

International Symposium on Marine Engineering Geology 2019 **ISMEG 2019**

Dalian, China October 18-20, 2019

PROGRAM



Host Organizations



International Association for
Engineering Geology and
Environment (IAEG)



Marine Engineering
Geology Commission
(IAEG-C34)



Dalian University of
Technology



State Key Laboratory of
Coastal and Offshore
Engineering (SLCOE)

Cooperating Organizations



National Natural Science Foundation of China



Ocean University of China



Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering



Hohai University



Zhejiang University



Tongji University



The University of Western Australia



Norwegian Geotechnical Institute



Tianjin University



Dalian University



The First Institute of Oceanography, MNR



China National Offshore Oil Corporation



Guangzhou Marine Geological Survey



China General Nuclear Power Corporation

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Welcome Message

The ocean is the cradle of life, and rich in natural resources. With the worldwide boom in exploration and application of ocean resources, a dramatically increasing amount of coastal and offshore engineering facilities have been designed and constructed. The rapid development of human economic activities and global climate change have been leading to a big impact on the marine environment, resulting in frequent geological disasters. Under this circumstance, there is an urgent need to have a platform on which the scientists and engineers can show and share their state-of-art research in the field of Marine Engineering Geology. The 2nd International Symposium of Marine Engineering Geology (ISMEG 2019) will be held in Dalian, China between 18 and 20 October 2019. The theme of this symposium is “Exploration of Marine Resources and Marine Engineering”. It will provide opportunities for participants worldwide to discuss their recent advances, to share their knowledge and to identify future research directions in Marine Engineering Geology.

Welcome to Dalian in 2019!



YANG Qing
Chair, Organizing committee



Organizations

International Advisory Committee

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GAO Yufeng (China)	LIU Haixiao (China)	YANG Shengxiong (China)
GOURVENEK Susan (UK)	LIU Yu (China)	YANG Shaoli (Norway)
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HUANG Yu (China)	NIAN Tingkai (China)	YIN Ping (China)
HUANG Maosong (China)	SANCHEZ Marcelo (USA)	ZHANG Limin (HK, China)
HUANG Wei (China)	SHENG Daichao (Australia)	ZHOu Cuiying (China)
JIANG Mingjing (China)	SHI Bin (China)	ZHU Bin (China)
JUANG Hsein (USA)	STURM Hendrik (Norway)	
KONG Gangqiang (China)	SUN Qicheng (China)	



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LIU Lejun (China)
LIU Tao (China)
LIU Xiaolei (China)
LIU Zhen (China)
LIU Zhenwen (China)
LU Lin (China)
MAA Jerome P.-Y. (USA)

MA Xiaochuan (China)
MA Yuxiang (China)
MA Zhe (China)
NIAN Tingkai (China)
NING Fulong (China)
PEI Huafu (China)
SHAN Hailong (China)
SHENG Jiehong (China)
SHI Wei (China)
SU Lijun (China)
TANG Hongxiang (China)
TANG Xiaowei (China)
WANG Junqin (China)
WANG Mingyuan (China)
WANG Pan (China)
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WANG Zhongtao (China)
WEI Houzhen (China)
WEI Wei (China)
WEN Shipeng (China)
WU Qun (China)
XU Bin (China)
XU Hong (China)
XU Quanqing (China)

XU Wenjie (China)
XUE Yiguo (China)
YAN Chengzhi (China)
YANG Gang (China)
YANG Mingshuang (China)
YE Jianhong (China)
YE Guanlin (China)
YE Xingyong (China)
YOU Zaijin (Australia)
YU Qiang (China)
YU Long (China)
ZHANG Jinfeng (China)
ZHANG Jinli (China)
ZHANG Yibiao (China)
ZHANG Youhu (China)
ZHAO Wei (China)
ZHAO Xueliang (China)
ZHOU Chao (HK, China)
ZHOU Gongdan (China)
ZHOU Wanhuan (Macau, China)
ZHOU Yangrui (China)
ZHU Changqi (China)
ZHU Honghu (China)
ZHU Xunguo (China)



Topics

01 Engineering Properties of Marine Soil

Convener: YANG Shaoli; WANG Qing

02 Marine Geological Hazards and Preventions

Convener: JIA Yonggang; JENG Dong-sheng

03 In-situ Exploration, Monitoring and Physical Modelling

Convener: YIN Jianhua; XU Quanqing

04 Hydrodynamics and Environmental Interaction

Convener: YOU Zaijin; ZHANG Jinfeng

05 Exploration of Gas Hydrate

Convener: JIANG Mingjing; DAI Sheng; NING Fulong

06 Offshore Foundations

Convener: HU Yuxia; GOURVENEK Susan

07 Flow-Structure-Seabed Interaction

Convener: AN Hongwei; LU Lin

Plenary Speakers



WHITE David

Professor, University of Southampton



Title of speech:

Whole-Life Modelling of Geotechnical Structures on Soft Soils



YIN Jianhua

Professor, The Hong Kong Polytechnic University



Title of speech:

Nonlinear Rheological Models of Clayed Soils and Applications



VANNESTE Maarten

Principal Engineer, Norwegian Geotechnical Institute



Title of speech:

Data-Driven Geo-Solutions for Efficient Offshore Wind Foundations



SANCHEZ Marcelo

Professor, Texas A&M University



Title of speech:

Coupled Analysis of Problems Involving Gas Hydrates Bearing Sediments



MAA Jerome P.-Y.

