ISFOG 2025

PROGRAMME

5TH INTERNATIONAL SYMPOSIUM ON FRONTIERS IN OFFSHORE GEOTECHNICS

9TH-13TH JUNE 2025

LA CITÉ NANTES CONGRESS CENTRE

5 rue de Valmy, 44000 Nantes, France

Organized under the auspices of the ISSMGE Technical Committee TC 209

Université Gustave Eiffel

ASconnect évènement | Congress Organizer
Tel. + 33 2 40 20 15 95
www.asconnect-evenement.fr

Committees

Organizing Committee

Co-Chair:
Luc Thorel (Université Gustave Eiffel)
Elisabeth Palix (EDF Renewables)

Co-General secretary:
Christelle Abadie (Université Gustave Eiffel)
Sylvie Bretelle (Antea Group)

Treasurer:
Thierry Dubreucq (Université Gustave Eiffel)

Co-Chair scientific committee:
Régis Wallerand (Total Energies)
Matthieu Blanc (Université Gustave Eiffel)

Administrative secretary:
Anne-Laure Morand (Université Gustave Eiffel)

PCO:
Stéphanie Delbecq (AS connect évènement)

Honorary Member:
Alain Puech (Fugro)

Members:
Jean-Christophe Ballard (Fugro)
Denys Borel (Fugro)
David Colliard (Total Energies)
François Coste (Technip Energies)
Anaïs Coulon-Toutain (Université Gustave Eiffel)
Christophe Dano (Université Grenoble Alpes)
Dinh-Hong Doan (Total Energies)
Sandra Escoffier (Université Gustave Eiffel)
Dominique Follut (Weamec)
Emmanuelle Gautier (Cathie Group)
Judith Lascols (BayWa.re)
Christelle Laurent (Université Gustave Eiffel)
Donatienne Leparoux (Université Gustave Eiffel)
Zheng Li (Université Gustave Eiffel)
Hussein Mroueh (Université Lille)
Edy Serra (Subsea 7)
Cristian Soriano-Camelo (Université Gustave Eiffel)
Abed Soubra (Nantes Université)
Benjamin Souviat (Oxan Energy)
Nabil Sultan (Ifremer)
An-Ninh Ta (Saipem)

Scientific Committee

Martin Achmus (Germany)
Marcos Arroyo (Spain)
Andy Barwise (United Kingdom)
Jorge Castro (Spain)
Yun Wook Choo (South Korea)
Diego De Freitas Fagundes (Brazil)
Ahmed Elkadi (Egypt)
Xiaowei Feng (China)
Christophe Gaudin (Australia)
Ken Gavin (Ireland)
Susan Gourvenec (United Kingdom)
Jürgen Grabe (Germany)
Sumanta Haldar (India)
David Igoe (Ireland)
Richard Jardine (United Kingdom)
Philippe Jeanjean (United States)
Dirk Luger (Netherland)
Alistair Muir Wood (United Kingdom)
Ana Page (Norway)
Jose Parra (Venezuela)
Federico Pisanò (Italy)
Fabio Sawada Cutrim (Brazil)
Bruno Stuyts (Belgium)
Bas Van Dijk (Netherland)
Lizhong Wang (China)
Phil Watson (Australia)
Zachary Westgate (United States)

Editorial Board

Lead Editor:
Christelle Abadie

Co-Editors:
Luc Thorel
Matthieu Blanc
Zheng Li

Theme Editors :
Martin Achmus
Jean-Christophe Ballard
Britta Bienen
Sylvie Bretelle
Denys Borel
Róisín M. Buckley
Benjamin Cerfontaine
Francois Coste
Jamie Crispin
Christophe Dano
Hong Doan
Christophe Gaudin
Emmanuelle Gautier
David Igoe
Orianne Jenck
Katherine Kwa
Judith Lascols
Donatienne Leparoux
Zheng Li
Tingfa Liu
Haoyuan Liu
Elisabeth Palix
Ana Page
Stavros Panagoulias
Federico Pisanò
Giulia Macaro
Ross McAdam
Hussein Mroueh
Alastair Muir Wood
Emilio Nicolini
Iona Richards
Shengjie Rui
Anurag Sahare
Edy Serra
Avi Shonberg
Luc Simonin
Cristian Soriano-Camelo
Abed Soubra
Benjamin Souviat
Bruno Stuyts
Stephen Suryasentana
An-Ninh Ta
Regis Wallerand
Phil Watson
Zachary Westgate
Zefeng Zhou

Our Keynote Speakers

McClelland Lecture

Philippe JEANJEAN
BP AMERICA, United States

Keynote Lectures

Lizhong WANG
Zhejiang University, China

Britta BIENEN
University of Western Australia, Australia

Carl ERBRICH
Fugro Geoconsulting, Australia

Elisabeth PALIX
EDF Renewables, France

Alistair MUIR WOOD/
Christian LEBLANC THILSTED
Wood Thilsted, The United Kingdom

Finn LØVHOLT
Norwegian Geotechnical Institute, Norway

Bright Spark Lectures

Christelle ABADIE
Université Gustave Eiffel, France

Shengjie RUI
Norwegian Geotechnical Institute, Norway

Open Mind Lectures

Marie-Anne CAMBON
Ifremer Center Bretagne, France

Christophe GAUDIN
UWA Oceans Institute,
Marine Energy Research, Australia

Conference Overview

DAY 0
MON. 9TH JUNE

MORNING

5TH INTERNATIONAL SYMPOSIUM ON FRONTIERS IN OFFSHORE GEOTECHNICS

9TH-13TH JUNE 2025

LA CITÉ NANTES
CONGRESS CENTRE

5 rue de Valmy
44000 Nantes, France

FULL PROGRAMME AVAILABLE AT:

PROCEEDING AVAILABLE AT:

AFTERNOON

EVENING

17:30 - 18:00
Welcome Ceremony
ROOM 450

18:00 - 19:30
Welcome Drinks Reception
Sponsored by NGI and VJ TECH

DAY 1
TUES. 10TH JUNE

8:00

8:30

Plenary Session ROOM 800

Opening Ceremony

Bright Spark Lecture:
Christelle Abadie,
University Gustave Eiffel, France
Shared Anchor Pile Response to Multi-Directional Lateral Cyclic Loading.

Keynote Lecture:
Christian Leblanc & Alistair Muir Wood,
Wood Thilsted, UK
Evolving Offshore Wind: Technical Advances and Commercial Realities.

Flash Presentations (4)

10:00

Coffee Break & Poster Session
Sponsored by ARUP

10:30

5 Parallel Sessions:

- ROOM 800: Testing on Monopiles
- ROOM 450: Machine Learning
- ROOM 200: Site Investigation
- ROOM GH: Suction-Installed Foundations
- ROOM KL: Plate & Drag Anchors

12:00

Bright Spark Lunch & Poster Session
Sponsored by RINA

13:30

Plenary Session ROOM 800

Keynote Lecture:
Elisabeth Palix, EDF Renewables, France
Offshore Wind Turbine Foundations on Rocky Formations - The French Experience.

