

The First International Symposium on Marine Engineering Geology

Qingdao, China, 21-24 October 2016

Sponsored by



Marine Engineering Geology Commission (C34), International Association for Engineering Geology and the Environment (IAEG)



Ocean Work Commission, Engineering Geology Committee, Geological Society of China

Hosted by



Ocean University of China



Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering



Laboratory for Marine Geology, Qingdao National Laboratory for Marine Science and Technology

Supported by

National Natural Science Foundation of China

IGCP Project 640-S4LIDE, UNESCO

China National Offshore Oil Corporation Research Institute

Qingdao Research Institute of Marine Geology

Guangzhou Marine Geological Survey

The First Institute of Oceanography, SOA

Institute of Rock and Soil Mechanics, CAS

Shengli Oilfield Sub-Company

K.C.Wong Education Foundation

Tsinghua University

Zhejiang University

Tongji University

Tianjin University

Dalian University of Technology

Nanjing Tech University

Qingdao Technological University



Invitation

Dear colleagues,

With the flourishing exploitation and development of the ocean oil and gas engineering, port engineering, submarine communication engineering as well as the coastal reclamation engineering, quite a number of engineering geological problems have been encountered in the process of planning, construction and service in coastal and submarine regions. In order to make sure the rational development of marine engineering geology, the First International Symposium on Marine Engineering Geology (ISMEG 2016) will be held in Qingdao, China on 21-24 October, 2016. The theme of this symposium is "Marine Engineering Geology and Geo-environmental safety". ISMEG 2016 aims to gather academic scientists, leading engineers, industrial researchers and students to exchange their ideas, experiences and share their research results about marine engineering geology.

Welcome to Qingdao in October the autumn!



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Chairman of Marine Engineering Geology Commission, IAEG
Director of Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering

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Changqi Zhu (China)		

All the names here are listed in alphabetical order of the last name.



Topics

The topics of symposium as follows

1 Engineering characteristics of marine soil

Conveners: Qing Yang (gyang@dlut.edu.cn) Yuxia Hu (yuxia.hu@uwa.edu.au)

- Geotechnical properties of marine soil
- Micro-structures of marine soil
- Constitutive relationship of marine soil and numerical modeling
- Calcareous sand/coral sand and challenging soil

2 Regional engineering geology and offshore geohazards

Conveners: Guoxing Chen (gxchen@njtech.edu.cn) Qicheng Sun (qcsun@tsinghua.edu.cn)
Roger Urgeles (urges@icm.csic.es)

- Investigation and evaluation of engineering geological conditions in typical sea
- Submarine landslide, turbidity current and its complication of tsunami
- Submarine earthquake and earthquake tsunami
- Seabed liquefaction
- Other offshore geohazards

3 Coastal engineering geology

Conveners: Yu Huang (yhuang@tongji.edu.cn) Ping Yin (pingyin@fio.org.cn)
Jin Sun (J.Sun@ed.ac.uk)

- Coastal erosion and protection
- Engineering geological problems in land reclamation
- Coasts at threat: causes and consequences of coastal settlement
- Geodisaster prevention and mitigation in coastal regions

4 Marine engineering geological survey technology and data analysis

Conveners: Jinhui Li (lisa.li@uwa.edu.au) Maarten Vanneste (Maarten.Vanneste@ngi.no)
Ting Zhang (t.zhang@ageo.com.au) Tobias Mörz (tmoerz@uni-bremen.de)

- Marine geophysical survey
- In-situ and laboratory testing
- Long-term field observation
- Statistical characterisation of geotechnical data

5 Submarine soil-structure interaction

Conveners: Lizhong Wang (wanglz@zju.edu.cn) Dong Wang (dongwang@ouc.edu.cn)
Haixiao Liu (liuhx@tju.edu.cn)

- Installation and operational safety of spudcan footings for jack-up rigs
- Penetrations and pull-out capacities of anchors used in shallow and deep waters
- Displacements and consolidations of subsea foundations
- Pipe-soil interaction



6 Marine engineering geology in offshore new energy development

Conveners: Shaoli Yang (Shaoli.Yang@ngi.no) Mingyuan Wang (445237875@qq.com)

- Offshore geological site investigation related to new energy development
- Foundation design for offshore windfarm
- Offshore soil parameters related to new energy development
- Engineering geological challenges related to new energy development
- Case studies in offshore new energy development

Publications

The ISMEG 2016 Abstract Proceedings will be available online and the excellent papers will be collected and published as a special issue of the *Bulletin of Engineering Geology and the Environment* (SCI impact factor: 1.252). Authors invited to present a paper should submit full paper before January 15, 2017 for peer review.