Professor, Virginia Institute of Marine Science, College of William & Mary



Title of speech:

Simulations of Suspended Sediment Transport: Use Field Data



WANG Lizhong

Professor, Zhejiang University



Title of speech:

Foundation Behavior of Offshore Wind Turbine



ZHENG Jinhai

Professor, Hohai University



Title of speech:

Modeling of Wave-induced Seabed Response Around Pile Foundation



JIA Yonggang

Professor, Ocean University of China



Title of speech:

Marine Geo-environmental Disaster: Field Study and In-situ Long-term Observation



JENG Dong-Sheng

Professor, Griffith University



Title of speech:

Several New Issues for Fluid-seabed-structure Interactions



CHENG Liang

Professor, University of Western Australia



Title of speech:

Flow-structure-seabed Interaction Problems in Offshore Engineering



Conference Agenda

PROGRAMME SCHEDULE			
Date	Time	Arrangement	Venue
18 th October	All day	Registration	Hotel lobby
	Evening	Buffet	Sea of Clouds Pavilion
19 th October	Morning	Opening Session	Joyous Gathering Palace
		Plenary Speech	
	Afternoon	Topic 1 Engineering Properties of Marine Soil	Meeting Room 6
		Topic 2 Marine Geological Hazards and Prevention	Meeting Room 7
		Topic 3 In-situ Exploration, Monitoring and Physical Modelling	Meeting Room 8
		Topic 7 Flow-Structure-Seabed Interaction	Lecture Hall 2
	Evening	Buffet	Sea of Clouds Pavilion
		IAEG-C34 Committee Meeting	Meeting Room 8
20 th October	Morning	Plenary Speech	Joyous Gathering Palace
	Afternoon	Topic 4 Hydrodynamics and Environmental Interaction	Lecture Hall 2
		Topic 5 Exploration of Gas Hydrate	Meeting Room 7
		Topic 6 Offshore Foundations	Meeting Room 8
		Topic 7 Flow-Structure-Seabed Interaction	Meeting Room A301, SLCOE, DUT
		Closing Session	Joyous Gathering Palace
Evening	Buffet	Sea of Clouds Pavilion	

SATURDAY OCTOBER 19 Room: Joyous Gathering Palace			
Opening Session			
08:30-08:45	Welcome speech for organizing committee	Professor YANG Qing	Host: WANG Yin
	Welcome speech for NSFC	Professor LIU Yu	
	Welcome speech for technical committee	Professor JIA Yonggang	
08:45-09:00	Photo and Break		
Plenary Speech			
09:00-09:30	Whole-life modelling of geotechnical structures on soft soils	WHITE David (University of Southampton)	Chair: STURM Hendrik; LIU Yu
09:30-10:00	Marine Geo-environmental disaster: field study and in-situ long-term observation	JIA Yonggang (Ocean University of China)	
10:00-10:30	Data-driven geo-solutions for efficient offshore wind foundations	VANNESTE Maarten (Norwegian Geotechnical Institute)	
10:30-10:45	Coffee Break		
10:45-11:15	Flow-structure-seabed interaction problems in offshore engineering	CHENG Liang (The University of Western Australia)	Chair: JIANG Mingjing; WEI Changfu
11:15-11:45	Simulations of suspended sediment transport: use field data	MAA Jerome P.-Y. (College of William & Mary)	

SUNDAY OCTOBER 20			
Room: Joyous Gathering Palace			
Plenary Speech			
09:00-09:30	Coupled analysis of problems involving gas hydrates bearing sediments	SANCHEZ Marcelo (Texas A&M University)	Chair: HU Yuxia; HUANG Yu
09:30-10:00	Nonlinear rheological models of clayed soils and applications	YIN Jianhua (The Hong Kong Polytechnic University)	
10:00-10:30	Several new issues for fluid-seabed-structure interaction	JENG Dong-Sheng (Griffith University)	
10:30-10:45	Coffee Break		
10:45-11:15	Modeling of wave-induced seabed response around pile foundation	ZHENG Jinhai (Hohai University)	Chair: WANG Dong; YANG Shaoli
11:15-11:45	Foundation behavior of offshore wind turbine	WANG Lizhong (Zhejiang University)	
Closing Session			
18:30-19:00	Concluding speech for IAEG-C34	Professor JIA Yonggang	Host: YU Long
	Introduction to ISMEG 2022	Professor JENG Dong-Sheng	
	Concluding speech for organizing committee	Professor YANG Qing	