Theme lectures (3)

Flash Presentations (4)

15:00

Coffee Break & Poster Session
Sponsored by TECHNIP ENERGIES

15:30

5 Parallel Sessions:

- ROOM 800: Monopile Dynamic Loading and Cyclic Drainage
- ROOM 450: Ground Model
- ROOM 200: CPT / Seismic Investigation
- ROOM GH: Pile Installation
- ROOM KL: Spudcans

17:20 - 20:30

Evening Event ROOM 800

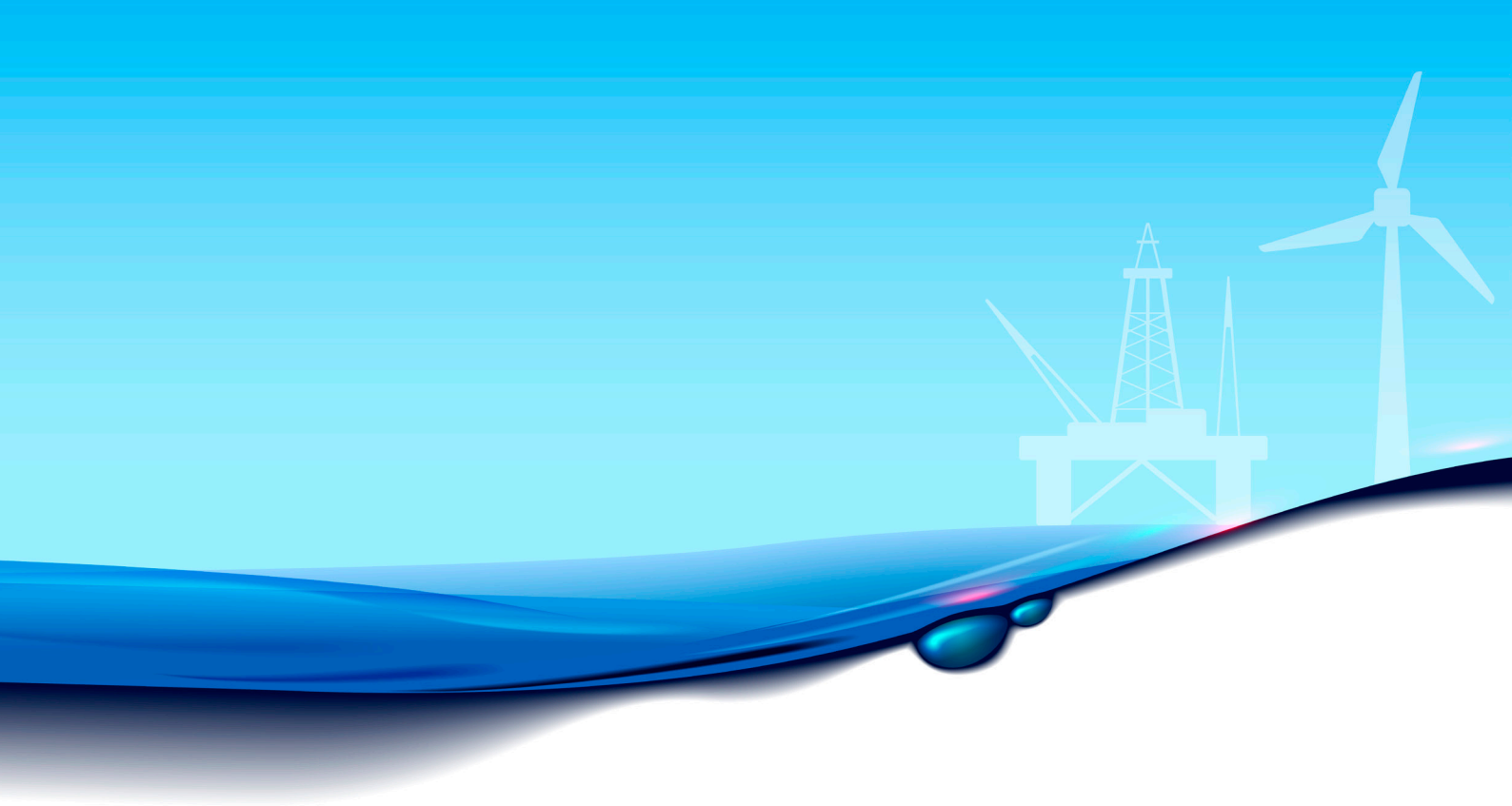
Sponsors Presentations

Bright Spark Lecture:
Shengjie Rui, Norwegian Geotechnical Institute
Mooring Line and Anchor-Seabed Interaction for Floating Wind Turbines.

McClelland Lecture:
Philippe Jeanjean BP America, USA
Learning from Offshore Field Performance.

McClelland Lecture Cocktail Drinks
Sponsored by EDF RENOUVELABLES

DAY 2 WED. 11TH JUNE	DAY 3 THUR. 12TH JUNE	DAY 4 FRI. 13TH JUNE
Registration		
Plenary Session ROOM 450/200 **Open Mind Lecture:** *Christophe Gaudin, UWA Oceans Institute, Australia* Wave Energy: The New Gold Rush? **Keynote Lecture:** *Lizhong Wang, Zhejiang University, China* Offshore Wind Turbine Foundation: Challenges and Practices in China **Theme lecture (1)** Flash Presentations (4)	**Plenary Session** ROOM 450/200 **Open Mind Lecture:** *Marie-Anne Cambon, Ifremer, France* Down to the Bottom: Diving at 3600 meters Depth Exploring Amazing Deep-Sea Ecosystems **Keynote Lecture:** *Finn Lovholt Norwegian Geotechnical Institute, Norway* Submarine Landslides – From Process Understanding to Hazard Assessment **Theme lectures (2)**	**Technical Visit** 07:00 - 15:00 **Visit of the St. Nazaire Wind Farm** Meeting point: Cité des Congrès Sponsored by DEME
Coffee Break & Poster Session Sponsored by TOTAL ENERGIES	Coffee Break & Poster Session Sponsored by BENTHIC	
5 Parallel Sessions: • ROOM 450: Monopile Cyclic Design • ROOM 200: Behaviour of installed piles • ROOM GH: Interfaces / Lab Tests • ROOM KL: Suction Anchor Behaviour • ROOM J: Gravity Base Foundations	**5 Parallel Sessions:** • ROOM 450: Monopile Capacity &Installation • ROOM 200: Helical & Torpedo Anchors • ROOM GH: Constitutive Modelling • ROOM KL: Piles in Specific Soils • ROOM J: Cables	
Lunch & Poster Session Sponsored by COFS/ NGCF	Lunch & Poster Session Sponsored by VENTERRA	
Plenary Session ROOM 450/200 **Keynote Lecture:** *Britta Bienen, University of Western Australia* Suction Bucket Foundations for Offshore Wind Turbines **Theme lectures (3)** Flash Presentations (5)	**5 Parallel Sessions:** • ROOM 450: Design Standards • ROOM 200: Shared & Ring Anchors • ROOM GH: Pile Behaviour • ROOM KL: Suction Bucket and Jackets • ROOM J: Pipelines	
Coffee Break & Poster Session	Coffee Break & Poster Session	
5 Parallel Sessions: • ROOM 450: Monopile Frequency, Stiffness and Damping • ROOM 200: Cyclic & AI Constitutive Modelling • ROOM GH: Geohazards • ROOM KL: Site Characterization • ROOM J: Vertically Loaded Piles	**Plenary Session** ROOM 450/200 **Keynote Lecture:** *Carl Erbrich Fugro Geoconsulting, Australia* Modelling and Avoiding Pile Free Fall in Offshore Design. **Theme lectures (3)** 17:00 Closing Ceremony	
17:45 - 00:00 **Gala Dinner** Sponsored by FUGRO **Meeting point:** Les Bâteaux Nantais Pl. Waldeck Rouseau, Nantes		