Products Show

The committees of the ISMEG 2016 welcome financial supports in order to make the meeting more successful and fruitful. In the venue various sizes of commercial booths or desks will be provided depending on the amount of financial support. Please contact the steering committee for more details.

Contacts: Hailong Shan (Tel: +86 18605321209 E-mail: shanhailong@126.com)

Field Excursion

- **Qingdao Coastal geological environment (1 day, \$30)**



Qingdao borders Yellow Sea, with pleasant weather and beautiful landscape, is one of the coastal tourist cities of eastern China. Built along the winding coastline, Qingdao enjoys superb beach resource. With gentle slope and mild waves, the No.1 Bathing Beach, near our symposium venue Huanghai Hotel, is a best choice to spend the summer time.

- **Shengli Oilfield (2 days, \$90)**

Shengli Oilfield is the first onshore oilfield that ever makes the offshore oil exploitation in China. Ever since Shengli No.1 platform was launched in November 1978, up to now, Shengli Oilfield has owned nine offshore drilling platforms, 96 oil production platforms of various kinds. All these equipments enable Shengli Oilfield to move from the land to the ocean, achieving an annual output of 3 million tons of offshore oil.



Conference Program

Speaking time of presentations

Plenary: 30 min; Keynote: 20 min; Orals: 15 min (including question time of 5 min)

Date	Time	Event
Oct. 21 Friday	All Day	Registration
	18:00-19:00	Buffet
	19:30-21:30	Keynote Lecture on the Scientific Paper Writing
Oct. 22 Saturday	08:00-08:30	Opening
	08:30-09:30	Plenary Speech
	09:30-09:50	Group Photo, Coffee Break, Trade Show
	09:50-12:00	Plenary Speech
	12:00-14:00	Lunch and Break
	14:00-15:45	Session Speech
	15:45-16:15	Coffee Break, Trade Show
	16:15-18:00	Session Speech
	18:00-20:00	Welcome Dinner
	20:00-21:00	IAEG-Marine Engineering Geology Commission Workshop
Oct. 23 Sunday	08:00-09:45	Session Speech
	09:45-10:00	Coffee Break, Trade Show
	10:00-12:00	Session Speech
	12:00-14:00	Lunch and Break
	14:00-16:15	Plenary Speech
	16:15-16:30	Coffee Break, Trade Show
	16:30-18:00	Plenary Speech
	18:00-19:30	Buffet
	19:30-20:30	IAEG- International Research Program Workshop
Oct. 24 Monday	All Day	Alternative Field Excursion

Important Dates

Third announcement: September 14, 2016

Early birds registration: September 30, 2016

Abstract Submission: September 30, 2016

Hotel reservations: October 14, 2016

Field excursion registration: October 14, 2016

Conference Handbook: October 15, 2016



Symposium Venue and Accommodation

➤ Huanghai Hotel

Huanghai Hotel (Qingdao) is located on 75 Yan'an Road, HuiQuan square, Qingdao, adjacent to the Seaside scenic spots, such as Little Qingdao, Qingdao's First Bathing Beach and Badaguan.

It is our policy that the delegates take care of their own accommodation. Hence the local organizing committee does not reserve hotel rooms. It is strongly recommended to reserve rooms before October 14 so that you can take advantage of reduced congress rates.

Delegates still requiring accommodation may contact the Housing Agent

E-mail:13864836777@163.com (preferred contact method)

Tel: +86 13070883044 (Mr. Wang)

Standard room: ~\$57

Website: <http://www.huanghaihotel.com/>

Transportation

- From **Liuting International Airport** to Huanghai Hotel
 - ✓ Taxi Travel time: ~ 50 mins Cost: ~ RMB 70
- From **Qingdaobei Railway Station** to Huanghai Hotel
 - ✓ Taxi Travel time: ~30 mins Cost: ~RMB 40
- From **Qingdao Railway Station** to Huanghai Hotel
 - ✓ Bus No. 304/316/321/223 Travel time: ~30 mins Cost: ~RMB 1
 - ✓ Taxi Travel time: ~15 mins Cost: ~RMB 12



Conference fees

➤ Registration fee

The registration fee includes conference materials (not available to accompanying persons), lunches, coffee breaks, and attending all technical sessions, excluding the accommodation, short course registration fee and post-symposium tour registration fee.

