MEGE 2018

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May 11 - 16, 2018
Chengdu, China

2018 the 5th International Symposium on Mega Earthquake Induced Geo-disasters and Long-term Effects

Hosted by

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MEGE 2018

2018 The 5th International Symposium on

Mega Earthquake Induced Geo-disasters and Long-term Effects

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To mark the 10th anniversary of

the 2008 Wenchuan Mega Earthquake

About MEGE 2018

Ten years ago, a devastating earthquake occurred in Sichuan Province, China, causing the death of almost 90,000 people and widespread damage to urban and rural communities, deeply affecting the economy of the region. The earthquake triggered tens of thousands of landslides over a large area, and rainstorms in the years after the earthquake re-activated many of them, triggering debris flows from their deposits. Even though strategies for geo-hazards assessment and risk management have been implemented to reduce the long-term disaster-chain effects from the earthquake, 10 years on, the Wenchuan region still is threatened by various geo-hazards in the aftermath of the earthquake. Spatial and temporal trends in these threats raise international awareness and concerns about the issues of long-term disaster-chain effects in hazard and risk reduction.

Global trends of climate change, environmental destruction and explosive population growth are further increasing the frequency and impact of geo-hazards. There is urgent international need for opportunities to exchange up-to-date knowledge on the nature of geo-hazards and on risk-reduction techniques, among researchers, engineers and decision makers at national, regional and local levels. Chengdu University of Technology, through the State Key Laboratory of Geo-hazard Prevention and Geo-environment Protection (SKLGP) has been pro-active in promoting such exchanges. We have hosted five successful international symposia to date in memory of the earthquake victims. These are the “Asian Regional Conference of IAEG” in 2009, “The International Symposium on Earthquake-induced Landslides and Disaster Mitigation at the 3rd Anniversary of the Wenchuan Earthquake” in 2011; “The International Symposium in Commemoration of the 5th Anniversary of the 2008 Wenchuan Earthquake: Long-term Geo-hazard and Risk Consequences of Areas Struck by High Magnitude Earthquakes” in 2013; and the “4th International Symposium on Mega-earthquake-induced Geo-disasters and Long-term Effects” in 2015. Building on these experiences and their social benefits the 10th anniversary of the 2008 Wenchuan mega-earthquake, Chengdu University of Technology through SKLGP will host “The 5th International Symposium on Mega-earthquake-induced Geo-disasters and Long-term Effects” in May 2018 in memory of the many victims. It will provide opportunity to present and exchange international knowledge and experience on the occurrence of geo-hazards in areas struck by mega-earthquakes and their long-term effects.

Main Topics

The 2018 symposium will focus on building community resilience to dangerous earth-surface processes and geo-hazards in mega-earthquake areas, including:

1. Advances in research on the triggering and development of co-seismic landslides and debris flows
2. Long-term initiation and evolution of landslide and debris-flow hazards
3. Post-earthquake monitoring and analysis for hazard early warning and design of mitigation measures
4. Susceptibility, hazard, and risk assessment for rehabilitation and land-use planning in earthquake-struck areas
5. Resilience to earthquake-induced landslide risk
6. Geological disaster risk and engineering construction in meizoseismal area

Hosted by

State Key Laboratory of Geo-hazard Prevention and Geo-environment Protection

Chinese Society for Rock Mechanics and Engineering

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ENGEO IAEG China National Group

Society for Rock Mechanics and Engineering of Sichuan Province

Collaborative Innovation Center of Geo-hazard Prevention

International Research Association on Large Landslides

Hong Kong Chemical, Biological & Environmental Engineering Society

Young Education & Consultancy Co., Ltd.

