The 2\textsuperscript{nd} Badong International Geohazards Symposium (BIGS2019)

--- Prevention and Control of Reservoir Geohazards and Ecological Environmental Protection

(2\textsuperscript{nd} Bulletin)

Organizers

Department of Geosciences, National Natural Science Foundation of China
China University of Geosciences
People's Government of Badong County, Hubei Province
Three Gorges Research Center for Geohazards, Ministry of Education

Co- Organizer

China Three Gorges University

Partners:

Hubei Association for Science & Technology
K.C. Wong Education Foundation
Shanghai Huace Navigation Technology Ltd.
Changsha Yituo Sensing Technology Ltd.

24- 25 August 2019

Badong. Three Gorges. China

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei,P.R. China
Background

The 2nd Badong International Geohazards Symposium (BIGS2019) will be held in Badong County in the Three Gorges Reservoir Area, Hubei Province, China on August 24-25, 2019. BIGS2019 is organized by the National Natural Science Foundation of China, Department of Geosciences, China University of Geosciences, People's Government of Badong County, Hubei Province and Three Gorges Research Center for Geohazards, Ministry of Education, co-organized by the China Three Gorges University. The two-days symposium will consist of academic speeches, posters presentation and field trips. Academic speeches include keynote speeches (30 minutes), invited speeches (20 minutes speech and 5 minutes free discussion), and parallel sessions presentations (20 minutes speech and 5 minutes free discussion). Poster presentation will be exhibited according to the topics. The poster requires one or two 750mm×1000mm layout. The investigation objects of field trips include typical geological hazards in the Three Gorges Reservoir Area, the Badong field test site of China University of Geosciences (Wuhan), the Wu Gorge and the Shennong River.

Symposium Date and Venue

Symposium date: 24-25 August, 2019
Symposium venue: Dongshengjiuzhou International Hotel, Badong County, Hubei Province
Address: 132 Yanjiang Avenue, Badong County, Hubei Province
Tel: 0718-5028888

Important Dates

First announcement (1st Bulletin of Symposium): November 29, 2018

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China
Second announcement (2nd Bulletin of Symposium): July 12, 2019

Deadline for registration receipt: July 31, 2019

Deadline for poster and abstract submission: July 31, 2019

Check-in and on-site registration: August 23, 2019

Symposium: August 24-25, 2019

Symposium Organizer

Scientific Advisory Committee

Sijing Wang  Peng Cui  Xinqiang Niu  Runqiu Huang  Scott Burns
Robert E. Criss  Yanping Shan  Rafig Azzam
Jean-Alain Fleurisson Tamuene  Kingdom Siemon ABAM
Bo-An Jang  Doug Johnson  D. Jean Hutchinson
Norberto Jorge Bejerman  Vassilis Marinos  Eugene A. Voznesensky

Scientific Committee

Chair:  Huiming Tang

Co-chair:  Jianbing Peng  Charng Hsein Juang  Yueping Yin
Kyoji Sassa  Faquan Wu  Jiajun Dong  Bin Shi
Resat Ulusay

Members:

Abdul Shakoor  Baosong Ma  Bo Yu
Carlos Carranza-Torres  Carlos Delgado  Changyan Chen
Chaosheng Tang  Chunan Tang  Cuiying Zhou
Enzhi Wang  Ez Eldin M. A. Mutasim  Farrokh Nadim
Fawu Wang  Fuan Si  Giorgio Lollino
Giovanni Crosta  Guang Wu  Guosheng Jiang
Haibo Li  Handong Liu  Hengxing Lan

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China
## Badong International Geohazards Symposium

