

岩土力學國際學術會議暨  
第十四次全國岩石力學與工程學術大會國際分會

International Geotechnics Symposium cum  
International Meeting of CSRME 14<sup>th</sup> Biennial National Congress

# Welcome Address

**Qi-hu Qian**

Co-Chairman of the International Scientific Committee

President of Chinese Society for Rock Mechanics and Engineering (CSRME)

Fellow of Chinese Academy of Engineering

Professor of State Key Laboratory of Disaster Prevention & Mitigation of Explosion & Impact, Nanjing, China

**December 15, 2016, Hong Kong, China**

# Introduction

- ❑ In recent years, many disastrous rock and soil failures have occurred around the world including China.
- ❑ These disasters have revealed various issues and much room for improvement in conventional theories of geo-mechanics and geo-sciences, as well as techniques in geo-engineering.
- ❑ Therefore, the CSRME has decided to extend the 14<sup>th</sup> Biennial National Congress to the international geotechnical and geoscience communities.



2014 Oso Disaster  
from Wikipedia





**中国岩石力学与工程学会**

Chinese Society for Rock Mechanics and Engineering

- ❑ The Chinese Society for Rock Mechanics and Engineering (CSRME) was established in 1985.
- ❑ CSRME aims at promoting activities related to the studies of the physical and mechanical behavior of rocks and soils for better and safer geotechnical design and construction.
- ❑ At present, CSRME has more than 10,000 individual members.
- ❑ It has organized more than 400 symposiums or conferences including the 12<sup>th</sup> Congress of International Society for Rock Mechanics in 2011.
- ❑ We have just completed the CSRME's 14th Biennial National Congress from December 11 to 14 in the city of Guangzhou, China
- ❑ Now with great pleasure, we are opening this International Geotechnics Symposium cum International Meeting of CSRME 14th Biennial National Congress from today to Saturday in the main campus of The University of Hong Kong (HKU).



香 港 大 學

THE UNIVERSITY OF HONG KONG

**We chose The University of Hong Kong as the co-organizer and venue of this International Symposium and Meeting, because of the following two facts.**

The first, established in 1911, HKU presents over one hundred years of excellence in teaching and research in Hong Kong.



First Hon. L.L.D.  
Zhan Tian-yu  
Jeme Tien Yow  
第一位榮譽博士  
詹天佑  
in 1916



Dr. SUN Yatsen  
孫中山博士  
in 1923 at HKU



Oct. 1, 2016

The second, Hong Kong has acted as a bridge between Mainland China and the international communities for many decades and

the next year will be the 20<sup>th</sup> Anniversary of Hong Kong's Return to China in 1997.



# **Theme of Symposium and Meeting**

## **Theme**

the Causes, Mechanisms and Prevention of  
Disastrous Soil & Rock Failures

## **It Covers Four Subjects**

Rock Cavern and Tunnel Engineering

Slope Stability and Landslides

Geo-environmental Mechanics and Engineering

Mechanism of Soil and Rock Failures

# Contents of Technical Programme

- 1) Under the theme, we have invited eleven world-renowned experts to deliver keynote lectures.
- 2) Based on the submitted abstracts, 22 authors are invited to deliver theme lectures and
- 3) 44 authors are invited to give oral presentations.
- 4) We have arranged a post-technical site visit.
- 5) We have arranged seven plenary sessions and five parallel sessions.
- 6) In particular, one plenary session is specially organized in Celebration of the 70<sup>th</sup> Birthday of Professor Maurice B. Dusseault by his students,
- 7) and one parallel session is designated for the Best Paper Award Competition for Young Researchers under the age of 35.



# The Eleven Keynote Speakers Including



**Professor Herbert Einstein**



**Professor Nick Barton**



**Professor Qihu Qian**



**Professor A. Patrick S. Selvadurai**



**Univ. Prof. Dr.-Ing. habil.  
Theodoros Triantafyllidis**



**Professor Gen-hua Shi**

# The Eleven Keynote Speakers Including



**Professor Xia-ting Feng**



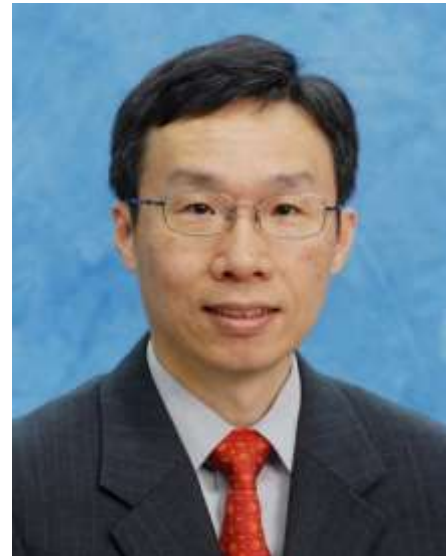
**Professor Manchao He**



**Professor Maurice B. Dusseault**



**Professor Jianlin Li**



**Ir H.N. Wong**



# The 22 Theme Speakers Including



**Dr. Jun Yang**

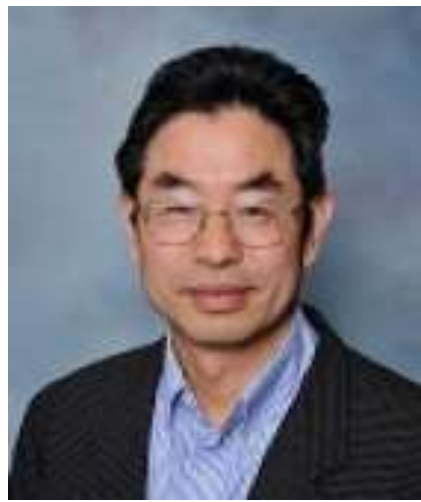
Department of Civil  
Engineering, The University  
of Hong Kong, China



