

International Symposium on Reclamations Using Local Dredged Sediments

Co-organisers:

The Hong Kong Institution of Engineers - Geotechnical Division (HKIE-GD)
The Hong Kong Polytechnic University - Department of Civil and Environmental
Engineering (PolyU-CEE)

Supporting Organisations:

ASCE Greater China Section
Hong Kong Geotechnical Society
Research Institute for Land and Space (RILS) of PolyU
Research Institute for Sustainable Urban Development (RISUD) of PolyU

Date: 26 January 2024

Time: 08:00 to 17:30

Venue: Chiang Chen Studio Theatre, PolyU, Hong Kong, China

Symposium Organising Committee

HKIE-GD: Ir Dr Gavin, Seng Huat TOH (Co-Chair), Ir Dr Siew Wei LEE, Ir Clifford, Wing Cheung PHUNG, Ir Warren, Huaren DOU, Ir Carmen, Wan Chi LAU.

PolyU: Prof. Jian-hua YIN (Co-Chair), Dr Andy, Y.F. LEUNG (**Secretary-General**), Prof. Zhenyu YIN, Dr Chao ZHOU, Dr Kevin, Kai LIU (Secretary), and Dr Elvis, Peichen WU (Secretary).

Contact

Secretary-General: Dr Andy, Y.F. LEUNG (email: andy.yf.leung@polyu.edu.hk)
Secretary: Dr Kevin, Kai LIU (email: kai-kevin.liu@polyu.edu.hk)
Dr Elvis, Peichen WU (email: elvis.wu@polyu.edu.hk)

Main Purpose:

The main purpose of the symposium is to create a platform for local practitioners to interact with international, mainland, and local experts on the reclamation technologies and to share experience and knowledge for more sustainable solutions for marine reclamation in Hong Kong.

Keynote Speakers:



Professor Jian CHU
Chair of School of Civil and Environmental Engineering, President's Chair in Civil Engineering, Nanyang Technological University, Singapore



Mr Zhi-Liang DONG
Executive Director of CCCC Fourth Harbour Engineering Research Institute Co. Ltd. Vice-President of Guangdong Geo-mechanics and Engineering Society, China



Professor Yuan-Qian CAI
President of Zhejiang University of Technology, Vice Chairman of the Zhejiang Association for Science and Technology, Associate Editor of Canadian Geotechnical Journal, Vice Chairman of the Geoenvironmental Engineering Division of the Chinese Society for Rock Mechanics and Engineering, China



Professor Gang ZHENG
Vice-President of Tianjin University, Vice Chairman of Soil Mechanics and Geotechnical Engineering Division of China, Civil Engineering Society, and Vice Chairman of Foundation Division of Architectural Society of China



Mr Qing-Bo ZHANG
Director of CCCC Dredging National Engineering Research Center, China



Professor Yoichi WATABE
Professor, Division of Civil Engineering, Hokkaido University, Japan

Invited Speakers



Ir Dr Siew Wei LEE
Executive Director of
AECOM and Deputy
Chairman of HKIE-GD,
Hong Kong, China



Professor Hannah Wan-Huan ZHOU
Head of Department of Civil and
Environmental Engineering and
Associated Dean of Faculty of Science
and Technology, University of Macau,
Macau, China



Professor Wen-Bo CHEN
Professor, College of Civil
and Transportation
Engineering, Shenzhen
University, China



Professor Chuan-Gang FAN
Professor, Anhui University of
Technology, China
Member of the Expert Committee of China
Environmental Protection Federation



Ir Dr Damen LEE
Hong Kong, China



Professor Jian-Hua YIN
Chair Professor, Department
of Civil and Environmental
Engineering, PolyU, Hong
Kong, China

Session Chairs

Ir Dr Gavin, Seng Huat TOH (Chairman, HKIE-GD; Deputy GM, Lambeth Associates Ltd.)

Prof Dr Jian-Hua Yin (Chair Professor, CEE, PolyU)

Other sessions chairs to be confirmed

Symposium Programme

08:00-08:30	Registration
Opening Session Co-Chairs: Ir Dr Gavin TOH Seng Huat (HKIE-GD) Prof Jian-Hua YIN (PolyU-CEE)	
08:30-08:45	Opening Welcoming Speeches Professor Christopher CHAO Vice-President for Research & Innovation (VPRI), PolyU Professor Xiang-Dong LI Dean of Faculty of Construction and Environment (FCE), PolyU
08:45-09:15	Guest of Honor Speech Ir Dr Raymond Cheung Head of GEO, CEDD
Technical Session 1 Session Chair: To be confirmed	
09:15-09:45	Keynote Speech 1 Prof. Jian CHU Chair of School of Civil and Environmental Engineering, President's Chair in Civil Engineering, Nanyang Technological University, Singapore Topic: Singapore Experience with Land Reclamation Using Dredged Sediments 25 mins for the talk and 5 mins for Q&A
09:45-10:15	Keynote Speech 2 (in Mandarin with English words) Mr Zhi-Liang DONG Vice-President of Guangdong Geo-mechanics and Engineering Society and Executive Director of CCCC Sihang Engineering Research Institute Co. Ltd., China Topic: 中國吹填超軟弱土地基礎處理技術研究與進展 Research and Development of Technologies for Improving Hydraulic Filled Extra Soft Soils 25 mins for the talk and 5 mins for Q&A
10:15-10:35	Coffee Break
Technical Session 2 Session Chair: To be confirmed	
10:35-11:05	Keynote Speech 3 Prof. Yuan-Qiang CAI President of Zhejiang University of Technology, China Topic: Consolidation Mechanism and High-efficiency Treatment Technology for Vacuum Preloading of Dredged Slurry and Applications 25 mins for the talk and 5 mins for Q&A
11:05-11:30	Invited Talk 1 Ir Dr Siew Wei LEE Executive Director of AECOM and Deputy Chair of HKIE-GD, Hong Kong Topic: Past and Current Practices in Marine Reclamations in Hong Kong and Challenges ahead 20 mins for the talk and 5 mins for Q&A
11:30-12:00	Keynote Speech 4 Prof. Gang ZHENG Vice-President of Tianjin University, China Topic: Research and Practice of Treatment Technologies on Dredged and Blowing-filled Marine Soils in Tianjin Binhai District 25 mins for the talk and 5 mins for Q&A
12:00-13:30	Lunch Break (lunch provided for speakers, invited guests, organising committee only)
Technical Session 3 Session Chair: To be confirmed	