Registration fees	Early registration(by Sept. 30)	Regular registration
IAEG member	\$595	\$645
No IAEG member	\$645	\$695
Students	\$395	
Accompanying person	\$295	

➤ Field excursion registration fee (if attend)

\$30 for Qingdao, including the transportation fees

\$90 for Shengli Oilfield, including transportation fees and accommodation (one night)

Payment Methods

➤ For credit cards issued outside China, please pay the registration fee by Paypal.

Paypal account: ismeg2016@sina.com.

When you pay the fees, please leave your name, country, email and registration fee (such as Geogre Obama, USA, ismeg2016@sina.com, registration fee) in the Remarks section.

➤ Onsite registration

You can pay the registration fee by POS or in cash.

After the registration fee, please contact the secretariat to confirm !

Confirmed Speakers

➤ Plenary Speakers



Dr. Britta Bienen,
Centre for Offshore Foundation Systems, University of Western Australia
Homepage: https://www.researchgate.net/profile/Britta_Bienen





Prof. Don J. Degroot

Geotechnical engineer, College of Engineering, Department of Civil and Environmental Engineering, University of Massachusetts Amherst
Homepage: <https://cee.umass.edu/faculty/don-degroot>



Prof. Manchao He

Academician, Director of State Key Laboratory for GeoMechanics and Deep Underground Engineering, China
Homepage: <http://www.skjgdu.com/article.asp?channel=8&classid=8>



Prof. Dong-Sheng Jeng

Griffith School of Engineering, Griffith University
Homepage: <https://experts.griffith.edu.au/academic/d.jeng>



Prof. C.Hsein Juang

Glenn Department of Civil Engineering, Clemson University
Co-Editor in Chief, Engineering Geology
Homepage: <http://www.clemson.edu/ces/departments/ce/people/faculty/juang.html>



Prof. Robert E. Kayen

Department of Civil and Environmental Engineering, University of California
Homepage: <http://www.cee.ucla.edu/faculty/kayen.htm>



Prof. James T. Liu

National Sun Yst-sen University, Taiwan
Homepage: https://www.researchgate.net/profile/James_Liu5



Prof. Tobias Mörz

Marine Ingenieurgeologie, Center for Marine Environmental Sciences, University of Bremen
Homepage: http://www.marum.de/en/Tobias_Moerz.html





Dr. Senior engineering, Nick Ramsey
Geoconsulting Leader – East Australia
Fugro – Advanced Geomechanics



Prof. Roger Urgeles
Departament de Geologia Marina,
Institut de Ciències del Mar, Barcelona, Spain
Homepage: <http://barcelona-ocean.com/training/professor/urgeles-roger>



Prof. Maarten Vanneste
Senior Geologist/Geophysicist,
Offshore Geotechnics Division, Norwegian Geotechnical Institute
Homepage: <http://www.ngi.no/en/About-NGI/Employees/Maarten-Vanneste/>



Prof. Sijing Wang
Academician
Institute of Geology and Geophysics, Chinese Academy of Sciences
Homepage: <http://www.enggeo.org/zzjj2.htm>

➤ Keynote Speakers

Alex N. Bandini-Maeder	Norwegian Geotechnical Institute, Perth Australia
Guoxing Chen	Nanjing Tech University
Fuping Gao	Chinese Academy of Sciences
Yufeng Gao	Hohai University
Yuxia Hu	University of Western Australia
Yu Huang	Tongji University
Jinhui Li	University of Western Australia
Ya Li	China National Offshore Oil Corporation
Haixiao Liu	Tianjin University
Jin Sun	University of Edinburgh
Dong Wang	Ocean University of China
Lizhong Wang	Zhejiang University



Qing Yang	Dalian University of Technology
Shaoli Yang	Norwegian Geotechnical Institute
Shengxiong Yang	Guangzhou Marine Geological Survey
Zhongqi Yue	University of Hong Kong
George Zhang	Fugro AG Pty Ltd, Perth, Australia
Ting Zhang	Woodside Petroleum Ltd.
Yangrui Zhou	China Oilfield Services Limited
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Contacts

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E-mail: 18051379505@163.com

Chaoqi Zhu (for paper submission)

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Bowen Zhang (for visa and travel)

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Should you require any further assistance, please do not hesitate to contact us.

Welcome to Qíngdao in October the Autumn!