5TH INTERNATIONAL SYMPOSIUM ON FRONTIERS IN OFFSHORE GEOTECHNICS

Monday 9th June

WELCOME DESK

16:30 Opening of the registration and exhibition

ROOM 450

17:30 **Welcome ceremony** *chaired by Elisabeth Palix and Luc Thorel*

EXHIBITION

18:30 **Welcome cocktail reception**, sponsored by NGI and VJ TECH

Tuesday 10th June

ROOM 800

08:30 **Opening ceremony** *chaired by Elisabeth Palix and Luc Thorel*

ROOM 800

PLENARY SESSION I

Chaired by Phil Watson and Sylvie Bretelle

08:42 **Bright Spark Lecture I**
Shared Anchor Pile Response to Multi-Directional Lateral Cyclic Loading.
Christelle Abadie, Université Gustave Eiffel, FR

09:06 **Keynote Lecture**
Evolving Offshore Wind: Technical Advances and Commercial Realities.
Christian Leblanc and Alistair Muir Wood, Wood Thilsted, UK

09:44 **Flash Presentations**

- Experimental Investigation of the Drainage Response around a Large Diameter Monopile. *Rory Fleminger*
- Shaft capacity ageing trends of onshore and offshore piles driven in sand. *Alexander Busch*
- Driven Jacket Piles Installed in Weak Triassic Rock in the North Sea. *Sarunas Bartkus*
- Experimental analysis of the response of open-ended pipe piles to static and cyclic axial loading using digital image correlation. *Daniel Fridman*

ROOM 800

PLENARY SESSION II

Chaired by Régis Wallerand and Ana Page

13:30 **Keynote Lecture**
Offshore Wind Turbine Foundations on Rocky Formations – The French Experience.
Elisabeth Palix, EDF Renewables, FR

14:08 **Theme Lecture**
Optimising back analyses of offshore pile driving in weak rocks with a data-driven approach.
Serena Che, Geotechnical Consulting Group

14:20 **Theme Lecture**
Mooring and anchoring systems for floating offshore renewable energy: Seabed and embedded chain-anchor interactions and optimisations in sand.
Katherine Kwa, University of Southampton

14:32 **Theme Lecture**
GEOLAB Blind Prediction Contest: Winning Methods for Predicting Pile Behaviour under Monotonic and Cyclic Lateral Loading.
Pishun Tantivangphaisal, Imperial College London and Hauke Zachert, TU Darmstadt

14:44 **Flash Presentations**

- Centrifuge Modelling of Shallow Foundations Subjected to Multi-directional Cyclic Lateral Loading. *Chisom Ifeobu*
- Centrifuge modelling of cyclic loading on suction anchors in soft clay. *Cristian Soriano-Camelo*
- Centrifuge testing and numerical modelling of cyclically loaded monopiles in clay: Set up and early findings of the MIDASclay project. *Evangelos Kementzetzidis*
- Deeply embedded ring anchor for offshore floating structures. *Huan Wang*

ROOM 800

17:20 **Sponsors presentations - FUGRO and DEME**

ROOM 800

PLENARY SESSION III

Chaired by Phil Watson and Susan Gouvernec

17:30 **Bright Spark Lecture II**
Review of mooring line and anchor-seabed interaction for floating wind turbines.
Shengjie Rui, Norwegian Geotechnical Institute, NO

17:55 **Mc CLELLAND Keynote Lecture**
Learning from offshore field performance. *Philippe Jeanjean, BP America, US*

Wednesday 11th June

ROOM 450/200

PLENARY SESSION IV

Chaired by Luc Thorel and Katherine Kwa

08:30 **Open Mind Lecture**
Wave Energy: The New Gold Rush?
Christophe Gaudin, University of Western Australia, Oceans Institute, AU

08:54 **Keynote Lecture**
Offshore Wind Turbine Foundation: Challenges and Practices in China.
Lizhong Wang, Zhejiang University, CN

09:32 **Theme Lecture**
Jetted helical anchors in sand: a torque reducing technique.
Juliano Nietiedt, University of Western Australia

09:44 **Flash Presentations**

- Using Machine Learning Clustering Techniques as a Support for Optimizing the Laboratory Testing Campaign of an Offshore Wind Farm. *Amandine Brosse*
- A new robotic CPT p-y module for offshore seabed characterisation and offshore pile design. *Kai Wen*
- Development of an integrated ground model for IJmuiden Ver Gamma using geology, geophysics and geotechnics. *Rasmus Klinkvort*
- Investigations into end constraints and specimen conditioning in direct simple shear testing of sands. *Anders Hust Augustesen*

ROOM 450/200

PLENARY SESSION V

Chaired by Orianne Jenck and Avi Schonberg

13:30 **Keynote Lecture**
Suction Bucket Foundations for Offshore Wind Turbines.
Britta Bienen, , University of Western Australia, AU

14:08 **Theme Lecture**
Field observations from large scale Suction Bucket Jacket installation for an Offshore Wind Farm in East China Sea.
Carlo Brandolini, Geowynd

14:20 **Theme Lecture**
A stabilized semi-implicit MPM approach to model pile penetration into saturated clay.
Sai Fu, PowerChina Huadong Engineering Corporation Limited

14:32 **Theme Lecture**
Calibration of Undrained Shear Strength Probability Density Function of an Offshore Clay Profile in the Gulf of Mexico using CPT Data and Slope Stability Analyses.
Rodolfo Sancio, Geosyntec Consultants

