

Programme Schedule

	20 October	21 October	22 October		23 October	
Morning	Room A	Room A	Room B		Room B	Room C
	Short Course	Short Course	Plenary Speak		Topic 4	Topic 5
					Topic 3	
Afternoon	Room A	Room A	Room B	Room C	Room B	
	Short Course	Short Course	Topic 1	Topic 2	Plenary Speak	
				Topic 2 Topic 6		
Evening		Keynote Lecture on the Scientific Paper Writing [#]	Welcome Banquet Workshops*		Farewell Banquet	

Note: [#] The keynote lecture on the scientific paper writing “*How to get your paper published in an international research journal*” is given by Professor Charng Hsein Juang, co-editor in chief of Engineering Geology.

* Workshops for the IAEG–C34; IAEG–International Research Program; and Ocean Commission, Engineering Geology Committee of China.

Room A: No.3 Conference Room 2nd Floor Conference Center

Room B: No.2 Conference Room 3rd Floor Conference Center

Room C: Parry & Cavalier Room

Oral Presentation Schedule

22 October

Room: No.2 Conference Room 3rd Floor Conference Center

Topic	Time	Oral Presentations
Plenary Speak Chair: Dong-Sheng Jeng & Robert E. Kayen	08:30-09:00	Opening Session & Group Photo
	09:00-09:30	Engineering geology - A fifty year perspective <i>Charng Hsein Juang</i> Glenn Department of Civil Engineering, Clemson University, USA
	09:30-10:00	Geodisasters prediction based on double block mechanics theory <i>Manchao He</i> State Key Laboratory for Geomechanics and Deep Underground Engineering, China University of Mining & Technology, Beijing, China
	10:00-10:30	Use of CPT data to characterize relative density changes in granular soils - State of the art, new field data & tools, outlook toward CPTu cyclic in situ and lab testing <i>Tobias Mörz</i> Center for Marine Environmental Sciences and Faculty of Geosciences, University of Bremen, Germany
	10:30-10:45	Coffee Break
Plenary Speak Chair: Britta Bienen & Manchao He	10:45-11:15	Integrated marine geotechnical and geological engineering site investigation practice for offshore wind farm development <i>Don J. Degroot</i> Department of Civil and Environmental Engineering, University of Massachusetts Amherst, USA
	11:15-11:45	The need for multi-disciplinary approaches in offshore engineering and geohazards projects – Case studies and challenges <i>Maarten Vanneste</i> Norwegian Geotechnical Institute, Norway
	11:45-12:15	In-situ and laboratory testing – Their roles in developing reliable ground models <i>Nick Ramsey</i> Fugro AG Pty Ltd., Australia

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Room: No.2 Conference Room 3rd Floor Conference Center

Topic	Time	Oral Presentations
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Chair: Kiril Anguelov & Yangrui Zhou</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Topic 1. Engineering Characteristics of Marine Soil</p>	<p>14:00-14:20 Keynote</p>	<p>The engineering characteristics of marine soil and the failure mechanism of offshore foundation <i>Qing Yang</i> <i>State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, China.</i></p>
	<p>14:20-14:40 Keynote</p>	<p>Characterisation of marine deposits in layered profiles <i>Yuxia Hu</i> <i>School of Civil, Environmental and Mining Engineering, The University of Western Australia, Australia</i></p>
	<p>14:40-14:55</p>	<p>Experimental study on dynamic behaviour of soft marine clay under cyclic loading <i>Guanlin Ye</i> <i>Department of Civil Engineering and State Key Laboratory of Ocean Engineering, Shanghai Jiao Tong University, China</i></p>
	<p>14:55-15:10</p>	<p>Influences of gas content on acoustic responses of marine gas charged sand sediments <i>Yong Wang (Peng Cheng)</i> <i>State Key Laboratory of Geomechanics and Geotechnical Engineering, Institute of Rock and Soil Mechanics, Chinese Academy of Science, China.</i></p>
	<p>15:10-15:25</p>	<p>Unified description for mechanical properties of typical marine soil and its application <i>Yongqiang Li</i> <i>Key Laboratory of Earthquake Engineering and Engineering Vibration, Institute of Engineering Mechanics, China Earthquake Administration, China.</i></p>
	<p>15:25-15:40</p>	<p>Chemical electro-osmosis of high-salinity soft marine soil: Laboratory tests <i>Liping Jing</i> <i>Key Laboratory of Earthquake Engineering and Engineering Vibration, Institute of Engineering Mechanics, China Earthquake Administration, China</i></p>
	<p>15:40-15:55</p>	<p>Dredging: comparison of predicted and actual seafloor conditions, Tauranga, New Zealand. <i>Vicki Moon</i> <i>School of Science, University of Waikato, New Zealand</i></p>
	<p>15:55-16:10</p>	<p>Coffee Break</p>