**Professor Chunan Tang**  
CRISR, Dalian University of  
Technology, Dalian, China



**Professor Jianfu Shao**  
Laboratory of Mechanics of Lille,  
University of Lille, Villeneuve  
d'Ascq, France



**Professor Er-nian Pan**  
Department of Civil  
Engineering, University of  
Akron, OH, USA



**Professor Feng Zhang**  
Department of Civil  
Engineering, Nagoya  
Institute of Technology,  
Nagoya, Japan

# The 22 Theme Speakers Including



**Professor Lin-bing Wang**  
Virginia Tech.



**Professor Xing-min Meng**  
Lanzhou University



**Professor Yang Ju**  
China University of Mining &  
Technology, Beijing



**Professor Wei-guo Liang**  
Taiyuan University of  
Technology



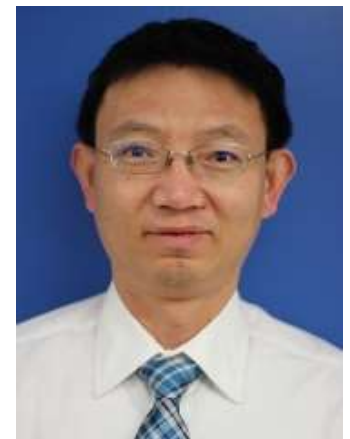
**Professor Chang-fu Wei**  
Institute of Rock and Soil  
Mechanics



**Professor Lansheng Wang**  
Chengdu University of Technology



**Professor Qin-yong Ma**  
Anhui University of Science and  
Technology



**Dr. Jian Deng**  
Lakehead University

# Technical Site Visit on December 17, 2017 (Saturday)

**HONG KONG – ZHUHAI – MACAO BRIDGE (HZMB)**

**HONG KONG BOUNDARY CROSSING FACILITIES – RECLAMATION WORKS**

**CONTRACT No. HY/2010/02**



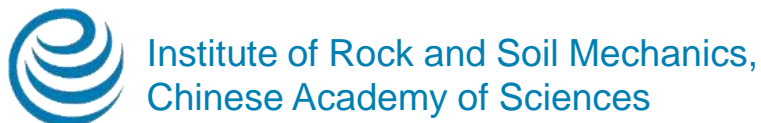
Po Lin Monastery and Giant Buddha for Country Parks





# Acknowledgements

- ✓ We would like to acknowledge the generous financial supports from
  - (1) Institute of Rock and Soil Mechanics of Chinese Academy of Sciences
  - (2) China Three Gorges University.
- ✓ Also we would like to acknowledge the in-kind supports from
  - (3) Geotechnical Division of Hong Kong Institution of Engineers
  - (4) Hong Kong Geotechnical Society and
  - (5) China Harbour Engineering Co., Ltd. for the technical visit.



# Acknowledgements (continued)

## International Scientific Committee

Name	City	Name	City	Name	City
Prof. C. F. Lee (Co-Chair)	Hong Kong	Prof. G. W. Ma	Crawley	Ir. H. N. Wong	Hong Kong
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Prof. J. Chu	Singapore	Prof. L. Rothenburg	Waterloo	Prof. S. D. Yin	Laramie
Prof. M. R. Coop	Hong Kong	Prof. J. F. Shao	Lille	Prof. Y. P. Yin	Beijing
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Prof. X. T. Feng	Wuhan	Prof. G. H. Shi	San Francisco	Prof. Z. Q. Yue	Hong Kong
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Prof. M. C. He	Beijing	Prof. H. M. Tang	Wuhan	Prof. J. M. Zhang	Beijing
Prof. R. Q. Huang	Chengdu	Prof. Th. Triantafyllidis	Karlsruhe	Prof. B. X. Zheng	Guangzhou
Prof. L. Jing	Stockholm	Prof. F. W. Wang	Matsue	Prof. H. Zheng	Wuhan
Prof. J. L. Li	Yichang	Prof. G. H. Wang	Kyoto	Prof. Y. R. Zheng	Chongqing
Prof. A.M. Lin	Kyoto	Prof. L. B. Wang	Blacksburg	Prof. H. H. Zhu	Shanghai
Prof. J. Liu	Crawley	Prof. M. Y. Wang	Nanjing	<b>56</b>	<b>38</b>

✓ We would like to acknowledge the advices and supports from 56 members of International Scientific Committee from 38 cities around the world.



# Acknowledgements (continued)

## Executive Organizing Committee

Professor H. Cao	South China University of Technology
Dr. Andy Y. F. Leung	The Hong Kong Polytechnic University
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Professor L.M. Zhang	HKUST
Professor X.Q. Zhong	Guangdong Foundation Engineering Group Co. Ltd.

**Secretariat and Student Helpers from  
Department of Civil Engineering, HKU**

# Welcome You and Thank You !

We are looking forward to the fruitful discussion and exchange of the new ideas and successful experiences among the delegates and speakers from more than 73 organizations and 42 cities in Canada, China, France, Germany, Japan, Singapore, UK, and USA.