14:44 **Flash Presentations**

- A back-analysis of suction caisson self-weight penetration records from Seagreen 1 offshore wind farm. *Stephen Suryasentana*
- Back-calculated operative sand friction angles from 384 spudcan penetration records in sandy seabeds. *Sophie Smith and David Edwards*
- Back-Analysis of Deep Embedment of a Heavy Pipeline in Very Soft Clays. *Jean-Christophe Ballard*
- A Cyclic Design Framework for Assessing Seismic Stability of Submarine Slopes. *Sidney Lam*
- In Situ Observations From A Suction Bucket Jacket Supporting Offshore Wind Turbines: An Update. *Michael Harte*

Thursday 12th June

ROOM 450/200

PLENARY SESSION VI

Chaired by Christelle Abadie and Benjamin Cerfontaine

08:30 **Open Mind Lecture**
Down to the Bottom: Diving at 3600 meters Depth Exploring Amazing Deep-Sea Ecosystems.
Marie-Anne Cambon, IFREMER, FR

08:54 **Keynote Lecture**
Submarine Landslides – From Process Understanding to Hazard Assessment.
Finn Lovholt, Norwegian Geotechnical Institute, NO

09:32 **Theme Lecture**
Concept design and preliminary testing towards a new ROBOCONE t-z module for in-situ cyclic soil characterization.
Ahmad El Hajjar, University of Bristol

09:44 **Theme Lecture**
The effect of spatial variability in undrained shear strength on the ultimate capacity of plate anchors.
Alessio Mentani, University of Bologna

ROOM 450/200

PLENARY SESSION VII

Chaired by Elisabeth Palix and Matthieu Blanc

15:30 **Keynote Lecture**
Modelling and Avoiding Pile Free Fall in Offshore Design.
Carl Erbrich, Fugro Geoconsulting, AU

16 :08 **Theme Lecture**
Pile penetration into scour protection with DEM model.
Ivan Terribile, Cathie

16:20 **Theme Lecture**
Bayesian Inference for Constitutive Model Calibration.
Clara Edmonds, Ørsted

16:32 **Theme Lecture**
Considerations for a Reliability-based Foundations Design in Varying Rock Mass conditions.
A Review from the Saint Brieuc Offshore Windfarm.
Agustin Bertossa, RES Group

ROOM 450/200

16:44 **Closure ceremony** *chaired by Phil Watson and Christelle Abadie*

Tuesday 10th June

10:30-12:00 - PARALLEL SESSIONS

ROOM 800	ROOM 450	ROOM 200	ROOM GH	ROOM KL
Testing on Monopiles	Machine Learning	Site Investigation	Suction installed foundations	Plate / Drag anchors
Iona Richards and Zach Westgate	*Amandine Brosse and Bruno Stuyt*	*Francesca Civaglia and Benjamin Souviat*	*Judith Lascols and Cristian Soriano-Camelo*	*Katherine Kwa and Zefeng Zhou*
10:30				
Monopiles on the edge: Insights from recent centrifuge tests - *Thien An Nguyen*	Advancing offshore site characterization practices through intelligent data utilisation - *Timo Zheng*	Geotechnical site characterisation challenges for floating offshore wind – a developer's perspective - *S. de Wit*	Literature Review of the State-of-the-Art of the use of Numerical Methods and Installation Data for Suction Caisson Foundations - *Eirik Nilsen*	The Flexibly Embedded Plate Anchor: An efficient and adaptable anchoring system for floating wind - *John Morton*
10:37				
Centrifuge modeling of an OWT monopile foundation in saturated sand subjected to cyclic dynamic storm loading - *Jacob Chacko*	Comparison of Machine Learning Models in a Data-Driven Method for Design of Laterally Loaded Monopiles Embedded in Layered Clay Sites - *Ioannis Kamas*	Discussion on SI strategy for the Foundation design and installation assessment for pre-investigated sites - *Andy Barwise*	Insights On Suction Pile Offshore Installation in West African Deep Water Field - *Zineb Abchir*	The evolution of suction beneath plate anchors under uplift loading - *Quanzhen Chen*
10:44				
Short piles response to lateral loading in dense sand at Blessington - *David Igoe*	Streamlined workflows for offshore wind farm soil design parameter derivation and foundation concept screening - *Oda Mohus*	Site Investigation Strategies for Offshore Wind Development in Asia-Pacific - *J. Lakeman*	Evaluating calculation methods for suction-assisted installation techniques in dense sand: A comparative study - *Tulio Quiroz*	Modelling plate anchor response during keying and in operation: a coupled effective stress macro-element model - *Conleth O'Loughlin*
10:51				