22 October

Room: Parry & Cavalier Room

Topic	Time	Oral Presentations
Chair: Alex N. Bandini-Maeder & Guoxing Chen Topic 2. Regional Engineering Geology and Offshore Geohazards	14:00-14:20 Keynote	Geohazard risk management across the engineering development phase of offshore energy projects <i>Alex N. Bandini-Maeder</i> <i>Norwegian Geotechnical Institute-Perth, Australia</i>
	14:20-14:40 Keynote	Fundamental engineering characteristics of cohesive sediments and associated applications in the northern region of South China Sea <i>Ya Li</i> <i>China National Offshore Oil Corporation, China</i>
	14:40-14:55	Catastrophic submarine landslides with a sensitive weak layer <i>Wangcheng Zhang</i> <i>Centre for Offshore Foundation Systems, The University of Western Australia, Australia</i>
	14:55-15:10	Small friction slope (approximately 1 %) of debris flow in rotating flume tests and its mechanism <i>Jianliang Deng</i> <i>School of Naval Architecture, Ocean, and Civil Engineering, Shanghai Jiao Tong University, China</i>
	15:10-15:25	Laboratory experiments of autogenic fluvial progradation above incised-valley fills during sea-level rise <i>Chen Chen</i> <i>Department of Earth Sciences, University of Geneva, Switzerland</i>
	15:25-15:40	Collapsibility behavior of saline soil in Lanzhou-Xinjiang double line Railway <i>Huaiping Feng</i> <i>School of Civil Engineering, Shijiazhuang Tiedao University, China</i>
	15:40-15:55	Analysis of the stability of submarine slope <i>Tingkai Nian</i> <i>State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, China</i>
	15:55-16:10	Coffee Break

22 October

Room: No.2 Conference Room 3rd Floor Conference Center

Room	Time	Oral Presentations
<p style="text-align: center;">Chair: Yuxia Hu & Qing Yang</p> <p style="text-align: center;">Topic 1. Engineering Characteristics of Marine Soil</p>	<p style="text-align: center;">16:10-16:30 Keynote</p>	<p style="text-align: center;">The engineering properties of deep water sediments in the northern South China Sea continental slope <i>Yangrui Zhou</i> <i>Geophysical-China Oilfield Services Limited(COSL), China</i></p>
	<p style="text-align: center;">16:30-16:50 Keynote</p>	<p style="text-align: center;">The influence of the microstructures of the marine deposits on the construction of pile foundation systems <i>Kiril Anguelov</i> <i>University of Transport, Bulgaria</i></p>
	<p style="text-align: center;">16:50-17:05</p>	<p style="text-align: center;">Experimental study on creep characteristics of the deepwater clayey soils in the South China Sea <i>Zhaoyu Zhang</i> <i>Geophysical-China Oilfield Services Limited(COSL), China</i></p>
	<p style="text-align: center;">17:05-17:20</p>	<p style="text-align: center;">Dynamic response of multilayered seabed combined wave and current in Yellow River estuary <i>Hongjun Liu (Qi Yang)</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i></p>
	<p style="text-align: center;">17:20-17:35</p>	<p style="text-align: center;">A hydro-mechanical constitutive model for overconsolidated unsaturated soils <i>Wugang Li</i> <i>State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, China</i></p>
	<p style="text-align: center;">17:35-17:50</p>	<p style="text-align: center;">Macro-meso experimental research of effect of gradation on the compression characteristics of calcareous sand <i>Yang Shen</i> <i>Key Laboratory of Ministry of Education for Geomechanics and Embankment Engineering, Hohai University, China</i></p>
	<p style="text-align: center;">17:50-18:05</p>	<p style="text-align: center;">Experimental measurement of permeability of calcareous sands in South China Sea <i>Yin Wang</i> <i>State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, China.</i></p>
	<p style="text-align: center;">18:05-18:20</p>	<p style="text-align: center;">Real-time monitoring of offshore geo-structures by using innovative feedback sensing systems <i>Huafu Pei</i> <i>Department of Geotechnical Engineering, Dalian University of Technology</i></p>