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hua Long</td>
<td>Huizhong Li</td>
<td>Ian Moore</td>
</tr>
<tr>
<td>Janusz Wasowski</td>
<td>Jeffrey R Keaton</td>
<td>Jiading Wang</td>
</tr>
<tr>
<td>Jian Yang</td>
<td>Jianxin Hua</td>
<td>Keqiang He</td>
</tr>
<tr>
<td>Kiril Angelov</td>
<td>Kunlong Yin</td>
<td>Kurosch Thuro</td>
</tr>
<tr>
<td>Louis van Rooy</td>
<td>Maosheng Zhang</td>
<td>Maria Heloisa Barros de</td>
</tr>
<tr>
<td>Mark Eggers</td>
<td>Masahiro Chigira</td>
<td>Mauri McSaveney</td>
</tr>
<tr>
<td>Michel Jaboyedoff</td>
<td>Minghai Feng</td>
<td>Murat Karakus</td>
</tr>
<tr>
<td>Nengxiong Xu</td>
<td>Ngai Yuen Wong</td>
<td>Qiang Xu</td>
</tr>
<tr>
<td>Qing Wang</td>
<td>Quansheng Liu</td>
<td>Randall Jibson</td>
</tr>
<tr>
<td>Ren Wang</td>
<td>Robert E. Criss</td>
<td>Ruijin Hu</td>
</tr>
<tr>
<td>Saibal Ghosh</td>
<td>Shangde Xiao</td>
<td>Shengwen Qi</td>
</tr>
<tr>
<td>Shishu Zhang</td>
<td>Shiva P. Pudasaini</td>
<td>Shutao Yang</td>
</tr>
<tr>
<td>Siqing Qin</td>
<td>Theo van Asch</td>
<td>Tianbin Li</td>
</tr>
<tr>
<td>Tom Dijkstra</td>
<td>Vicki Moon</td>
<td>Wanghua Sui</td>
</tr>
<tr>
<td>Wei Wu</td>
<td>Wei Xiang</td>
<td>Weimin Ye</td>
</tr>
<tr>
<td>Wen Fan</td>
<td>Wenbin Jian</td>
<td>Wenneng Zhou</td>
</tr>
<tr>
<td>Wenping Li</td>
<td>Wenwu Chen</td>
<td>Xianchang Ling</td>
</tr>
<tr>
<td>Xiao Li</td>
<td>Xiaoqing Chen</td>
<td>Xiewen Hu</td>
</tr>
<tr>
<td>Xinli Hu</td>
<td>Yangqing Xu</td>
<td>Yanjun Shang</td>
</tr>
<tr>
<td>Yaojun Cai</td>
<td>Yogendra Deva</td>
<td>Yonggang Jia</td>
</tr>
<tr>
<td>Yongshuang Zhang</td>
<td>Yu Huang</td>
<td>Yu Liu</td>
</tr>
<tr>
<td>Zhenming Shi</td>
<td>Zhifang Zhou</td>
<td>Zhiye Zhao</td>
</tr>
<tr>
<td>Zhongqi Yue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Organizing Committee

**Chair:** Huiming Tang  Yanping Shan  
**Co-chair:** Ling Guo  Aijun Su  Guowei Wang  Yuyong Jiao  

*Web: [http://www.bigscug.org](http://www.bigscug.org)*  
*No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China*
Members:
Yamin Deng  Yiqun Gan  Songlin Gong
Wenping Gong  Shenfu He  Zhijun Hou
Shenghong Hu  Jinbo Huang  Yanni Huang
Yunan Li  Changdong Li  Jianfei Pi
Caidong Qian  Weifu Teng  Aimin Tian
Yang Wang  Liangqing Wang  Yiping Wu
Jincheng Xiao  Chengren Xiong  Siping Xu
Echuan Yan  Hongming Yu  Wei Zhang
Wei Zhang  Hanwen Zhou

Secretariat

Secretary General: Hanwen Zhou
Deputy Secretary General: Weifu Teng  Xiuchao Deng  Xiulin Zhang

Symposium contents

Invited speeches

Abdul Shakoor (Kent State University, US): To be confirmed
Bo-An Jang (Kangwon National University, Korea): Evaluation and classification of slope condition and stability using the slope code system
Carlos Carranza-Torres (University of Minnesota, Duluth Campus, US): Analysis of mechanical stability of slopes. Compact representations of factor of safety and similarity of failure surfaces
Farrokh Nadim (Norwegian Geotechnical Institute, Norway): Risk assessment and stress testing concepts for improved safety of large dams
Jia-Jyun Dong (National Central University, Taiwan ROC): Predicting river

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China
blockage, early identifying the dam forming, and rapidly evaluating the hazards of landslide dam – A Review

**Kiril Anguelov** (University of Transport “Todor Kableshkov”, Sofia, Bulgaria): Engineering Geological Process which cause accident on dam walls

**Kurosch Thuro** (Technical University of Munich, Germany): To be confirmed

**Masahiro Chigira** (Kyoto University, Japan): To be confirmed

**Mauri McSaveney** (GNS Science, New Zealand): What caused the 1991 landslide disaster at Touzhai village, Zhaotong, Yunnan: a geomorphic appraisal of the residual landslide risk.