Measurement of soil response to laterally loaded piles using distributed fibre optic sensing - *Rami Chalhoub*	An Application of Machine Learning to Predicting Shear Wave Velocity of Marine Sand - *Xiaoyan Long*	Evaluation of the available SPT-CPT correlations for the liquefaction assessment of offshore wind farm in APAC - *Pauline Suzuki*	Back-analysis of suction pile installation records in intermediate soils - *Kevin Duffy*	Numerical modelling of circular plate anchors in sand under partially drained cyclic loading - *Anamitra Roy*
10:58				
Lateral Load Field Testing of Monopiles in Dense Sand at Kilmuckridge - *David Igoe*	Predicting Shear Wave Velocity from Cone Penetration Test Data Using↑ Machine Learning: A Case Study on Sensitive Soft lacustrine Clays - *Seyedmohsen Miraei*	A framework for dynamic full-flow penetrometer analysis - *Majid Nazem*	An X-ray computed tomography (CT) assessment of soil movement during suction caisson installation - *Christopher Galen O'Donovan*	Utilising temporal changes in soil strength to optimise plate anchor design - *Ci Wang*
11:05				
Physical modelling of cyclically loaded monopiles in sand: the MIDAS centrifuge testing programme - *Huan Wang*	Machine learning approach for predicting plug heave for suction caissons in cohesionless soil - *Fabian Kamp*	Drivers for acquiring 3D UHRS data across offshore wind farms - *Vicky Catterall*	Installing offshore bucket foundations – insights from hydro-mechanical large deformation numerical modelling - *Wangcheng Zhang*	Geometrical Optimaization of Extendable Plate Anchor for Floating Offshore Wind through 1G Model Test - *Shun Nomura*
11:12				
Testing and modelling of cyclic monopile behaviour in sand: highlights and insights from the MIDAS project - *Federico Pisanò*	Exploring the use of machine learning to support anchor pile design at unseen seabed locations - *Qianbiao Liu*	The Effect of Shallow Gas on the Performance of Pile Foundation for Offshore Jacket Platform in Malaysian Waters - *Noorizal Nasri Huang*	Finite element analysis of drained pull-out capacity of suction buckets using an advanced constitutive model - *Hans Petter Jostad*	Testing of Drag Embedment Anchors Under Uplift and Out Of Plane Loading in Sand Soil Conditions. - *Roderick Ruinen*
11:19				
PICASO: Cyclic loading of wind turbine monopiles - *Byron Byrne*	Using PCE metamodels to analyse the uplift capacity of circular plate anchors in sand - *Mentani Alessio*	Data Integration and Modeling to Estimate the Reference Seabed Level (RSBL) for Cable Burial - *Marilena Calarco*	A simplified procedure for pull-out capacity of suction buckets under varying average net tensile load - *Raffaele Ragni*	Centrifuge modelling of drag embedment anchors subjected to inclined loading for floating wind - *Craig Davidson*
11:26				
Cyclic Lateral Loading of Monopiles in Sand – Model Testing - *Rachel Keane*	Application of an extended Kalman filter for obtaining low-strain DST shear damping ratio estimates - *Erick Baziw*	Integrating legacy data and regional geology to anticipate carbonate sediment properties at new locations (Australia) - *Ulysse Lebrec*	Generalized failure envelope approach for suction anchors - *Zefeng Zhou*	Feasibility and Performance of Drag Embedment Anchors in Weak Rock Seabeds for Offshore Foundation Systems - *Fabio Airoldi*
11:33				
Cyclic loading of monopiles at a saturated dense sand site in Germany - *Byron Byrne*	Optimising Laboratory Test Quantities using Bayesian Statistics - *Joek Peuchen*	Fluid-particle dynamics in submarine landslide impacts on intruders: a numerical study - *Andrea Pasqua*	Experimental Study on the Long-term Evolution of the Uplift Bearing Capacity of Suction Anchor -	Numerical and Experimental Investigations of a Novel Drag Anchor Design for Enhanced Penetrability and Holding Capacity - *Chuheng Wu*
11:40				
Lateral Response of 10m Diameter Pile from Centrifuge Testing - *Indrasenan Thusyanthan*	Advanced Machine Learning PCPT Interpretation in Offshore Geotechnical Investigations - *Ivan Cazarez*	Modelling the Interaction of an Offshore Wind Farm with a Marine Dune Field: A Case Study in the Southern North Sea - *Noémie Durand*	Strength increase of a marine clay-steel interface - Implications for Offshore Skirted Structure Recovery - *Sabine Gehring*	Shear Plane Analysis of Deployable Anchors and Insights from X-ray Microtomography - *Ryan Beemer*
11:47				
Gentle Driving of Piles: Proof of Concept Laboratory Scale Tests - *Maria Konstantinou*	Cloud-Based Freeware Webapps for Offshore Foundation and Anchor System Design - *Susan Gourvenec*			