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Room: Parry & Cavalier Room

Room	Time	Oral Presentations
Chair: Ya Li & Shaoli Yang Topic 2. Offshore Geohazards & Topic 6. Marine Engineering Geology in Offshore New Energy Development	16:10-16:30 Keynote	Deformation and resistance behaviors of sand- gravel mixtures under cyclic triaxial loading Guoxing Chen <i>Institute of Geotechnical Engineering, Nanjing Tech University, China</i>
	16:30-16:50 Keynote	Effects of gas hydrates dissociation on clays, foundations and submarine slope stability Shaoli Yang <i>Norwegian Geotechnical Institute, Norway.</i>
	16:50-17:10 Keynote	Long-term in-situ observations of engineering geological environment during hydrate production tests in deepwater Yonggang Jia <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University Of China, China</i>
	17:10-17:25	Effect of the principal stress direction on undrained cyclic behaviour of saturated silt using a hollow cylinder apparatus Zhenglong Zhou <i>Institute of Geotechnical Engineering, Nanjing Tech University, China</i>
	17:25-17:40	Effects of storm wave-induced liquefaction on the deformation of offshore monopile wind turbine in silty seabed Hu Wang <i>School of Marine Science and Technology, Tianjin University, China</i>
	17:40-17:55	Numerical modelling and experimental investigation of submarine landslides on weak slopes Yuhong Zhang <i>College of Engineering, Ocean University of China, China</i>
	17:55-18:10	In-situ observation of storm wave induced seabed deformation with the SLM-System Zhenhao Wang <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i>

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Room: No.2 Conference Room 3rd Floor Conference Center

Topic	Time	Oral Presentations
Chair: Jinhui Li & George Zhang Topic 4. Marine Engineering Geological Survey Technology and Data Analysis	08:00-08:20 Keynote	Probabilistic identification of soil stratification <i>Jinhui Li</i> <i>Harbin Institute of Technology, China</i>
	08:20-08:40 Keynote	The role of integrated geoscience (IGS) in offshore development <i>George Zhang</i> <i>Fugro AG Pty Ltd, Perth, Australia</i>
	08:40-09:00 Keynote	Advanced scientific diving: an essential tool in underwater scientific research <i>Leo L. Chan</i> <i>State Key Laboratory in Marine Pollution,</i> <i>City University of Hong Kong, China</i>
	09:00-09:15	The characteristics of the monitoring data from wave-induced silty seabed liquefaction <i>Guohui Xu</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i>
	09:15-09:30	Sound attenuation measurement of seafloor sediments in southern Yellow Sea <i>Xiangmei Meng</i> <i>Key Laboratory of Marine Sedimentology and Environmental Geology,</i> <i>First Institute of Oceanography, SOA, China</i>
	09:30-09:45	Calculation of sediment acoustic properties in an in-situ experiment <i>Guanbao Li</i> <i>Key Laboratory of Marine Sedimentology and Environmental Geology,</i> <i>First Institute of Oceanography, SOA, China</i>
	09:45-10:00	The implementation of byrne pore water pressure incremental model in ABAQUS <i>Bin Ruan</i> <i>Institute of Geotechnical Engineering,</i> <i>Nanjing Tech University, China</i>
10:00-10:15	Coffee Break	

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Room: Parry & Cavalier Room

Topic	Time	Oral Presentations
Chair: Fuping Gao & Lizhong Wang Topic 5. Submarine Soil-structure Interaction	08:00-08:20 Keynote	Offshore geotechnical problems in deepwater mooring techniques for large floating structures <i>Haixiao Liu</i> <i>School of Civil Engineering,</i> <i>Tianjin University, China</i>
	08:20-08:40 Keynote	Recent advances on the behaviour of driven piles penetrated into sand <i>Zhongxuan Yang</i> <i>Zhejiang University, China</i>
	08:40-08:55	Numerical modeling of scour beneath a pipeline in steady currents <i>Feng Xu</i> <i>Collaborative Innovation Center for Advanced Ship and Deep-Sea Exploration(CISSE), China</i>
	08:55-09:10	Experimental investigation of the keying behavior of gravity installed plate anchor in clay <i>Jun Liu</i> <i>State Key Laboratory of Coastal and Offshore Engineering,</i> <i>Dalian University of Technology, China</i>
	09:10-09:25	Probabilistic lifetime assessment of RC pipe piles exposed to marine environments <i>Wei Shao</i> <i>College of Ocean Science and Engineering,</i> <i>Shanghai Maritime University, China</i>
	09:25-09:40	Numerical modeling of wave-induced liquefaction around immersed tunnel <i>Hao Xiong</i> <i>Institute of Geotechnical Engineering,</i> <i>Nanjing Tech University, China</i>
	09:40-09:55	Laboratory flume experiment on the stratification formation of silty seabed under the cyclic action of wave loading <i>Mingzheng Wen</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i>
	09:55-10:15	Coffee Break