**Michel Jaboyedoff** (University of Lausanne, Switzerland): To be confirmed

**Murat Karakus** (The University of Adelaide, Australia): To be confirmed

**Mutasim Adam Mohamed Ez Eldin** (Saudi Geological Survey, Kingdom of Saudi Arabia): To be confirmed

**Rafig Azzam** (RWTH AACHEN University, Germany): To be confirmed

**Robert E Criss** (Washington University in St. Louis, US): Hydrogeologic Controls of the Huangtupo Landslide, Three Gorges Reservoir Region, China

**Shiva P. Pudasaini** (University of Bonn, Germany): A Multi-mechanical, multi-phase mass flow model –A new paradigm in simulating complex cascading mass flows

**Tamunoene Kingdom Simeon Abam** (River State University, Nigeria): To be confirmed

**Theo van Asch** (Utrecht University, The Netherlands): Unravelling the effect of a two-layer system on the mobility of rapid gravitational flows

**Vicki Moon** (The University of Waikato, New Zealand): Solid Earth tides as contributors to landslide triggering

**Zhiye Zhao** (Nanyang Technological University, Singapore): Water seepage control and grouting of rock cavern, a case study.

* To be continue…
Abstracts and Special Issue in Engineering Geology

All accepted abstracts will be published in the Booklet of Abstracts. The excellent abstracts submitted to this symposium will be selected for organizing a special issue in Engineering Geology, “Prevention and Mitigation of Geohazards in the Reservoir Area – A Modern Perspective”. The proposal for this special issue has already approved by the editors-in-chief and editorial office of Engineering Geology; and, the online submission website of this special issue will be open in February of 2020.

Poster Presentation

Each attendee can provide 1 or 2 750mm×1000mm size posters. The texts and figures should be presented in English. The display content of the posters should be related to the flowing conference topics.

◆ Hypergenic geological process and evolution of geohazards
◆ Monitoring and early warning of geohazards
◆ Technologies of geohazards Prevention and Control
◆ Research and development of geohazards equipment
◆ Big data and artificial intelligence in geohazards
◆ Geohazards prevention and control harmonious development of ecological environment

The attendees intending to present posters are required to register on the conference website and submit the abstract online, and then sent the posters (.jpg or .pdf) files to the conference email address (bigs@cug.edu.cn). Please note the personal informations of the attendees in the email.

The BIGS2019 sets up “Poster Awards” for young graduates students, including 3 first prizes (1,000 RMB each); 5 second prizes (800 RMB each); 10 third prizes (500 RMB each). The winners will be awarded bonus and official certificates.
Field Trips

Route 1: Dongshengjiuzhou Hotel (main venue) — Baoding Yangtz River Bridge — Shijiapo landslide: The route exhibits the general situation of geohazards in the Three Gorges Reservoir Area, and the prevention history of Shijiapo landslide.

Route 2: Dongshengjiuzhou Hotel (main venue) — Yanjiang Road — Huangtupo Landslide (Badong field test site): The route exhibits the Huangtupo landslide, as well as the prevention, monitoring and research history, and the multi-tunnel system, in-situ experiments and monitoring condition of the Badong field test site.

Route 3: Dongshengjiuzhou Hotel (main venue) — Shennong River (By boat): The route exhibits the valley and karst geomorphology in the Shennong River, the boat tracker exhibition hall and the Tujia minority culture show.

Route 4: Dongshengjiuzhou Hotel (main venue) — Wu Gorge (By boat): The route exhibits the geomorphology and geological environment of Wu Gorge, and the construction situation of new Badong county.