SATURDAY OCTOBER 19			
Room: Meeting Room 6			
Topic 1: Engineering Properties of Marine Soil			
13:30-13:50 Keynote	Penetrometers for site investigations in offshore single and layered clays	HU Yuxia (The University of Western Australia)	Chair: NIAN Tingkai; ZHENG Hu
13:50-14:10 Keynote	Creep model selection for soft soils	ZHOU Wanhuan (University of Macau)	
14:10-14:25	The effects of free gas on the hydro-mechanical response of soft clay	ZHAO Hongfen (Sun Yat-sen University)	
14:25-14:40	Relationship between electrical resistivity and basic geotechnical parameters of marine soil in Northern South China Sea	LEI Shiyun (Ocean University of China)	
14:40-14:55	Experimental study on acoustic properties of sandy sediment	WU Tao (Tianjin University)	
14:55-15:10	Thermal and strain rate dependent stress-strain behavior of reconsolidated South China Sea marine soil	LI Hui (Hohai University)	
15:10-15:25	Multiscale pore and fractal characteristics of reef limestone based on the field emission scanning electronic microscopy	ZHOU Zhongming (Institute of Geology and Geophysics, CAS)	
15:25-15:40	Coffee break		
15:40-16:00 Keynote	Remoulded shear strength of marine clays thixotropy and set-up effect	YANG Shaoli (Norwegian Geotechnical Institute)	Chair: FAN Qinglai; ZHAO Xueliang
16:00-16:20 Keynote	Strength evolution and microstructure characteristics of deep water soft clay	WANG Yin (Dalian University of Technology)	
16:20-16:35	Effect of cement content and surcharge pressure on the drying/wetting durability of cement stabilized clayey soils	LIU Wenhua (Jiangnan University)	
16:35-16:50	Strength degradation and thixotropic hardening of soft clay in South China Sea	REN Yubin (Dalian University of Technology)	
16:50-17:05	Effects of organic matter and salinity on the flocculation of kaolinites in a settling column	LI Zhongyue (Tianjin University)	
17:05-17:20	Primary investigations of geotechnical material properties on the molecular scale by using molecular dynamics	ZHANG Siqi (Dalian University of Technology)	

SATURDAY OCTOBER 19			
Room: Meeting Room 7			
Topic 2: Marine Geological Hazards and Preventions			
13:30-13:50 Keynote	Geological disaster prevention and mitigation of marine soft soil in urban construction	HUANG Yu (Tongji University)	Chair: LI Shouding; LIU Xiaolei
13:50-14:10 Keynote	Numerical investigations of retrogressive slope failure in sensitive clay	WANG Dong (Ocean University of China)	
14:10-14:25	Granular scale responses in a biaxial shear band region	ZHENG Hu (Tongji University)	
14:25-14:40	In situ observations of wave-supported fluid mud processes on the Yellow River subaqueous delta	LIU Xiaolei (Ocean University of China)	
14:40-14:55	A new type of device used on submarine landslides monitoring	GE Yongqiang (Zhejiang University)	
14:55-15:10	Numerical modeling of chain failure modes for submarine landslides with sensitive clay	HAN Yunrui (Dalian University of Technology)	
15:10-15:25	Monitoring submarine sand wave migration with pressure-based methods: Experimental results and system construction	ZHENG Xiaoquan (Ocean University of China)	
15:25-15:40	Coffee break		
15:40-16:00 Keynote	Research progress on geological hazards during construction of subsea tunnel	XUE Yiguo (Shandong University)	Chair: HAO Dongxue; GUO Xiujun
16:00-16:15	The increasing threat of typhoon to coastal area in China mainland between 1980-2015	SHI Hongyuan (Ludong University)	
16:15-16:30	Vertical response of a pipeline under the impact of submarine slides	FAN Ning (Wenzhou University)	
16:30-16:45	An integrated modelling framework for the geohazard assessment of submarine debris flow and associated deepwater pipeline movement subjected to its impact	QIAN Xuesheng (Southern University of Science and Technology)	
16:45-17:00	New insight into the distribution of consolidated silt from different micro-geomorphologic units on the tidal flat of the Yellow River delta	SU Li (Tianjin University)	
17:00-17:15	Analysis of stabilization method and influence factors of marine soft clay	DU Chuanxin (Dalian University of Technology)	

SATURDAY OCTOBER 19			
Room: Meeting room 8			
Topic 3: In-situ Exploration, Monitoring and Physical Modelling			
13:30-13:50 Keynote	The installation of dynamically installed plate anchor with booster	LIU Jun (Dalian University of Technology)	Chair: ZHOU Yangrui; WANG Zhongtao
13:50-14:10 Keynote	Offshore geotechnical site investigation history and future	XU Quanqing (FUGRO)	
14:10-14:25	SPT and CPTU data for offshore windfarm development	YANG Shaoli (Norwegian Geotechnical Institute)	
14:25-14:40	Experimental investigation on flow characteristic around stair-stepping groins	ZHENG Yuhua (Tongji University)	
14:40-14:55	Bottom and intermediate nepheloid layer induced by shoaling internal solitary waves: impacts of the angle of the wave group velocity vector and slope gradients	TIAN Zhuangcai (Ocean University of China)	Chair: HE Zhongjin; TANG Hongxiang
14:55-15:10	Geotechnical properties of transparent clay manufactured by Carpobol® Ultrez™ 10	JI Weiwei (Hohai University)	
15:10-15:25	The contributions of submarine groundwater discharges in Shilaoren Bay of Qingdao, China	ZHANG Kunkun (Ocean University of China)	
15:25-15:40	Coffee break		

Topic 3: In-situ Exploration, Monitoring and Physical Modelling, continued			
15:40-15:55	Characteristics and applications of the ambient noise recorded on the Xisha Islands in South China Sea	GUO Zhen (Tongji University)	Chair: SHI Danda; WU Yajun
15:55-16:10	Developments and tests of the high-resolution deep-towed multichannel seismic system	PEI Yanliang (The First Institute of Oceanography, MNR)	
16:10-16:25	Application of optical fiber sensors in monitoring FRP-reinforced seawater sea-sand concrete piles in a physical model	CHEN Zejian (The Hong Kong University of Polytechnic)	
16:25-16:40	Study on interaction between wave and dense-row pile breakwater	ZHANG Yifeng (Tianjin Research Institute for Water Transport Engineering of Ministry of Transport)	
16:40-16:55	Centrifuge modelling of lateral clay-pipe interaction with the effects of pipe burial depth and pipeline axis direction	ZHANG Yu (Dalian University of Technology)	
16:55-17:10	Experimental and theoretical studies of torpedo anchors dynamically penetrating into sand	NIU Jinglin (Dalian University of Technology)	
17:10-17:25	Probability analysis of seabed stability with the consideration of the spatial variability of sediment strength	ZHU Bin (Dalian University of Technology)	