15:30-17:00 - PARALLEL SESSIONS

ROOM 800	ROOM 450	ROOM 200	ROOM GH	ROOM KL
Monopile Dynamic Loading and cyclic drainage	**Ground Model**	**CPT / seismic investigation**	**Pile Installation**	**Spudcans**
Sandra Escoffier and Stavros Panagoulias	*Catriona Macdonald and Zheng Li*	*Pauline Suzuki and Lorenzo Zuccarino*	*Abigail Bateman and Zefeng Zhou*	*Helen Dingle and Emilio Nicolini*
15:30				
Numerical investigation of the effect of partial drainage on the cyclic response of a monopile in porous elastic soil - *Ryan Chia*	A ground modelling framework for offshore wind farm developments - *Thomas Langford*	Evaluation of Gmax CPT Correlations on Offshore Wind Farm Sites in the Netherlands - *Sinéad Áine Reidy*	Assessment of the soil resistance to driving models for vibro installation of large diameter monopiles - *Hakan Köpüklü*	Geo Automation and Integration of Wind Turbine Jack-up Installation Data - *Can Mollaibrahimoglu*
15:37				
Forecasting the Long-term Performance of Monopiles in Sand: Influence of the Constitutive Model and Drainage Conditions - *Lucian Canales Brenlla*	A review of benefits and pitfalls for prediction of geotechnical parameters in Offshore Wind ground models using Synthetic CPTs. - *Richard Pike*	CPT based Soil Behaviour Type Material Index (Ic) Parameter for Carbonate Sediments - *Shambhu S. Sharma*	Feasibility of Piles Vibrodriving in Clayey Soils - *Ismat El Haffar*	Spudcan-Pile Interaction during Installation of Piles for Offshore Wind Turbines - *Patrick Staubach*
15:44				
Drainage Conditions Around Monopiles in Sand Under Cyclic Loading - *Kostas Kaltekis*	Early-Stage Ground Modelling in a Mediterranean Shelf Margin: a Sequence Stratigraphic Approach - *Giuseppe Malgesini*	3D Spatial Modeling of CPT Data for Probabilistic Preliminary Assessment of Potential Pile Tip Damage upon Collision with Boulders - *Orestis Zinas*	Physical Modelling of Vibro-driven Piles in Sand - *Britta Bienen*	Determination of the Peak Vertical Punch-Through Foundation Capacity of Jack-Up Vessels in a Multi-Layered Seabed - *Mehmet Ilciolgu*
15:51				
Numerical investigations on the capacity decrease of monopiles in sand due to cyclic loading - *Martin Achmus*	Regional analysis of layered soils in the shallow subsurface across the North Sea for offshore cable burial - *Duncan Stevens*	Extended Processing Method for CPT Sleeve Friction - *Nico Parasie*	Influence of vibro-driver frequency on pile penetration in dry sand in a geotechnical centrifuge - *Luc Simonin*	Analyses of Spudcan Penetration and its Effect on an Adjacent Offshore WTG Monopile Foundation - *Vasileios Drosos*
15:58				
Advanced vs Simplified Design Approaches for Monopiles in Seismic Areas - *Omar Zanoli*	Variability of mechanical properties in Bolders Bank till - *Emil Ushev*	Estimating fines content directly from CPTU data in saturated natural soils using the Ipzo parameter - *Nick Ramsey*	Design of Vibro-Installed Offshore Monopiles in Sand - *Sebastian Elliott*	Evaluation of peripheral effects during leg penetration and withdrawal by centrifuge loading model tests in alternating soil layers and reproduction analysis by MPM analysis - *Y. Maeda*
16:05				
Influence of Soil Nonlinearity on the Seismic Behaviour of Monopile Foundations - *Fabian Ortiz*	Formation and Implications of Glacially-derived Gravel Lag Deposits; Mapping a Geo-constraint to Shallow Offshore Infrastructure - *Leah Arlott*	On the development of a novel marine seismic cone penetration testing (SCPT) system - *Harold Christian*	Influence of Hook Load on Vibro-driven Pile Installation in Sand - *Britta Bienen*	Spudcan penetration on a sloped seabed: Model tests in clay - *Yifa Wang*
16:12				
Designing Offshore Monopiles in Liquefiable Soils: A Comparative Study of 3D and 1D Dynamic Soil-Structure Interaction Models - *James Go*	The Importance of Fully Integrated Ground Models in the Identification and Mapping of Shallow Hazards along Export Cable Routes - *Jordan Wilson*	Sustainable and Accurate Seismic Tests to Investigate Small Strain Stiffness Properties to Complement the CPT. - *Tjeerd Hoekstra*	Numerical study of vibro-driven pile installation in sand - *Britta Bienen*	Lateral behavior analysis on leg - spudcan of jack-up substructure for offshore wind turbine using centrifuge model test - *Min Jy Lee*
16:19				
Dynamic responses of a monopile-supported 10MW offshore wind turbine subjected to wind, wave and seismic loads - *Kassem Deeb*	Ground Model Led Geotechnical Location Selection Strategies - *Harry Eady*	A comparison of shear wave velocity interpretation methods and application of a framework for quantification of uncertainty in marine seismic cone penetration testing - *David Donaghy*	Numerical modelling of a vibratory installed large-scale monopile test in sand - Severin Spill	Detailed parametric monopile-spudcan interaction assessment in clay and sand dominated soil stratigraphies - *Juan Antonio Rebollo Parada*
16:26				
Influence of Soil Parameters on the Seismic Response of Offshore Wind Turbines in Liquefiable Soils - *Ozan Alver*	Application of Coupled Hydro-Mechanical CEL Method for Variable Rate Cone Penetration Analysis - *Ahmad Foroutan Kalourazi*	Considering soil anisotropy in seismic CPT data - *Joonsang Park*	Investigating Punch-Through modelling in monopile installation to reduce risks in wind farm development - *Mario Martinelli*	Geotechnical Analysis of a Unique Spudcan-Pile Combined Foundation System - *Eric Woon*
16:33				
Effect of Variability in Ground Motions and Undrained Shear Strength of Soil on Seismic Response of Monopile-Supported Offshore Wind Turbine - *Diptesh Chanda*	Seismic inversion for offshore wind: Implications of near-surface soils on AVO approximations - *Evan Mutual*	PROSE+ project: offshore seismic measurements on the seabed to test the ability to assess the spatial variation of the small-strain shear modulus in the subsurface environment - *Nourhan Tartoussi*	Experimental Investigation of the Installation and Lateral Capacity of Instrumented Monopiles at the SAGE-SAND Test Site in Zeebrugge - *Kristof Maes*	An Experimental Study on the Effects of Bearing Pressure on the Friction Angle for Spudcan Penetration Analysis - *Nicole Costa Santos*
16:40				
Simplified Equivalent Model for Seismic Centrifuge Testing of Offshore Wind Turbine Jacket Foundations - *Yimo Wu*	The identification and integration of geological and geotechnical units in ground model development - *Simon Oberhollenzer*	Numerical Approach for Estimation of Model Parameters from Robotic Site Investigation Device - *Sathwik Kasyap Sarvadevabhatla*	Effects of installation process on lateral bearing behaviour of monopiles for offshore wind turbines - *Michail Spyridis*	
16:47				
Evaluating Vibration Mitigation for Monopile-Supported Offshore Wind Turbine Considering Soil-Foundation Structure Interaction Using a Passive Energy Dissipation Device - *Marcus Vinicius Girão de Morais*	Bridging the gap: a comparative insight into onshore and offshore ground modelling practices - *Patrizia Vitale*	An Integrated Working Party Approach to Offshore Site Characterisation - Engineering Geology, Geology and Geohazards - *Phoebe Lipp*	Large deformation analysis of pile installation in sand using the Material Point Method - *Michail Spyridis*	
16:54				
A Comparative Study of FEA Monopile 1D Rationalisation Methods: Application to Mean Stress Independent Models - *Jamie Alexander*			A CPT-based, Critical-state Approach for the Analysis of Pile Run during Driving Operations - *R. Klinkvort*	