Academic Committee:

Chairperson:

Dr.Runqiu HUANG, State Key Laboratory of Geohazards Prevention and Geoenvironmental protection, China

Members:

Dr. Alexander STROM, Geodynamics Research Center, JSC "Hydroproject Institute", Moscow, Russia

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Dr. Reginald HERMANNS, Norwegian Geotechnical Institute, Norway

Dr. Shenwu SONG, Power China, Chengdu Engineering Corporation Limited, China

Dr. Steve G. EVANS, Waterloo University, Canada

Dr. Thomas GLADE, University of Vienna, Austria

Dr. Tim DAVIES, University of Canterbury, New Zealand

Dr. Xingmin MENG, Lanzhou University, China

Dr. Yongshuang ZHANG, Chinese Academy of Geological Sciences, China

Dr. Yueping YIN, Center of Geo-Hazards Emergency, Ministry of Land Resources, China

Mr. William SCHULZ, U.S. Geological Survey, USA

Organizing Committee

Chairperson:

Dr.Qiang XU, Chengdu University of Technology, China

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Dr. Janusz WASOWSKI, National Research Council of Italy (CNR), Bari, Italy

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Dr. Chuan TANG, Chengdu University of Technology, China
Dr. Xiangjun PEI, Chengdu University of Technology, China
Dr. Yunsheng WANG, Chengdu University of Technology, China
Dr. Yubin SHI, Society for Rock Mechanics and Engineering of Sichuan Province, China
Dr. Wei HU, Chinese Society for Rock Mechanics and Engineering, China

Keynote and Invited Speakers

Runqiu Huang

Ministry of Environmental Protection of the People's Republic of China, China

The Wenchuan Earthquake Chain of Geohazards: A Decade of Research and Challenges

Mauri McSaveney

GNS Science, New Zealand

An Update on the Hot Topic of Long-Runout Rock Avalanches

Peng Cui

Institute of Mountain Hazards and Environment, CAS, China

Initiation Mechanism and Risk Assessment of Flash Flood and Debris Flow Disaster

Micheal Jaboyedoff

University Of Lausanne, Switzerland

How to Assess Large Landslide Hazard and the Importance of Their Indirect Induced Hazard

Toshi Shimamoto

Shimamoto Earth & Environment Laboratory Ltd., Japan

Chengdu Experimental System for Comprehensive Landslide Studies: Research Plans and Constitutions of Apparatuses

Giovanni Crosta

Universit à degli Studi di Milano-Bicocca, Italy

Analysis of Controlling Factors on Co-Seismic Landslide Size

Yueping Yin

China Institute of Geo-Environment Monitoring ,China

The June 2017 Maoxian Landslide: Geological Disaster in an Earthquake Area After the Wenchuan Ms 8.0 Earthquake

Steven G. Evans

University of Waterloo, Canada

Ikuo Towhata

University of Tokyo, Japan

Long-term Instability of Slopes along Major Seismic Faults

Joshua West

University of Southern California, USA

The Sedimentary System Response to the Wenchuan Landslide Event

William Murphy

University of Leeds, UK

The Role of Event Sequencing in Understanding Large Scale Rock Slope Failure during Strong Earthquakes

Niels Hovius

GFZ German Research Center for Geosciences, Germany

Geomorphic Transients after Large Earthquakes

Cees van Westen

ITC, University of Twente, the Netherlands

Where to Build-Back-Better? Analyzing Changing Risk for Post-disaster Reconstruction Planning"

Masahiro Chigira

Kyoto University, Japan

Landslides Induced by the 2016 Kumamoto Earthquake and Its Application to Future Earthquake-Induced Landslides

David Frost

Georgia Institute of Technology, USA

Filippo Catani

University of Firenze, Italy

Olivier Korup

University of Potsdam, Germany

Theo van Asch

Utrecht University, the Netherlands

Flume Experiments and Modelling of Entrainment by Debris Flows

Hans-Balder Havenith

University of Li ège, Belgium

Seismic VS. Climatic Origin of Large Rockslides

Vincenzo Del Gaudio

The university of Bari, Italy

Drawing Knowledge from Ambient Noise: Challenges for Ground Dynamic Response Investigations

Chyi-Tyi Lee

National Central University, Taiwan, China

A Review and Perspectives on the Methodology of Landslide Hazard Analysis

Jia-jyun Dong

National Central University, Taiwan, China

Weak Layer Strength on Sliding Surface of Deep-Seated Landslide under Different Shear Velocity

Gonghui Wang

Kyoto University, Japan

Estimation of Ground Motion for Slope Instability during Earthquake and Experimental Validation

Kerry McSaveney

Wellington Region Emergency Management Office, New Zealand

Beyond the Thin Blue Line – Community Input into Readiness and Response

Simon Cox

GNS Science, New Zealand.