SATURDAY OCTOBER 19			
Room: Lecture Hall 2			
Topic 7: Flow-Structure-Seabed Interaction			
13:30-14:10 Keynote	Local scour around subsea structures: linking laboratory experiments to field condition	AN Hongwei, DRAPER Scott (The University of Western Australia)	Chair: NING Dezhi; AN Hongwei
14:10-14:50 Keynote	Reducing current-induced local scour around mono-pile with truncated cone	LU Lin (Dalian University of Technology)	
14:50-15:30	Experimental investigation of the hydrodynamic forces acting on small pipes above rough beds	GRIFFITHS Terry (The University of Western Australia)	
15:30-15:50	Coffee break		
15:50-16:30	Novel solutions for jack-up rigs and floating platforms	HOSSAIN Muhammad Shazzad (The University of Western Australia)	
16:30-17:10	Extreme wave run-up around a ship-shaped FPSO	CHEN Lifen (The University of Western Australia)	
17:10-17:50	The effect of Reynolds number on local scour around a monopile	LOU Xiaofan (Dalian University of Technology)	

SUNDAY OCTOBER 20			
Room: Lecture Hall 2			
Topic 4: Hydrodynamics and Environmental Interaction			
13:30-13:50 Keynote	Using acoustic waves to measure mud rheological properties, assuming a viscoelastic material	MAA Jerome P.-Y. (College of William & Mary)	Chair: MA Yuxiang; YOU Zaijin
13:50-14:05	High-fidelity numerical modeling of water wave propagation over coastal area using a VPM-THINC/QQ model	ZHAO Xizeng (Zhejiang University)	
14:05-14:20	Block transportation by subaqueous debris flow in rotating flume tests	DENG Jianliang (Shanghai Jiao Tong University)	
14:20-14:35	Experimental investigation on the dynamic response and flow behavior of a mooring system	GAO Yangyang (Zhejiang University)	
14:35-14:50	Investigation of roughness effects of oscillatory boundary layer flow over a rough bed using lattice Boltzmann method	DING Lei (Tianjin University of Science & Technology)	
14:50-15:05	Applicability of duct-type devices to measure the erodibility of sediment	CHEN Dake (Hohai University)	
15:05-15:20	A study on the effect of plunging breaking waves on steel pipe piles	ZHAO Rubo (Dalian University of Technology)	
15:20-15:35	Coffee break		
15:35-15:55 Keynote	A new form of three dimensional radiation stress and its application in coupled wave-current simulation in nearshore zone	ZHANG Qinghe (Tianjin University)	Chair: ZHANG Jinfeng; ZHANG Chi
15:55-16:15 Keynote	Coastal hazards and impacts induced by tropical cyclones along the coast of china	You Zaijin (Ludong University)	
16:15-16:30	Effects of sea ice on M2 tide of Bohai Sea in winter of 2009-2010	ZHANG Na (Tianjin Chengjian University)	
16:30-16:45	Rate of suspended sediment across the submerged dike under action of wave and current	YAN Bing (Tianjin Research Institute for Water Transport Engineering of Ministry of Transport)	
16:45-17:00	Mechanism and evaluation of objects sinking caused by wave-induced seabed liquefaction: a viscous approach	WANG Hu (Tianjin University)	
17:00-17:15	Experimental study on wave runup and overtopping for ecological revetment of plant honeycomb	ZHANG Na (Tianjin Research Institute of Water Transport Engineering)	

SUNDAY OCTOBER 20			
Room: Meeting Room 7			
Topic 5: Exploration of Gas Hydrate			
13:30-13:50 Keynote	Phase equilibrium condition for gas hydrate-bearing soil	WEI Changfu (Institute of Rock and Soil Mechanics, CAS)	Chair: KONG Gangqiang, NING Fulong
13:50-14:10 Keynote	High-pressure characterization techniques for natural hydrate-bearing sediments	Dai Sheng (Georgia Institute of Technology)	
14:10-14:25	Molecular insights into the effects of amino acids on the kinetics of decomposition and degassing of natural gas hydrates	HE Zhongjin (China University of Geosciences, Wuhan)	
14:25-14:40	Spatiotemporal destabilization modes of upper continental slopes undergoing hydrate dissociation	LIU Fang (Tongji University)	
14:40-14:55	Optimization of hydrate exploitation process based on heat transfer analysis	LI Bo (Chongqing University)	
14:55-15:10	An effective approach to increase gas production from hydrate reservoir: the multilateral well scheme	SUN Jiaxin (China University of Geosciences, Wuhan)	
15:10-15:25	Effect of net-zero produced water strategy on gas production and sediment deformation in marine gas hydrate-bearing sediments	YU Shuman (Rensselaer Polytechnic Institute)	
15:25-15:40	Coffee break		