Wednesday 11th June

10:30-12:00 - PARALLEL SESSIONS

ROOM 450	ROOM 200	ROOM GH	ROOM KL	ROOM J
Monopile Cyclic Design	Behaviour of installed piles	Interfaces / Lab tests	Suction Anchor behaviour	Gravity Base Foundations / Anchors
Sylvie Raymackers and Martin Achmus	*Clara Edmonds and Ross McAdam*	*Catalina Maldonado and Hussein Mroueh*	*Alba Rodríguez Piedrabuena and Stephen Suryasantana*	*Chisom Ifeobu and Christophe Gaudin*
10:30				
Blind Prediction Contest: Piles under Monotonic and Cyclic Lateral Loading - *Hauke Zachert*	Optimisation of tensile capacity of vibro-installed floating offshore anchor piles using DEM simulation - *Michael Brown*	Steel interface shear behaviour of Bolders Bank till - *Emil Ushev*	Numerical Investigations on the Long-Term Behaviour of Suction-Caisson Foundations under High-Cyclic Loading - *Lisa Tschirschky*	Geotechnical performance of gravity foundations for offshore wind in the Gulf of Bothnia's soil conditions - *Marco D'Ignazio*
10:37				
Validation of a contour diagram based model for monopile cyclic design in clay - *David Igoe*	Back Analysis of Driving Resistance and Induced Driving Stresses in Vibratory Driven XL Monopiles: Case Study of Kaskasi Wind Park - *Majid Goodarzi*	Sand-gravel and steel interface DSS tests - *Shaoli Yang*	On the resilience of suction bucket foundations under cyclic uplift loading in intermediate soils - *Phil Watson*	Bearing capacity of the Yme GBS tank incorporating cyclic pore pressure accumulation with partial drainage - *Khoa DV Huynh*
10:44				
An Improved Ratcheting Function for the Simplified Calibration of the Hyperplastic Accelerated Ratcheting Model (HARM) - *Jamie Crispin*	Restrike test on a vibratory and impact driven pile in sand - *Severin Spill*	Interface Testing of North Sea Bedrock for Offshore Wind Applications - *Andreas Ziogos*	Numerical Analysis of Suction Caissons in Sand Under Cyclic Loading: Transition from Compression to Tension - *Nazish Ullah*	Assessment Of Empirical Equations For Predicting Scour Depth Around Gravity Base Foundations - *Kazem Dalili Khanghah*
10:51				
A p-y Modelling Approach to Predict Long-Term Cyclic Response of OWT Foundations - *Chi-Chin Tsai*	Prediction of Monopile Driveability under Vibratory Driving Using Wave Equation Analysis - *Viet Hung Le*	Interface friction angles of a marine clay from interface ring shear and interface shear box tests - *Jeong-Yun Won*	Small and Medium Scale Model Tests on the Behavior of Suction Caissons in Sand Under Axial Cyclic Loading - *Immo Sanders*	Effective Approaches in Seismic Design of Subsea Foundations - *Hadi Suroor*
10:58				
Application of cyclic strain contour diagrams to assess cyclic effects on axially loaded driven piles - *Rauan Saturin*	A numerical modelling exercise to simulate the lateral behaviour of impact and vibro-driven piles in dense sand - *Anderson Peccin da Silva*	Utilizing Constant Normal Stiffness Direct Shear Tests to Estimate Pile Skin Friction on a Glauconite Sand - *Danilo Zeppilli*	Skirt penetration in scour protection: laboratory and numerical analyses - *Mohammadreza Jahanshahinowkandeh*	Deepwater Subsea Well Conductor Design - *Jinbo Chen*
11:05				
FEM-DEM Study of Cyclic Behaviour of Monopiles for Offshore Wind Turbines - *Frédéric Collin*	Analysing hammer impact duration on driveability resistance through instrumented field tests - *Sara Banaei Moghadam*	ROBOCONE: 'P-Y' Module Design Development and Calibration Chamber Testing in Sand - *James Creasey*	Influence of Local Scour on the Evolution of the Failure Envelope for Suction Caisson Foundation - *Zhuang Jin*	Feasibility of anchor types for floating wind: Geotechnical drivers - *Laith Tapper*
11:12				
Numerical Simulation of a Model Test of Monopile for Large Offshore Wind Turbine Subjected to Cyclic Loading - *Mehmet Fahrettin Erener*	A Novel Driveability Prediction Method for Continuous Impact Driving and Monopile Run - *Shihong Zhang*	Stiffness and Damping of Clay Under Cyclic Loading: An Image-Based Measurement Solution - *Wenhan Du*	Influence of scour on the natural frequency of offshore wind turbines with tripod bucket foundation in sand - *Seung-Won Oh* Effect of loading conditions on the natural frequency of offshore wind turbines using centrifuge model test - *Kyeong-Sun Kim*	Coupled Finite Element Analysis of Strip Anchors in Sand - *Zhenyu Liu*
11:19				
Three dimensional finite element simulation of monopiles for offshore wind turbines using the HySand constitutive model - *Miad Saberi*	Pile-boulder resistance relationship for pile tip buckling during impact driving - *Orestis Zarzouras*	Dynamic Properties of Artificial Carbonate Clayey Silt Sediments - *Tim Newson*	Effect of loading conditions on the natural frequency of offshore wind turbines using centrifuge model test - *Kyeong-Sun Kim*	First Steps towards Sustainable-by-Design Anchors for Floating Offshore Wind - *Oscar Polania*
11:26				
Insight into the cyclic response of owt pile foundations in clay: numerical simulation of pisa field tests - *Amalia Giannakou*	Evaluating rate effects using high and low energy blows for a pipe pile in clay - *Mark Randolph*	Effect of Soil Composition, Interface Roughness, and Drainage Response on Shear Strength During Low Normal Stress Interface Shear Box Testing - *Roneet Das*	Performance of shared suction caisson anchors in clay for floating offshore wind turbines subject to inclined cyclic loading sequences - *Iwinosa Aghedo*	Applying the Observational Method to Anchoring of Floating Offshore Wind Turbines - *Neil Morgan*
11:33				
Multi-directional and combined force-moment limit state envelopes for the design of offshore monopile founded in sands - *Pishun Tantivangphaisal*	Assessment of a new axial capacity design method against an extended database of load tests on open-ended piles driven in chalk - *Tingfa Liu*	Influence of reconstituting intact samples of calcareous sands on static strength - *Mohammed Al-Maadheedi*	The performance of shared suction caisson anchors in sand for FOWT with taut mooring - *James Barron*	Finite Element Analysis of Subsea Expansive Anchor Piles in Rock Seabed - *Hansini Mallikarachchi*
11:40				
Laboratory model to investigate the effect of multidirectional cyclic loading on the stiffness and strength properties of a monopile foundation for offshore wind turbines - *Anteneh Masresha Zerihun*	An assessment of shaft capacity design methods for driven piles in chalk - *Kathy Ziwei Wen*	Influence of pore fluid salinity on compressibility of reconstituted illite - *Duy Anh Dao*	Finite Element Analysis of Shared Suction Anchor Capacity Including Effects of Trenching - *Erik Tørum*	Behaviour of a Reverse T-shape Anchor Subjected to Horizontal Loading in Sand - *Pierre-Yves Duverneuil*
11:47				
Evaluating Soil Reaction Models for Offshore Wind Turbine Monopile Foundations: Implications for ULS and FLS Design - *Jacques Tott-Buswell*	3D Finite Element Analysis of Laterally Loaded Piles Driven in Chalk - *Stavroula Kontoe*	Geotechnical and Rheological Properties of Pre-Salt Carbonaceous Soils and Their Impact on Submarine Debris Flows - *Lucas Takayassu*	Sustained Tensile Loading Analysis of Suction Buckets Considering the Load Characteristics and Drainage Condition - *Mechthild Cramer*	Insight into the on-bottom stability of cables - *Indrasenan Thusyanthan*
11:54				
A simplified, novel approach for modelling cyclic degradation of soil properties around monopile foundations for offshore wind turbines - *Marco D'Ignazio*	Characterising the damage developed around piles by percussive driving in low-to-medium density chalk - *Ken Vinck*	Examining the rate dependency behaviour of sands using DEM simulations - *Zitao Zhang*		

