



The 1st Bulletin & Call for
Extended Abstracts

The 3rd International

Symposium on Multi-Scale Geomechanics and Geo-engineering (MSGG-Tongji 2016)

Theme: Challenges and latest developments for
multi-scale and multi-physical geomechanics and
geoengineering

November 9-13, 2016,

Shanghai, China

www.msggtongji2016.org

Jointly organized by



LABORATOIRE
de MECANIQUE
de LILLE
URA CNRS 1441



PREFACE

Current developments in geomechanics and geoengineering are motivated by many theoretically- and technically-challenging applications such as construction activities in difficult grounds, disposal of nuclear waste and unconventional energy extraction. In recognition that most of the observed complexity of geotechnical problems emerges at different length scales, it appears crucial for the geotechnical community to develop multi-scale approaches to provide reliable solutions to the aforementioned issues. Therefore, great efforts have been devoted over the past decades to advance the development of theoretical concepts, computational methodologies and experimental techniques and to conduct detailed examinations of well-documented field cases at different length scales.

The Multi-Scale Geomechanics and Geo-engineering (MSGG) symposium series serves as a specialized forum to discuss and exchange knowledge pertinent to the most recent theoretical, experimental, computational and practical advancements in geomechanics and geoengineering and to inspire explorations on the wide open and unexplored horizons from a multi-scale perspective.

The first two symposia were held in Nanjing (2013) and in Wuhan (2014). The attendees of



these two events were mostly young Chinese researchers who have made a part of their study or career abroad. To bring together researchers from more diverse backgrounds and to enhance international collaboration, the 3rd Symposium on Multi-Scale Geomechanics and Geo-engineering is planned to be an international conference and will be held at Tongji University, Shanghai, China in November 11-13, 2016.

This international symposium will be jointly organized by Tongji University, Chinese Society for Rock Mechanics and Engineering and Université des Sciences et Technologie de Lille 1. The organizers are very pleased to hold this event and would like to invite researchers and practitioners worldwide to present, share and cooperate in MSGG-Tongji 2016.

TOPICS

- Advanced testing on soil and rock like materials at different length scales
- Laboratory/field investigation of multi-physical processes
- Multi-scale constitutive modelling of soil and rock like materials
- Multi-scale numerical modelling of damage, failure and instability in materials and structures
- Innovative applications to various engineering (civil, hydraulic, mining, petroleum, nuclear industries...)



SUBMISSION & PUBLICATION

The working language will be English. An extended abstract should be submitted through the conference website. The requirements and the “Word” template for extended abstract are available at the conference website.

All extended abstract will be reviewed. Notification of acceptance will be released before Aug. 31, 2016. The content and quality of the research will be stringently assessed by the scientific committee based on the extended abstract and the oral presentation at the conference. An extended version of selected abstracts will be recommended to publish in the following journals:

- 《*European Journal of Environmental and Civil Engineering*》 (SCI)
- 《*Journal of Rock Mechanics and Geotechnical Engineering*》
- 《*Underground Space*》
- 《*Water Science and Water Engineering*》 (EI), etc.

SYMPOSIUM VENUE

Sino-French Center at Siping Road Campus (main campus) of Tongji University

Organization

Co-Chairs

Prof Jianfu, Shao, Université des Sciences et Technologie de Lille 1, France
 Prof Xiongyao Xie, Tongji University, China
 Prof Qizhi Zhu, Hohai University, China

International Scientific Committee

Prof José E. Andrade, California Institute of Technology, USA
 Dr Hanbing Bian, Université des Sciences et Technologies de Lille 1, France
 Dr Qiushi Chen, Clemson University, USA
 Prof Yujun Cui, École des Ponts ParisTech, France
 Prof Luc Dormieux, Laboratory Navier, France
 Prof Richard Finno, Northwestern University, USA
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 Dr Kevin J Hanley, University of Edinburgh, UK
 Prof Jie Han, University of Kansas, USA
 Prof Haiying Huang, Georgia Institute of Technology, USA
 Prof Bo-An Jang, Kangwon National University, Korea
 Prof Mingjing Jiang, Tongji University, China
 Pro Yujing Jiang, Nagasaki University, Japan
 Prof Woody Ju, University of California, USA
 Prof Djimédo Kondo, University of Pierre and Marie Curie, France
 Dr Chung-yeek Kwok, University of Hong Kong, China