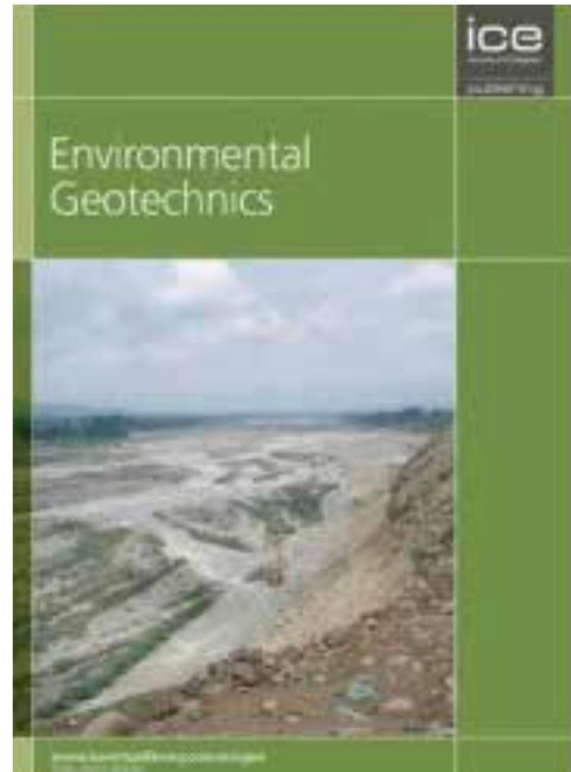
Topic 5: Exploration of Gas Hydrate, continued			
15:40-16:00 Keynote	Mining gas hydrate: progresses from discovery to commercial production	NING Fulong (China University of Geosciences, Wuhan)	Chair: DAI Sheng; PEI Huafu
16:00-16:15	The effect of hydrate dissociation on the mechanical response of gas hydrate-bearing sediment	LIU Zhichao (China University of Geosciences, Wuhan)	
16:15-16:30	Prospects of gas production from the sedimentary complex hydrate reservoir using conventional technology	YUAN Yilong (Jilin University)	
16:30-16:45	Influence of particle characteristics on the mechanical properties of methane hydrate-bearing sediments	WU Yang (Guangzhou University)	
16:45-17:00	Experimental study on dynamic mechanical properties of THF hydrate deposits under different particle size sand particles	HU Wei (China University of Geosciences, Wuhan)	
17:00-17:15	Mechanical behaviors of THF hydrate at micro-nano scale	LI Wei (China University of Geosciences, Wuhan)	Chair: WEI Houzhen; TIAN Hailong
17:15-17:30	Natural gas hydrate dissociation in porous media: dissociating zone analysis	ZHANG Haitao (Shanghai Jiao Tong University)	
17:30-17:45	Effect of hydrophilic nanoparticles on hydrate formation in simulated wellbore environment	FANG Xiangyu (China University of Geosciences, Wuhan)	
17:45-18:00	Hydraulic fracturing in THF-hydrate-bearing argillaceous silt	Sun Yiming (Institute of Geology and Geophysics, CAS)	

SUNDAY OCTOBER 20			
Room: Meeting Room 8			
Topic 6: Offshore Foundations			
13:30-13:50 Keynote	Considerations for selection and design of foundations for offshore renewable energy	STURM Hendrik (Norwegian Geotechnical Institute)	Chair: YU Long, ZHANG Youhu
13:50-14:10 Keynote	Study on uplift bearing characteristics of suction caisson foundation under vertical load	DAI Guoliang (Southeast University)	
14:10-14:25	Application of suction caisson foundation in offshore wind farms in China	HE Ben (Power China Huadong Engineering Corporation Limited)	
14:25-14:40	Study on the air-floating towing characteristics of the multi-bucket foundation for offshore wind turbines	ZHANG Puyang (Tianjin University)	
14:40-14:55	Applicable to the design of the suction bucket foundation in Guangdong	LIU Bo (Guangdong Electric Power Design Institute, CEEG)	
14:55-15:10	Numerical simulation of anchored floating breakwater	JIN Zhefei (Tianjin University)	
15:10-15:25	Penetration resistance of skirt tip with rough base for suction caissons in clay	WU Yuqi (Dalian University of Technology)	
15:25-15:40	Coffee break		
15:40-16:00 Keynote	Geotechnical parameters for designing wind turbine foundations in offshore Guangdong	ZHANG Youhu (Norwegian Geotechnical Institute)	Chair: CUI Chunyi; ZHANG Puyang
16:00-16:15	Time-dependent degradation behavior and reliability analysis of laterally loaded corrosion-damaged piles in marine environments	SHAO Wei (Shanghai Maritime University)	
16:15-16:30	An improved method of predicting drag anchor trajectory based on the finite element analyses of bearing capacity	GUAN Bo (Dalian University of Technology)	
16:30-16:45	Partial drainage effect on vertical loaded suction buckets and selection of soil parameters	SHEN Kanmin (Power China Huadong Engineering Corporation Limited)	
16:45-17:00	Behaviors of suction buckets under vertical uplift loadings	WANG Xingxing (Dalian University of Technology)	

SUNDAY OCTOBER 20 Room: Meeting Room A301, SLCOE, DUT			
Topic 7: Flow-Structure-Seabed Interaction, continued			
13:30-14:10 Keynote	The laminar-turbulent transition of wave boundary layer	XIONG Chengwang (Hebei University of Technology)	Chair: LU Lin, XIONG Chengwang
14:10-14:50	Numerical analysis on the wake dynamics of a ducted propeller under a flat plate	ZHANG Qin (Ocean University of China)	
14:50-15:20	Coffee break		
15:20-16:00	Numerical investigation of local scour around a vibrating pipeline under steady current	LIU Mingming (Chengdu University of Technology)	
16:00-16:40	Experimental study of local scour around porous piles in steady currents	YANG Fan (Dalian University of Technology)	
16:40-17:20	Transient waves in wave tank generated by wave maker with ramp functions	CHEN Qunbin (Dalian University of Technology)	

Publication

Two SCI-indexed journals (**Journal of Marine Science and Engineering** and **ICE-Environmental Geotechnics**) will publish special issues for ISMEG 2019 symposium.