13:30-14:00	Keynote Speech 5 Prof. Yoichi WATABE Professor, Division of Civil Engineering, Hokkaido University, Japan Topic: Effective Use of Dredged Soils in Coastal Development in Japan 25 mins for the talk and 5 mins for Q&A
14:00-14:25	Invited Talk 2 Prof. Hannah, Wan-Huan ZHOU Head of Department of Civil and Environmental Engineering and Associated Dean of Faculty of Science and Technology, University of Macau, Macau Topic: Unveiling the History of Land Reclamation in Macau and Representative Engineering Projects 20 mins for the talk and 5 mins for Q&A
14:25-14:50	Invited Talk 3 Prof. Wen-Bo CHEN Professor, College of Civil and Transportation Engineering, Shenzhen University, China Topic: Reclamation Development and Underground Space Utilization in Shenzhen 20 mins for the talk and 5 mins for Q&A
14:50-15:20	Keynote Speech 6 (in Mandarin with English words) Prof. Qing-Bo ZHANG Director of CCCC Dredging National Engineering Research Center, China Topic: 長江口及浙江沿海吹填軟土成陸典型案例技術裝備應用/Large Dredging Ships and Large Reclamation Projects Using Local Dredged Sediments 25 mins for the talk and 5 mins for Q&A
15:20-15:40	Coffee Break
Technical Session 4 Session Chair: To be confirmed	
15:40-16:05	Invited Talk 4 (in Mandarin with English words) Prof. Chuan-Gang FAN Professor, Anhui University of Technology, China Topic: 礦物基膠凝材料在疏浚淤泥就地高效無害化資源化處置中的應用/Application of Mineral-based Cementing Materials in the Efficient and Harmless Resource Disposal of Local Dredged Sediments 20 mins for the talk and 5 mins for Q&A
16:05-16:30	Invited Talk 5 Ir Dr Daman LEE Topic: Managing a Large Scale and Fast Track Reclamation in Hong Kong 20 mins for the talk and 5 mins for Q&A
16:30-16:55	Invited Talk 6 Prof. Jian-Hua YIN Chair Professor, Department of Civil and Environmental Engineering, PolyU, Hong Kong Topic: A Sustainable Approach to Marine Reclamations, a Field Trial in Hong Kong, and Post-construction Settlement-Strength Prediction-control 20 mins for the talk and 5 mins for Q&A
16:55-17:05	Closing Ceremony Remarks Prof. Xiao-Li DING Director of Research Institute for Land and Space, PolyU
17:05	End of Symposium

Registration

Registration fee:	HK\$800 (HK\$400 for full-time students)	
Registration deadline:	23:59, 19 January 2024	
Quota:	Full-price ticket:	200
	Student ticket:	50

Notes:

1. Application method: All applications **MUST BE** completed online via HKIE Geotechnical Division website (<https://hkied.org/public/technical-activity>). Non-HKIE members can also complete their registration at the same website above. **First-time applicants MUST create their own accounts on the website above before they can get access to the application system. Approval of new accounts usually takes 2 working days.** The organiser reserves the right to select the participants of the symposium. Successful applicants will be notified individually.
2. Payment method: Registration fee **MUST** be directly deposited to the bank account of HKIE - Geotechnical Division (HSBC A/C No. 025-344888-016). After payment, the applicant **MUST** upload the scanned deposit advice (with the name of applicant indicated) in his/her own account on the website of the HKIE Geotechnical Division (<https://hkied.org/public/home>) for record. Submission of payment receipt by other means (e.g. email) is not accepted.
3. CPD certificates will be distributed via email after the event.
4. For those applicants outside Hong Kong with difficulty to deposit registration fee to the bank account of HKIE - Geotechnical Division (HSBC A/C No. 025-344888-016), please contact the symposium secretaries: Dr Kevin Liu (email: kailiu@polyu.edu.hk; Whatsapp: +852-5578 3287; Wechat: Kai_Liu_Endavor; Phone No.: +852-5578 3287/+86-147 1502 7987) or Dr Elvis Wu (email: elvis.wu@polyu.edu.hk; Whatsapp: +852-5643 1093; Wechat: pc_pia; Phone No.: +852-5643 1093/+86-147 1501 1725). They provide help on registration fee payment.

Location of Chiang Chen Studio Theatre, HK PolyU