Symposium Schedules

The schedule of the symposium is shown in the table below.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.23</td>
<td>8:00-22:00</td>
<td>Registering</td>
</tr>
<tr>
<td>8.24</td>
<td>8:00-8:30</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td></td>
<td>8:30-12:00</td>
<td>keynote speeches</td>
</tr>
<tr>
<td></td>
<td>12:00-13:00</td>
<td>Lunch</td>
</tr>
<tr>
<td></td>
<td>14:30-17:30</td>
<td>Field trip</td>
</tr>
</tbody>
</table>
Badong International Geohazards Symposium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-12:00</td>
<td>Field trip</td>
</tr>
<tr>
<td>12:00-13:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>14:30-17:30</td>
<td>Invited speeches</td>
</tr>
<tr>
<td>17:30-18:00</td>
<td>Closing ceremony</td>
</tr>
<tr>
<td>18:00-20:00</td>
<td>Dinner</td>
</tr>
</tbody>
</table>

Note: The Specific Report arrangement and poster exhibition can be seen in the further announcement.

### Conference Fee and Payment

Except the invited experts, please register online and pay the conference fee by bank transfer according to the instructions in website before 24:00 of July 31, 2019. Otherwise you will not be able to get discounts.

#### Registration Fee:

<table>
<thead>
<tr>
<th>Registration Category</th>
<th>Before 24:00 of July 31, 2019</th>
<th>After 00:00 of August 1, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Registration</td>
<td>1200 RMB</td>
<td>1400 RMB</td>
</tr>
<tr>
<td>Student Registration</td>
<td>600 RMB</td>
<td>700 RMB</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>600 RMB</td>
<td>700 RMB</td>
</tr>
</tbody>
</table>

* The travelling expenses for field trip transportation, meals and documents are covered by the conference fee. **Note that the accommodation fee is excluded.**

Web: [http://www.bigscug.org](http://www.bigscug.org)
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China
**Traffic and Accommodation**

Volunteers will be settled in Badong railway station, East Yichang railway station and Yichang Sanxia Airport for guiding the traffic on August 23. Following three routes are recommended.

1. **From Badong railway station to Dongshengjiuzhou Hotel**
   
   The organizers provide free shuttle bus at the Badong railway station from 8:00 pm to 18:00 on August 23. The attendees, who intend to take the pick-up shuttles, please inform the arrival time and number of people by Email (bigs@cug.edu.cn).

2. **From East Yichang railway station to Dongshengjiuzhou Hotel**
   
   Leave the railway terminal and walk to the Yichang coach-bus central (5 minutes walk). Purchase the ticket for the coach-bus from Yichang to Badong (90 RMB per person, every 60 min one bus during the time 6:50 to 19:00) and take off the coach-bus in the front of the Dongshengjiuzhou hotel 3 hours after departure.

3. **From Yichang Three Gorges Airport to Dongshengjiuzhou Hotel**
   
   Take the airport shuttle bus or taxi to the Yichang coach-bus central and then take the coach-bus referring to route (2).

The main conference venue is Dongshengjiuzhou hotel and nearby hotels. Dongshengjiuzhou hotel has two room types, Deluxe Business Room (300RMB /day) and Executive Room (150RMB/day). If you need to book the room of the Dongshengjiuzhou hotel, please contact the organizer by Email or telephone. The price of hotels near the main venue is about 120~160/day. The attendees may also book the accommodation by them yourself through internet.
Badong International Geohazards Symposium

Registration Location

Registration Time: August 23, 2019

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei, P.R. China
Contacts

WeChat Official Account for BIGS:

Hanwen Zhou  (Conference information)
Cell phone: (+86) 13607196969  Tel: (+86) 02767884553

Jing-e Wang  (Field trips information)
Cell phone: (+86) 13163270621  Tel: (+86) 02767885197

Shu Zhang  (Abstracts and poster submission)
Cell phone: (+86) 13476013923  Tel: (+86) 02767884006

Junqi Liu  (transportation and accommodation information)
Cell phone: (+86) 18971170950  Tel: (+86) 02767884006

E-mail: bigs@cug.edu.cn
Three Gorges Research Center for Geohazard, Ministry of Education
China University of geosciences
388 Lumo Road, Wuhan, Hongshan district, Hubei
Postcode: 430074

Committee of BIGS 2019
July 12, 2019

Web: http://www.bigscug.org
No.388 Lumo Road, Hongshan, Wuhan 430074, Hubei,P.R. China