The authors are encouraged to prepare and submit a full manuscript to the two journals under a fully peer-review process for consideration of publication. The submission systems will be open until the end of 2019.

To submit a manuscript, please log in their online systems and select the special issue “New advances in Marine Engineering Geology” and “Marine Geotechnics” respectively for the two journals.

Online submission system links:

- www.mdpi.com/journal/jmse
- www.icevirtuallibrary.com/journal/jenge

Conference Venue and Accommodation

◆ Conference Venue

The 2nd International Symposium on Marine Engineering Geology will be held in **Dalian International Finance Conference Center Hotel**.

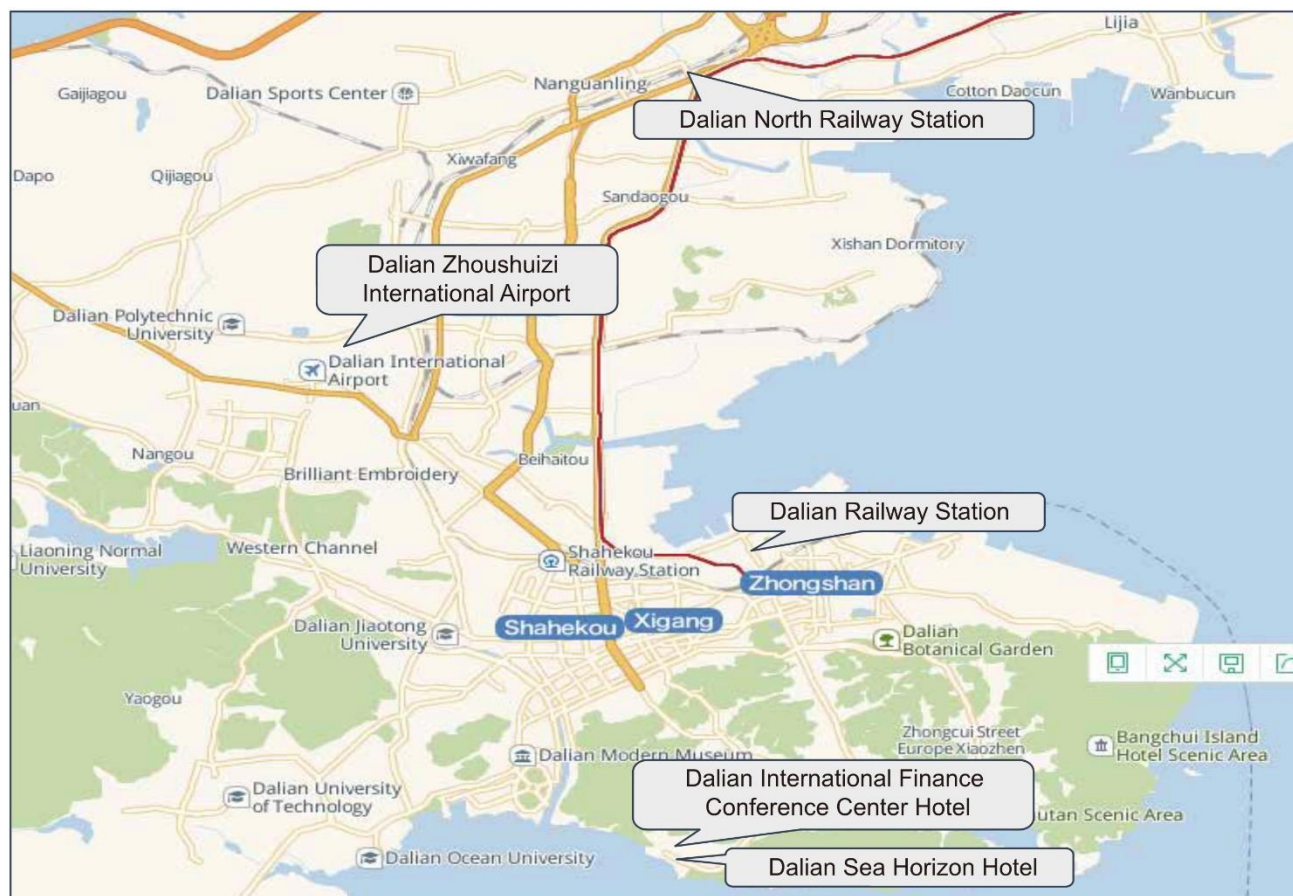
Address: No.68 Binhai West Road Dalian, China

