



# 2<sup>nd</sup> GEOSS – MGS GEOTECHNICAL CONFERENCE 2023

(A geotechnical collaboration between Singapore & Malaysia)



30 NOV – 2 DEC 2023



Singapore Thomson-East Coast Line - Gardens by the Bay Station - Construction Stage - photo by Arup and Lim Weixiang

## ISSMGE PRESIDENTIAL LECTURES



**Dr Marc Ballouz**  
President  
ISSMGE



**Prof Keh-Jian Shou**  
VP Asia  
ISSMGE

## KEYNOTE SPEAKERS



**Prof Yong Kwet Yew**  
National University of Singapore  
Singapore



**Dr Goh Kok Hun**  
Urban Redevelopment Authority  
Singapore



**Mr Chang Kin Boon**  
Land Transport Authority  
Singapore



**Dr Toh Cheng Teik**  
Dr Toh Associates Sdn Bhd  
Malaysia



**Dr Ooi Lean Hock**  
Gamuda Engineering  
Australia



**Ir Liew Shaw Shong**  
G&P Geotechnics Sdn Bhd  
Malaysia

## ISSMGE BRIGHT SPARK LECTURES



**Mr Lee Long Guang**  
One Smart Engineering Pte Ltd  
Singapore



**Dr Chia Weng Boon**  
Gamuda Engineering Sdn Bhd  
Malaysia

The Second GeoSS-MGS conference will bring together geotechnical engineers and researchers from Singapore, Malaysia, and other countries to interact on the pressing issue of sustainable urban development. Over 50 abstracts have been received covering topics of latest geotechnical knowledge, design and construction techniques, quality, safety, and technological advancements. The President and Vice-President Asia of ISSMGE have kindly accepted the invitation to attend the event and deliver their respective Presidential Lectures. Six renowned geotechnical experts will deliver keynote lectures and two promising young engineers will deliver ISSMGE Bright Spark Lectures.

The conference presents an ideal platform for participants to exchange knowledge and lessons learned, building upon the success of the previous conference. The event promises to provide valuable insights and contribute to the advancement of sustainable urban development in Malaysia, Singapore, and beyond. With the strong support by sponsors and exhibitors, the conference registration fee is kept low and affordable to enable geotechnical personnel to attend this important event.

## CONFERENCE VENUE

**MAX Atria**

Address :  
1 Expo Drive, #02-01, Singapore 486150

Jointly Organized by

**Geotechnical Society of Singapore (GeoSS) & Malaysian Geotechnical Society (MGS)**



Member Societies of International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)

Website | [www.geoss-mgs-conference.com](http://www.geoss-mgs-conference.com)  
Enquiries | [geoss.mgs.conference@gmail.com](mailto:geoss.mgs.conference@gmail.com)



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### TENTATIVE PROGRAMME OUTLINE

#### Day 1 : 30 Nov 2023

1000	Opening Address	
1020	ISSMGE Presidential Lecture – Dr Marc Ballouz <i>Geotechnical Marriage between Theory &amp; Practice</i>	
1105	Keynote Lecture 1 – Prof Yong Kwet Yew <i>Impact of Climate Change on Coastal Infrastructure</i>	
1150	Bright Spark Lecture 1 – Dr Chia Weng Boon <i>Deep Excavation in Weathered Quartz – A Case History of an Underground Station Construction in Kuala Lumpur</i>	
1220	Lunch	
1320	ISSMGE Vice Presidential Lecture – Prof Keh-Jian Shou <i>On the Landslide Hazard with the Consideration of Climate Change</i>	
1405	Keynote Lecture 2 – Ir Liew Shaw Shong <i>Types and Impacts of Debris Flow Failure in Tropical Hilly Terrain and Development Areas and Its Practical Rehabilitation Solutions</i>	
1450	Bright Spark Lecture 2 – Mr Lee Long Guang <i>Mitigating Risk of Impact to Existing Structures due to Urban Pipe Jacking</i>	
1520	Tea Break	
1550	Parallel Session Excavations and Retaining Structures	Parallel Session Soil Characterization and Properties
1800	End of Day 1	

#### Day 2 : 1 Dec 2023

Programme is subjected to changes

0900	Keynote Lecture 3 – Mr Chang Kin Boon <i>Overview of Singapore's Rail Construction and Tunnelling Projects</i>	
0945	Keynote Lecture 4 – Dr Toh Cheng Teik <i>Bored Piles in Tropical Soils and Rocks; A Data Base Approach to Design</i>	
1030	Tea Break	
1100	Parallel Session Shallow and Deep Foundations	Parallel Session Soil Characterization and Properties
1230	Lunch	
1330	Keynote Lecture 5 – Dr Ooi Lean Hock <i>Case History of an Underground Cross over Structure in Complex Geological Conditions</i>	
1415	Keynote Lecture 6 – Dr Goh Kok Hun <i>Planning for the Underground in Singapore</i>	
1500	Tea Break	
1515	Parallel Session Shallow and Deep Foundations	Parallel Session Ground Improvement and Stabilization
1700	End of Day 2	

Programme is subjected to changes

#### Day 3 : 2 Dec 2023

A technical visit to the construction site of the Johor Bahru – Singapore Rapid Transit System (RTS) Link project at Woodlands North in Singapore will be arranged. Scheduled to complete by end 2026, the RTS Link will be a rail shuttle service between the Singapore terminus at Woodlands North station and the Malaysia terminus at Bukit Chagar station in Johor Bahru, and will enhance connectivity between Singapore and Johor Bahru and help ease congestion along the Causeway. The ongoing works include construction of RTS Link Woodlands North station, tunnels, viaduct, and the Customs, Immigration and Quarantine (CIQ) building.

### REGISTRATION FEES

Category	Early Bird Rate Ends on 30 Sep 2023	Regular Rate Ends on 30 Nov 2023
GeoSS / MGS Members	SGD 288	SGD 338
Non-members	SGD 348	SGD 398
Full-time Students	SGD 148	SGD 198
Presenting Authors (One author per paper)	SGD 268 Register by 15 Sep 2023	

### REGISTER NOW

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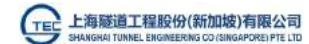
#### Tea Break



#### Gold



#### USB



#### Silver



#### Exhibitors



#### Advertiser



#### Lunch



### OFFICIAL HOTEL INFORMATION

#### Capri By Fraser Changi City Hotel

#### Address :

3 Changi Business Park Central 1, Singapore 486037

For more details, please refer to the website.

Website | [www.geoss-mgs-conference.com](http://www.geoss-mgs-conference.com)

Enquiries | [geoss.mgs.conference@gmail.com](mailto:geoss.mgs.conference@gmail.com)