Earthquake-induced Fluid Pressure Changes and the Hydrological Response in Landslides

Tristram Hales

Cardiff University, UK

Understand Risk Through an Earthquake Hazard Chain

Chuan Tang

State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP) ,China

Giant Debris Flow Hazards and Mitigation in The Wenchuan Earthquake

Xuanmei Fan

State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP) ,China

Evolution of Geohazards and Consequent Risk after the 2008 Wenchuan Earthquake

More Speakers to be Added…

Language

The official language for all presentations is English.

The symposium will include oral presentations, poster sessions and a field excursion.

Program Overview:

Date	AM	PM	Evening
May 11	Arrival & registration		
May 12	Opening addresses and technical sessions	Technical sessions	Banquet
May 13	Technical sessions	Technical sessions	Dinner
May 14	Technical sessions	Technical sessions	Farewell dinner
May 15	Field excursion to Maoxian and Diexi (for the huge paeleolandslide dams and recent landslides)		
May 16	Field excursion (reconstruction after the Wenchuan earthquake, Hongchun gully, Niujuan Gully and Qipan Gully)		

Important dates

Long Astract Submission Deadline:	April 15th, 2018
Early-bird Registration Deadline	April 20th, 2018
Registration Deadline:	May 1st, 2018
Symposium Date:	May 11th -14th, 2018
Field Excursion:	May 15th -16th, 2018

Venue

Auditorium of SKLGP in Chengdu University of Technology (CDUT), Chengdu, China

CDUT main campus is located in eastern Chengdu at No.1 Erxianqiao East Rd. The distance from Chengdu International Airport to the campus is 35 km and from Chengdu North Railway Station is 5 km. If you go by taxi, it will cost you about 90RMB from Chengdu International Airport and 15RMB from Chengdu North Railway Station.

Campus Map:

Submission

Only extended abstracts are needed.

- **Template**

  Please visit http://mege.net/submission.html to download the abstract template. Please strictly adhere to the template for the layout of your abstract.

- **Submission Method**

  Please send your submission in .doc format by email to: mege@young.ac.cn

- **Page Requirement**

  Each abstract should have at least 2 pages and not more than 4 pages including figures, tables, and references.

- **Special issue in the international journal of "Engineering Geology"**

  There will be a special issue related to this conference in the international journal "Engineering Geology". The guest editor will invite selected authors to submit a full paper to this special issue from the extended abstracts of the conference.

Fees

Author Registration:

Early-bird Registration rate: USD$250 (CNY ¥1700)

Regular Registration Rate: USD $280 (CNY ¥1900)

Fee includes: Participation in the technical program, meals and coffee breaks during the conference, badge, conference bag and conference accessories, conference documents (Program book, and certificate).

Student or Accompanying Person Registration:

Early-bird Registration rate: USD$150 (CNY ¥1000)

Regular Registration Rate: USD $180 (CNY ¥1200)

Fee includes: Auditing technical program, meals and coffee breaks during the conference, badge, conference bag and conference accessories, conference documents (Program book, and certificate).

Two-days field excursion:

USD$200 (CNY¥1350)

Fee includes: tour guide, meals, transportation. Accommodation is not included.

NOTICE: Please follow the instruction on the registration form to pay the fees.

Contact

To register for the conference and for news about the conference, please visit:

http://www.mege.net/

For any question or inquiry regarding to the conference, please contact:

Mr. Yutao Zhang
Conference Secretary
Email: mege@young.ac.cn
Tel: (+86) 028-86528465

Mrs. Liyan Li
SKLPG Secretary
Email: sklgp2014@126.com
Tel: (+86) 028- 84073193