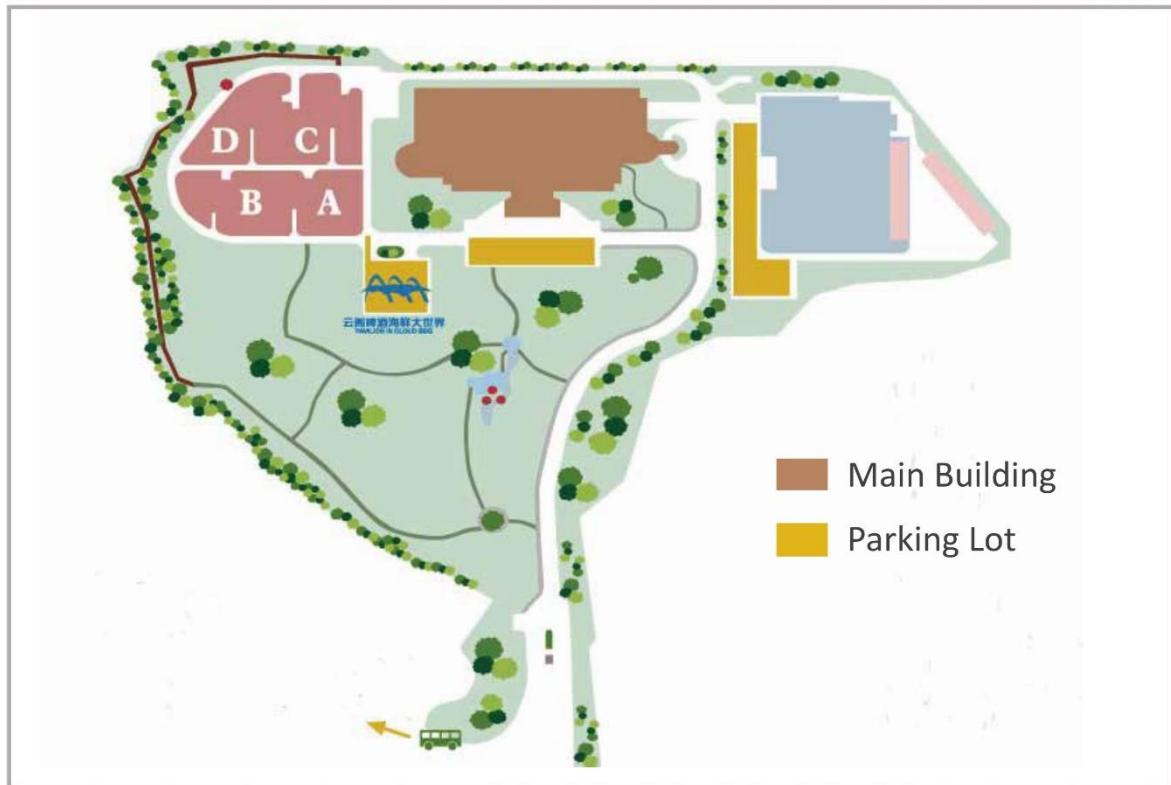
地址：大连国际金融会议中心酒店，大连市滨海西路68号

Website: <http://dalianfinancecenter.cn>

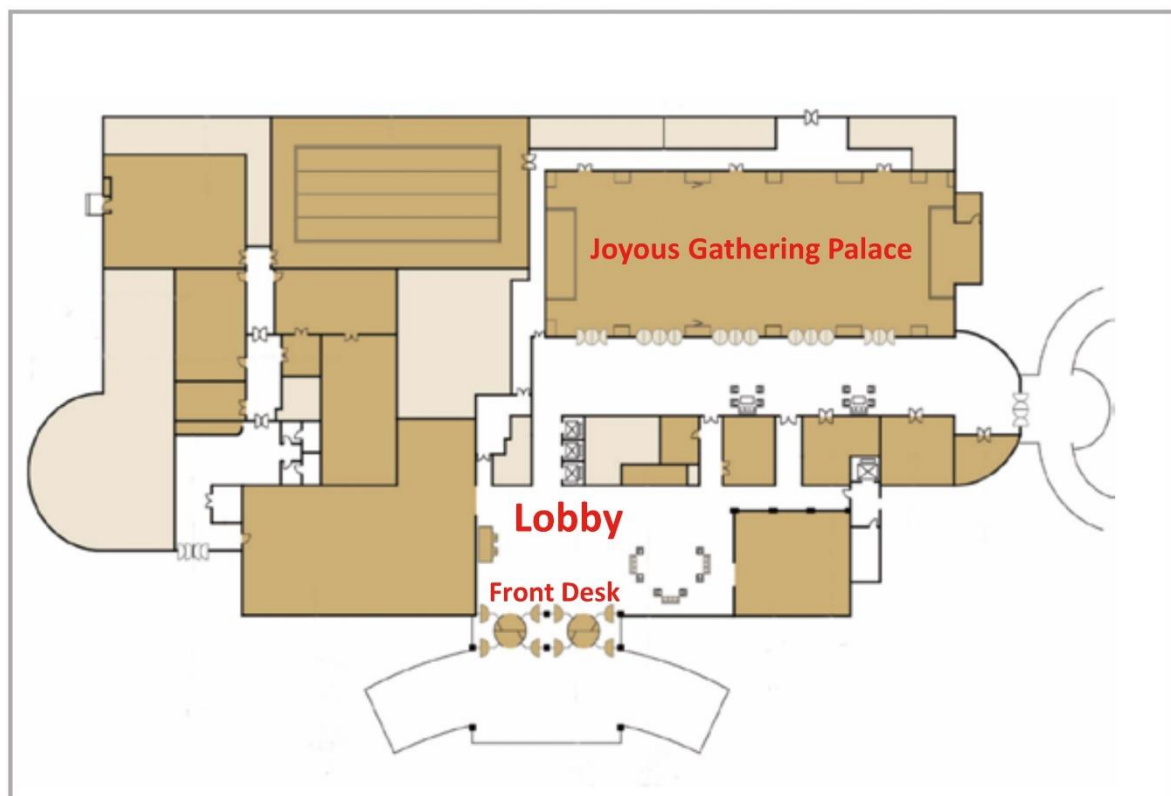


Map of Locations

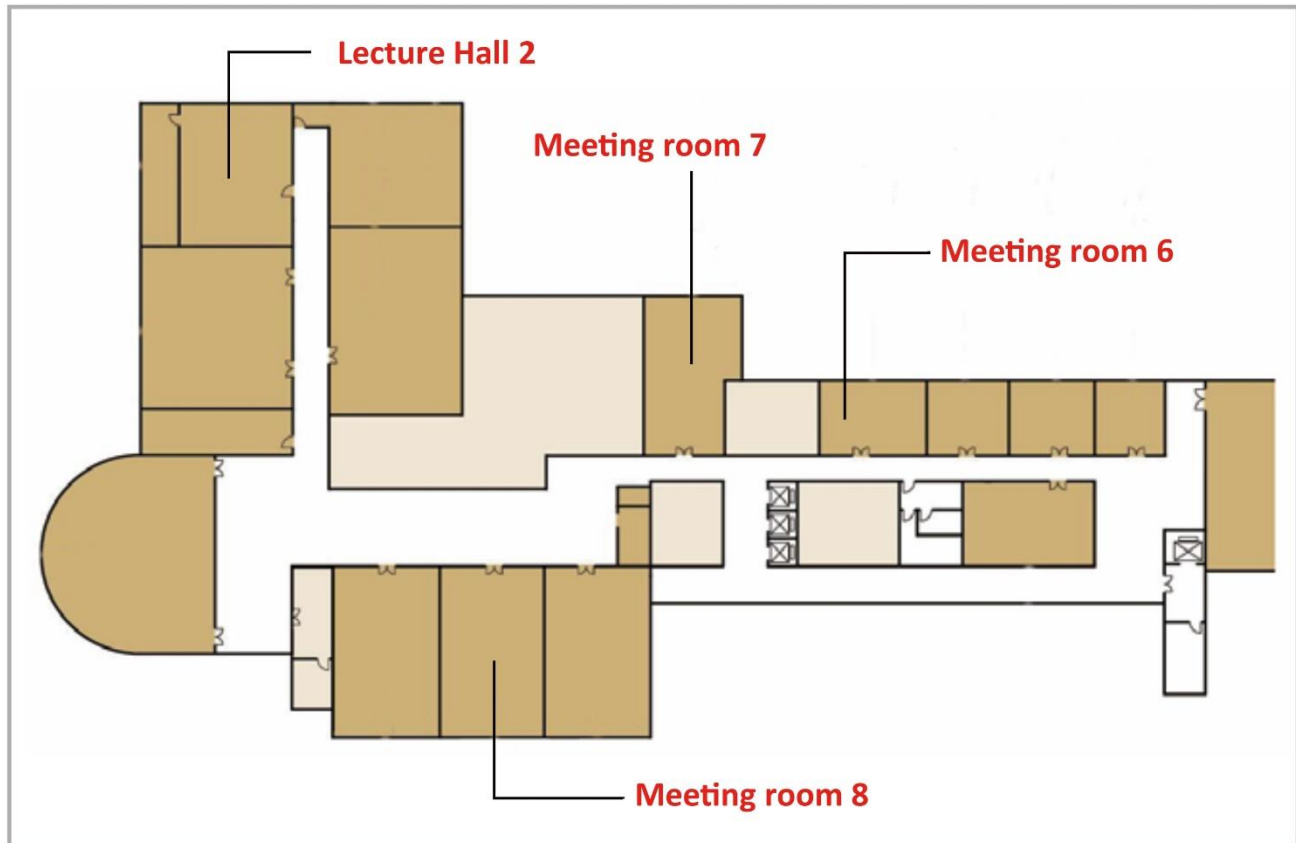




Conference Venue map (1st floor)



Conference Venue map (2nd floor)



◆ Accommodation

Dalian International Finance Conference Center Hotel and **Dalian Sea Horizon Hotel** will be reserved for accommodation.



General Information

Access to Conference Venue and Hotel

From	Transport	Time
Dalian Zhoushuizi International Airport	Taxi 16.2km	About 30 minutes
Dalian North Railway Station	Taxi 22.5km	About 45 minutes
Dalian Railway Station	Taxi 10.1km	About 30 minutes

Registration and Information Desk

The registration desk is located in the Lobby on the ground (1st) floor of Dalian International Finance Conference Center Hotel.

Contacts/Useful Telephone Numbers

Mobile:

Technical session:	GUO Xingsen (16604112056)	TANG Hongxiang (13079809026)
Reception :	LI Jiakang (15733119058)	KONG Gangqiang (15205168312)
Registration :	ZHU Bin (18742032552)	WANG Yin (13940883913)
Foreign Delegates :	REN Yubin (18741122380)	WANG Kangjie (15735185840)
Accommodation :	ZHANG Shixing (18638809043)	
Medical Care :	YANG Gang (13624093259)	
General Coordinator:	WANG Yin (13940883913)	

 **Email :** ismeg2019@163.com

 **Website:** <http://ismeg2019.dlut.edu.cn>

PROGRAM

International Symposium on Marine
Engineering Geology 2019
ISMEG 2019