Prof Peng Lin, Tsinghua University, China

Prof Dariusz Lydzba, Technical University of Wrocław, Poland

Prof Francois Nicot, Institute IRSTEA, France

Dr Catherine O’Sullivan, Imperial College, UK

Prof Huck-Jin Park, Sejong University, Korea

Prof Stanislaw Pietruszczak, McMaster University, Canada

Prof Sheng Qian, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, China

Dr Kostas Senetakis, University of New South Wales, Australia

Prof Yong-Seok Seo, Chungbuk National University, Korea

Prof Jianfu Shao, Université des Sciences et Technologie de Lille 1, France

Prof Isam Shahrouh, Université des Sciences et Technologies de Lille 1, France

Prof Daichao Sheng, University of Newcastle, UK

Dr Thomas Shire, Imperial College, UK

Prof Wei Wu, Institut für Geotechnik, Austria

Prof Scott Sloan, University of Newcastle, Australia

Prof Xiongyao Xie, Tongji University, China

Prof Weimin Ye, Tongji University, China

Prof Zhongqi Yue, The University of Hong Kong, China

Prof Feng Zhang, Nagoya Institute of Technology, Japan

Prof Zixin Zhang, Tongji University, China

Dr Jidong Zhao, Hong Kong University of Science and Technology, China

Prof Chuangbing, Zhou, Nanchang University, China

KEY DATES

Deadline of Abstract Submission:	July 31, 2016
Notification of Accept/Revision:	Aug. 31, 2016
Revised Abstract Submission:	Sept. 20, 2016
Early Bird Registration:	Sept. 30, 2016
Onsite Registration:	Nov. 9, 2016
Symposium & Meetings:	Nov. 10-12, 2016
Site Visit:	Nov. 13, 2016

REGISTRATION

Registration can be done online through the symposium website.

Early bird (prior to Sept. 30, 2016)

- Delegate: USD \$500 (RMB ¥3000)
- Accompanying person & student: USD \$250 (RMB ¥1500)

Regular

- Delegate: USD \$550 (RMB ¥3500)
- Accompanying person & student: USD \$300 (RMB ¥2000)
- Additional banquet ticket USD\$75(RMB¥500)
(The fees cover symposium and meeting participation, reception, banquet, lunches, coffee breaks, and dinners.)

If you need a formal invitation letter for visa application, please contact us: msgg2016@hotmail.com.

CONTACT US

Secretary General

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ACCOMMODATION

There are many excellent hotels close to the main campus of Tongji University. We recommend the following hotels to conference delegates. Both are within 10 minutes' walk to the symposium venue, and close to the Tongji University Station of Metro Line 10. Please contact the hotels to make your own reservation at your earliest convenience.

- Kingswell Hotel Tongji (4 star), 50 Zhangwu Road
Tel: +86-21-51801133
Email: junxin@kingswellhotels.com
- Jinjiang Metropolo Hotel (3 star), 1251 Siping Road
Tel: +86-400-6886-687
- Tongji Guest House (3 star), 69 Zhangwu Road
Tel: +86-21-31266838

Reservation can be made by directly contacting the hotels or through Ctrip at http://english.ctrip.com/#from=click_en

TRANSPORTATION

For international delegates, please note that there are two international airports in Shanghai:

- *Hongqiao International Airport*
Tongji University can be directly reached by Metro Line 10 in 50 mins, which will only cost you RMB ¥6. You can also take a taxi at the station, which will take you to the campus in 50 mins at a cost of RMB ¥90-100.
- *Pudong International Airport*

You can take Metro Line 2 at the airport and transfer to Metro Line 10 at East Nanjing Road Station (about RMB ¥7 one-way and about 90 mins). Taxi from the airport will cost you RMB ¥150-160 (about 50 mins) and may cost you up to RMB ¥180 (over 1 h) during the rush hours.

For domestic delegates, if you travel by trains, you may arrive at the following three stations:

- *Hongqiao Railway Station*
The most convenient way is to take Metro Line 10 directly from the station to Tongji University. (RMB ¥6)
- *Shanghai Railway Station*
You can take Metro Line 4 at the station and transfer to Line 10 at Hailun Road Station. (RMB ¥4 one-way and 30 mins travel). Alternatively, you can take a taxi which will take you to the campus within 20 mins (about RMB ¥30).
- *Shanghai South Railway Station*
You can take Metro Line 3 and transfer to Metro Line 10 at Hongqiao Road Station. Taxi will take you to the campus in 50 mins at a cost of RMB ¥ 70-80.

More transportation information can be found at the following website.

<http://www.exploreshanghai.com/metro/>

We are very looking forward to seeing you in Shanghai!