



Reclamation and Resilience in Civil Engineering

■ Co-organized by



■ Symposium Details

Date: 31 May 2019 (Friday)

Time: 9:00 – 17:00 (Registration starts at 8:30 am)

Venue: TU107, Lu Guan Qiu Lecture Theatre, The Hong Kong Polytechnic University

Language: English

■ Supporting Organizations



■ Enquiry

Dr. Zhen-Yu YIN t: 3400 8470

Dr. Song-Ye ZHU t: 3400 3964

Dr. Zhen LENG t: 2766 6007

Email: ascehk@ust.hk

■ Certificate

One-day CPD certificate will be issued.

HIGHLIGHTS OF SYMPOSIUM

The Task Force on Land Supply was established in September 2017 under the direction of the Chief Executive, for a term of one and a half years. The report after public consultation was issued earlier this year and one of significant options is reclamation in various areas including the one at the east of Lantau Island.

The CPD is aimed to share the practical design and construction in Civil Engineering for reclamation. The climate change, resilience and ecological are the related subjects allowing the audience to have a holistic view about the topic. The renowned speakers from various sectors are invited to share their in-depth knowledge and insights of the subjects.

Lunch is not included in the registration fee.

PROGRAMME

8:30 – 9:00	Registration
9:00 – 9:50	Ground Improvement with Cement <i>Dr. Ay-Lee SAW, Associate, AECOM</i>
9:50 – 10:40	Resilient Protection of Seafront against Severe Weather and Climate <i>Ir Terence LEUNG, Associate Director, Ove Arup & Partners Hong Kong Ltd</i>
10:40 – 11:30	Ground Improvements over the Sea: Introduction to Key Design Issues with Recent Case Studies <i>Dr. Chao LI, Deputy General Manager of Technical Department, China Harbour Engineering Co. Ltd.</i>
11:30 – 12:20	ANICREEP Model for Predicting Long-term Deformation of Soft Soils <i>Dr. Zhen-Yu YIN, The Hong Kong Polytechnic University</i>
12:20 – 12:40	Q & A - Morning Session
12:40 – 14:00	Lunch break (not included in registration fee)
14:00 – 14:50	Ecologically Engineered Shorelines for Sustainable Coastal Development <i>Prof. Kenneth LEUNG, JP, The University of Hong Kong</i>
14:50 – 15:40	Climate change and extreme weather in Hong Kong – present and future <i>Mr. Sai-Ming LEE, Senior Scientific Officer in Climate Forecast Services and Climate Change Studies of HK Observatory</i>
15:40 – 16:30	Lantau Tomorrow Vision <i>Mr. Janson Chi-Sing WONG, JP, Civil Engineering and Development Department</i>
16:30 – 16:50	Q & A - Afternoon Session
16:50 – 17:00	Distribution of CPD Certificates

ABOUT THE SPEAKERS

Dr. Ay-Lee SAW, Associate, AECOM

Dr. SAW is an Associate of AECOM. Following her bachelor graduation, she gained a breadth of experience in the design of excavation, slope stability and ground improvement works through different projects in Singapore. She further obtained her PhD from National University of Singapore in cement-treated soil column in 2014. She has been invited by various geotechnical societies to deliver ground improvement seminars in Singapore and Hong Kong. She formerly provided geotechnical expert support service especially DCM related advisory for the HK Airport Authority in HKIA 3rd Runway reclamation works.

Ir Terence LEUNG, Associate Director, Ove Arup & Partners Hong Kong Ltd.

Ir LEUNG is an Associate Director of Arup with specialized knowledge in maritime and civil discipline with more than 23 years' experience in design, construction and management of infrastructure projects in the UK, Abu Dhabi, Kuwait, the Philippines, Singapore, Cambodia, Vietnam and Hong Kong. He is the East Asia Regional Maritime Skills Leader of Arup, and has been managing many major seafront development projects in Hong Kong and in the region. He completed a number of studies and design of coastal structures against climate change and extreme weather, and investigation of resilience of public infrastructures. He leads many challenging projects, including artificial reefs in The Brothers Marine Park, possible reclamations in Lung Kwu Tan and Siu Ho Wan, post-Mangkhut seawall upgrading works at various locations of Hong Kong, the reclamation of Hong Kong Boundary Crossing Facilities and improvement of public piers.

Dr. Chao LI, Deputy General Manager of Technical Department, China Harbour Engineering Co. Ltd.

Dr. LI is Deputy General Manager of Technical Department of China Harbour Engineering Co. Ltd. By profession, he is a geotechnical engineer with expertise in seismic engineering, finite element analysis and marine geotechnics. He has 15 years' experience of research and consulting work. With his familiarity with the theory and application of the finite element method, he has played a key role in providing technical solutions for many large-scale infrastructure projects including the World Trade Center Transportation Hub Project in New York City, the Padma Multi-purpose Bridge Project in Bangladesh, the Hong Kong -Zhuhai-Macau Bridge Link Project in China, and the XRL West Kowloon Terminal Project, Hong Kong Link Road Project and Hong Kong Boundary Crossing Facilities Project in Hong Kong.

