will be organized from 17th-28th October 2016, in Chengdu, China

Hosting Institution for the iRALL School 2016

State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP) of the Chengdu University of Technology (CDUT), Chengdu, Prov. Sichuan, China. CDUT has excellent facilities, including lecture rooms, computer rooms, laboratories, and a guesthouse. The second week of the program will be conducted out in the the new conference center in nearby New Beichuan area where 60 000 landslides were generated during the 2008 Wenchuan earthquake.

Topics and lecturers of the 2016 iRALL School:

First week (October 17 to 22) Lectures, workshops and laboratory model testing presented at SKLGP. Participants will be accommodated at the guest house of CDUT

Prof. Niek Rengers (University of Twente, the Netherlands): *Scientific writing*

Prof. Gonghui Wang, Prof. Mauri McSaveney: *Strong-motion seismology and the occurrence of large landslides. Topography, rock-mass defects and cyclic strong-motion effects*

Prof. Gonghui Wang (Kyoto University, Japan), Prof. Mauri McSaveney (GNS Science, New Zealand), and Prof. Wei Hu (SKLGP, CDUT): *Initiation mechanisms and motion of large landslides (Theory and laboratory experiments)*

Prof. Cees van Westen (ITC, University of Twente, the Netherlands) and Prof. Xuanmei Fan (SKLGP, CDUT): *Principles of hazard and risk assessment*

Prof. Theo van Asch (Utrecht University, the Netherlands): *Numerical modeling of rock avalanches, debris flows and large landslides*

Prof. Hengxing Lan (Institute of Geographic Sciences and Natural Resources Research, CAS): *Rock Failure Mechanism and Rockfall Process Modeling*

Prof. Xu Qiang (SKLGP, CDUT): *Monitoring of large landslides and demonstration of equipment (with field trip on Saturday October 22 to Kualiangzi landslide, a large, still lively 70 year old landslide)*

Second week (October 23 to 28) Lectures/seminars and field work. Participants are accommodated in a new conference center in New Beichuan city (close to the large landslides of the devastating 2008 Wenchuan earthquake)

Prof. Mauri Mcsaveney, Prof. Gonghui Wang and Prof. Wei Hu: *Initiation and movement of large landslides. Field study to assess the risks from large rock avalanches. Why is hazard assessment not enough?*

Prof. Cees van Westen, Prof. Xuanmei Fan, and Dr. Xiujun Dong (SKLGP, CDUT): *Landslide mapping and field data collection (including use of drones), cascading effects of large landslides*

Prof. Janusz Wasowski (CNR-IRPI (National Research Council - Research Institute for Geo-hydrological Protection), Bari, Italy): *Toward better exploitation of satellite multi-temporal interferometry in large landslide hazard research*

Prof. Hans-Balder Havenith (University of Liege, Belgium): *Geophysical data collection and monitoring for large landslides*

Applications and registration:

The iRALL School is intended for 20 Ph.D students that are carrying out research in the field of landslide hazards, risks and related fields and a maximum of 10 postdocs who have obtained their Ph.D degree not earlier than 2010. The participants should have a solid background in one of the following fields: Geology, Engineering Geology, Geotechnical Engineering, Geography, Civil Engineering, Environmental Engineering, Engineering Geology or related Earth science disciplines. Participants must have a good working knowledge of the English language as the iRALL School will be conducted in English.

The costs for participants of the iRALL School of 2016 are as follows:

- No registration fee.
- The Ph.D students will have to pay their own travel to Chengdu, China. Cost of accommodation and field trips will be fully covered by the organizing institute SKLGP.
- The 10 postdocs will have to pay their own travel to Chengdu, China. They will also have to pay the cost of accommodation (sharing twin rooms) during two weeks (which will be an estimated total amount of 230 US \$ or 200 Euro.) Cost of field trips will be fully covered by the organizing institute SKLGP

Applications of PhD students and postdocs:

The school is open to 20 Ph.D students and 10 postdocs, which will be selected through an international call. Applications should be made by sending an application form and by providing a CV (max 2 pages) and 1 or more letters of recommendation.

The deadline for applications is August 1st, 2016 and selection of participants will be announced by August 15th, 2016. For information, you can send an email to sklgp_cdut@126.com