23 October

Room: No.2 Conference Room 3rd Floor Conference Center

Topic	Time	Oral Presentations
<p style="text-align: center;">Chair: Yu Huang & Jin Sun Topic 3: Coastal Engineering Geology</p>	<p>10:15-10:35 Keynote</p>	<p style="text-align: center;">Rheology of fully-saturated dense granular media and its implications for geophysical flows <i>Jin Sun</i> <i>School of Engineering,</i> <i>The University of Edinburgh, UK</i></p>
	<p>10:35-10:55 Keynote</p>	<p style="text-align: center;">Failure mechanism of the Qiantang ancient seawall structure, China <i>Lizhong Wang</i> <i>College of Civil Engineering and Architecture,</i> <i>Zhejiang University, China</i></p>
	<p>10:55-11:15 Keynote</p>	<p style="text-align: center;">Analysis of coastal and marine geological hazards: some recent developments <i>Yu Huang</i> <i>Department of Geotechnical Engineering, College of Civil Engineering,</i> <i>Tongji University, China</i></p>
	<p>11:15-11:30</p>	<p style="text-align: center;">An experimental investigation on the slope stability during water level drawdown using transparent soils <i>Wanghua Sui</i> <i>School of Resources and Geosciences,</i> <i>China University of Mining and Technology, China</i></p>
	<p>11:30-11:45</p>	<p style="text-align: center;">Geo-granular collapse: from granular jamming to failure <i>Hu Zheng</i> <i>School of Earth Science and Engineering,</i> <i>Hohai University, China</i></p>
	<p>11:45-12:00</p>	<p style="text-align: center;">Analysis on sediment velocity characteristics and its influence factors in northern slope of the South China Sea <i>Qingsheng Meng</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i></p>
	<p>12:00-12:15</p>	<p style="text-align: center;">Near-bed suspended sediment concentration change and source in the Yellow River delta-front <i>Bowen Li</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i></p>

23 October

Room: Parry & Cavalier Room

Topic	Time	Oral Presentations
<p style="text-align: center;">Chair: Haixiao Liu & Zhongxuan Yang Topic 5. Submarine Soil-structure Interaction</p>	<p>10:15-10:35 Keynote</p>	<p>Mechanism for competition between lateral instability and tunnel scour of a submarine pipeline <i>Fuping Gao</i> <i>Institute of Mechanics, Chinese Academy of Sciences, China.</i></p>
	<p>10:35-10:55 Keynote</p>	<p>The title has not been decided <i>Zhenyu Yin</i> <i>Tongji University</i></p>
	<p>10:55-11:10</p>	<p>Wave-induced seabed response around an offshore pile foundation platform <i>Qi Zhang</i> <i>Collaborative Innovation Center for Advanced Ship and Deep-Sea Exploration, China</i></p>
	<p>11:10-11:25</p>	<p>Numerical modelling of spudcan penetration in stratified seabed deposits <i>Jingbin Zheng</i> <i>Centre for Offshore Foundation Systems, The University of Western Australia, Australia.</i></p>
	<p>11:25-11:40</p>	<p>Research on the method of structural health monitoring of offshore wind power station platform based on fiber optic sensing technology <i>Bin Shi</i> <i>Center for Engineering Monitoring with Opto-Electric sensing, Nanjing University, China</i></p>
	<p>11:40-11:55</p>	<p>Time adaptive numerical method of seabed pull-out capacities <i>Xiaowei Tang</i> <i>Institute of Geotechnical Engineering, Dalian University of Technology, China</i></p>
	<p>11:55-12:10</p>	<p>Numerical analysis of the static and dynamic interaction between mooring chain and seabed <i>Kanmin Shen</i> <i>Research Center of Coastal and Urban Geotechnical Engineering, College of Civil Engineering and Architecture, Zhejiang University, China</i></p>

23 October

Room: No.2 Conference Room 3rd Floor Conference Center

Topic	Time	Oral Presentations
Plenary Speak Chair: Don J. Degroot & Qingping Li	14:00-14:30	Slope instability of arctic trough mouth fans: an example off Storfjorden, NW Barents Sea <i>Roger Urgeles</i> <i>Institute of Marine Sciences, Barcelona, Spain</i>
	14:30-15:00	Large deformation analysis in offshore geotechnical engineering <i>Dong Wang</i> <i>Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering, Ocean University of China, China</i>
	15:00-15:30	Gravity flow in submarine canyons that damaged undersea communication cables: examples from SW Taiwan <i>James T. Liu</i> <i>National Sun Yst-sen University, Taiwan, China</i>
	15:30-16:00	Interactions between fluid and marine sediments <i>Dong-Sheng Jeng</i> <i>School of Engineering, Griffith University, Australia</i>
	16:00-16:15	Coffee Break
Plenary Speak Chair: James T. Liu & Maarten Vanneste	16:15-16:45	Offshore wind farms: Prediction of foundation behavior <i>Britta Bienen</i> <i>Centre for Offshore Foundation Systems, The University of Western Australia, Australia</i>
	16:45-17:15	Engineering Characteristics and Risk Assessment of Shallow Gas Hydrate in Deepwater <i>Qingping Li</i> <i>China National Offshore Oil Corporation, China</i>
	17:15-17:45	Seafloor slope instability under earthquake loads <i>Robert E. Kayen</i> <i>Civil & Environmental Engineering, University of California, USA</i>
	17:45-18:15	Close Session