Dr. Zhen-Yu YIN, Associate Professor, The Hong Kong Polytechnic University

Dr. YIN is an Associate Professor of geotechnical engineering in the Hong Kong Polytechnic University. Since his doctoral degree obtained in 2006 in France, Dr. YIN has mainly worked on nonlinear homogenization methods and on full-field numerical simulations of heterogeneous geomaterials. He has developed different kinds of elastoplastic and elasto-viscoplastic models for porous materials from clay to rockfill materials. Those models have been successfully applied to geotechnical engineering. He has published more than 120 papers in peer-reviewed international journals with a H-index of 29 according to WOS. Dr. YIN's research topics also cover multi-scale characterization of deformation and strength in heterogeneous materials under complex loading conditions (static, dynamic, cyclic, thermo-mechanical coupling etc.) and the application of artificial intelligence in geotechnics.

Prof. Kenneth LEUNG, JP, The University of Hong Kong

Prof. LEUNG is focus on Aquatic Ecology and Toxicology at School of Biological Sciences in the University of Hong Kong. So far, he has published over 190 peer-reviewed articles which are principally related to freshwater and marine ecology, pollution, ecotoxicology and environmental risk assessment as well as ecologically engineered shorelines. Owing to his professional achievements and dedicated community services, he was selected as one of the “Ten Outstanding Young Persons” by Junior Chamber International Hong Kong in 2010. In 2017, he was awarded the 19th Biwako Prize for Ecology by the Ecological Society of Japan in recognition of his contributions to aquatic ecology and toxicology in Asia-Pacific, and conferred as a Fellow of the Society of Environmental Toxicology and Chemistry (SETAC). In 2018, he was recognized as one of the top 100 Asian Scientists by Asian Scientist Magazine.

Mr. Sai-Ming LEE, Senior Scientific Officer in Climate Forecast Services and Climate Change Studies, HK Observatory

Mr. LEE is the Senior Scientific Officer in Climate Forecast Services and Climate Change Studies of HK Observatory. Mr. Lee is specialized in Climate diagnostics and liaison with climate forecast users, Coordination and management of paid weather services, Climate change public education and outreach activities, Climate change studies, Seasonal and climate forecasting.

Mr. Janson Chi-Sing WONG, JP, Deputy Head of the Sustainable Lantau Office (Works), Civil Engineering and Development Department, The Government of the Hong Kong Special Administrative Region

Mr. WONG is currently the Deputy Head of the Works Branch under the Sustainable Lantau Office. He has been taking forward a number of development projects in Lantau while attaching great importance to the conservation. The projects being undertaken by Mr. WONG include the on-going Tung Chung New Town Extension project. Mr. WONG is also responsible for taking forward the project related to the artificial islands in the Central Waters, which is now under the funding application stage.

COURSE FEE

Fee	Eligibility
HK\$700	<ul style="list-style-type: none"> • Members of ASCE or other supporting organizations; <i>or</i> • Alumni of PolyU; <i>or</i> • Early-bird registration (payment made on or before 24 May 2019, postmarked); <i>or</i> • Group registration (≥ 4 person)
HK\$800	Other regular registration
HK\$300	ASCE Student member

Lunch is not included in the registration fee.

ASCE ONE-DAY SYMPOSIUM

Reclamation and Resilience in Civil Engineering

31 May 2019, TU107, Lu Guan Qiu Lecture Theatre, The Hong Kong
Polytechnic University

Registration Form

Name: _____
(Last Name) (First Name)

Office Tel.: _____ Mobile: _____

Email: _____ Company: _____

Membership (if applicable): _____
 (ASCE/ PolyU/ ICE/ HKIE/ IStructE/HKISC)

Membership No. (if applicable): _____

Group Registration (please use separate sheets as necessary)

No.	Last Name	First Name	Email	Phone
1	<i>(Contact person as shown above)</i>			
2				
3				
4				
5				
6				
7				

Payment

I enclose a crossed cheque no. _____ (Bank: _____)

for the amount of HK\$ _____ x _____ person = HK\$ _____

Remarks

- All payments are non-refundable once booking is confirmed
- Please make a cheque payable to "**American Society of Civil Engineers – Hong Kong Section**" and post to:

Dr. Zhen-Yu YIN, Department of Civil & Environmental
Engineering, The Hong Kong Polytechnic University, Hung Hom,

- Seat will be confirmed when payment is received.
- ASCE Hong Kong reserves the right to cancel or reschedule the conference at its discretion

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