15:30-17:00 - PARALLEL SESSIONS

ROOM 450	ROOM 200	ROOM GH	ROOM KL	ROOM J
Monopile frequency, stiffness and damping	**Cyclic & AI Constitutive Modelling**	**Geohazards**	**Site Characterization**	**Vertically loaded piles**
Stavroula Kontoe and Alistair Muir Wood	*Susan Gouvernec and Tingfa Liu*	*Julia Katharina Moller and David Colliard*	*Elisabeth Palix and An-Ninh Ta*	*Giulia Macaro and Luc Simonin*
15:30				
Effect of Monopile Geometry and Soil Uncertainty Propagation on Estimated Natural Frequency of Offshore Wind Turbines - *M. Montserrat*	Multidirectional perpendicular cyclic behaviour of a marine sand in drained and undrained conditions - *Kathy Ziwei Wen*	Geohazard Assessment Integrating Geophysical and Geotechnical data to optimize floating offshore wind WTGs Layout - *Yun Sup Shin*	A Database for the Offshore Geotechnical Site Characterization of Italian Seas - *Giada Orlando*	Instrumentation calibration for model conductors and piles - *Fernando Danziger*
15:37				
Soil modelling impact on the natural frequency of offshore wind turbines with reference to in-field measurements - *Axel Nernheim*	CLAP - Simplified Model for Multidirectional Cyclic Loading on Offshore Piles - *Ana Page*	Engineering Geological Model: Data Processing & Ground Modelling for Effective Quantitative Seismic Inversion - *Tommaso Bizzotto*	Numerical Modelling of Free Fall Penetration of a Spherical Penetrometer in Sand - *Ankur Singh*	Advanced pile load test measurement systems developed for a full-scale pile load test campaign offshore Taiwan - *Avi Shonberg*
15:44				
Effect of sand liquefaction on the first natural frequency of a monopile-supported offshore wind turbine using a nonlinear three-dimensional finite element model - *Kassem Deeb*	Experimental study of soils under cyclic loading with direction varying about a mean direction - *Qian Bi*	Assessment of seismic cone penetration tests: equipment set up, processing and interpretation workflows. Field test study - *Roi Soage Santos*	The Effect of Soil Type and Drainage Condition on Penetrometer End-bearing in Two-layered Soil Profiles - *Barry Lehane*	Evaluation of the "Unified" CPT-based Axial Pile Capacity Design Method for Driven Piles in Clay using New Case Studies - *Victor Smith*
15:51				
Bending moment profiles as indicators for the lateral stiffness of offshore wind turbines - *Anis Kheffache*	Monotonic and cyclic behaviour of gravelly sand - *Shaoli Yang*	On the effects of an unknown depth-to-bedrock in seismic site response analyses for deep-water sites - *Francesca Ioele*	In-situ thermal conductivity profiling in saturated loose sand - *Nico Parasie*	Load-transfer formulations for large open-ended pipe piles - *Dirk de Lange*
15:58				
Investigation of the effect of scour protection on the stiffness of laterally loaded wind turbine monopiles - *Anis Kheffache*	Site liquefaction analysis via the contour diagram method: implications for offshore monopile design - *Anastasios Stamou*	Numerical Simulation of Effects of Active Tectonic Fault Intersecting Offshore Exploration Well - *Xiaoyan Long*	An evaluation of using piezocone data to identify organic rich soils - *Greg Tucker*	Modeling of axially loaded piles using an efficient engineering tool - *Hussein Mroueh*
16:05				
Definition of primary and unloading / reloading stiffness curves to model lateral monopile behavior for design of offshore structures - *Luis Berenguer Todo Bom*	Impact of cyclic charging and discharging on the rigid reservoir system of the Ocean Battery - *Yuanchun Qi*	Geohazard evaluations on clay-rich submarine landslides using combined experimental and numerical analyses - *Erik Sørlie*	Effect of Shaft Diameter on The Undrained Bearing Capacity of Penetrometer/Conical Footings - *Anish Pandit*	Hai Long Offshore Wind Farm: Challenges and Solutions in the Substations Design and Installation - *Francesca Ciavaglia*
16:12				
Review of soil damping methods for +15 MW offshore wind turbines supported on monopile foundations - *Niels Christian Dahl*	Automatic Parameter Identification of an Advanced Plasticity Model for Saturated Soils in Offshore Geomechanics - *Prof Majid Nazem*	Geohazard Assessment for a Submarine Cable - *Jorgen Johansson*	Geotechnical characterisation of faulted Paleogene clays - *Bruno Stuyts*	Experimental Study of the Effects of Cyclic Loading on Base Resistance Mobilization of Piles Using a Calibration Chamber - *Ayda Galvis*
16:19				
Evaluation of the performance of the nonlinear hysteretic damping model REDWIN for offshore foundations - *Mohammadreza Saghazadeh*	Preliminary automated methods of constitutive model parameters of carbonate sands in engineering practice - *Stefano Collico*	Age Dating Integrated Approach for Geohazard Study in Transitional and Structural Complex Environment in Moattama (Martaban) Basin, Myanmar - *Riccardo Eugenio Borella*	Experimental insights into the carbonate content measurements on marine soils - *Maiely Minozzo*	The response of pile foundations in sand to axial cyclic loading - *Anne Hagemann*
16:26				
Effect on soil damping of average or initial static shear stresses and potential impact on foundation performance for offshore structures - *Jörgen Johansson*	A data-driven macroelement model for suction buckets in sand - *David M. G. Taborda*	Geohazard assessment of the Yggdrasil Power from Shore electrification project in Western Norway - *Ingrid Ishaug Liplass*	Characterisation of calcareous sediments from the U.S. Southern Atlantic Outer Continental Shelf - *Benjamin Turner*	Field test to investigate the cyclic tensile response of open-ended piles installed in sand - *Anderson Peccin da Silva*
16:33				
Investigating the effect of monopile dimensions on hysteretic foundation damping of monopile-supported offshore wind turbines - *Mohammed Barzan*	Prediction of Soil Parameters Using Neural Networks - *Kacper Cerek*	Review of the importance of detailed sample inspection for input to the ground model and geohazard assessment - *Harry Eady*	A new apparatus to measure time dependent shaft capacity using intact core samples - *Zhechen Hou*	Seismic Fragility Analysis of Three-Legged Jacket Supported Offshore Wind Turbine Considering Ground Motion Directionality - *Upasana Nath*
16:40				
Behavior of Rigid and Semi-Rigid Monopiles: A Critical Analysis of Ultimate Capacity - *Wei Wei*	Evaluating the uncertainty in cyclic resistance of sand using a practical cDSS test database - *Yue Sun*	Cyclic Soil Behavior Characterization of US Atlantic Outer Continental Shelf Soils for Offshore Windfarm Foundation Design - *Xiaoyan Long*		
16:47				
	Design with Spatial Soil Variability (DSSV) for Offshore Foundations - *Dr Indrasenan Thusyanthan*			

Thursday 12th June

10:30-12:00 - PARALLEL SESSIONS

ROOM 450	ROOM 200	ROOM GH	ROOM KL	ROOM J
Monopile Capacity & Installation	Helical anchors / Torpedo	Constitutive Modelling	Piles in specific soils	Cables
Elisabeth Palix and Alain Puech	*Alessandra Conde de Freidas and Anurag Sahare*	*Shaoli Yang and Zheng Li*	*Christelle Abadie and Federico Pisano*	*Serena Che and Hong Doan*
10:30				
Performance-based Foundation Design Using a Probabilistic Framework - *Hendrik Sturm*	Helical pile installation: correlation between torque and axial force observed at different scales - *Cristina de Hollanda Cavalcanti Tsuha*	Strength and Compressibility of Glauconitic Sands in the U.S. Atlantic Coast - *Proserpine Peralta*	The Piling in Glauconitic Sand (PIGS) JIP: Insights from Site Characterization and Laboratory Testing - *Zack Westgate*	Rocky seabeds leave the stone age: Bringing together academic research and industry experience in the new BS10009 guideline for cable stability - *Terry Griffiths*
10:37				
Analytical base shear reaction curves for predicting monopile response in undrained clay - *Cameron Walker*	Centrifuge modeling to investigate the performance of helical anchor groups in normally consolidated clay - *Shiwei Sha*	Geotechnical Properties of a Glauconite Sand from Belgium - *Maria Konstantinou*	The Piling in Glauconitic Sand (PIGS) JIP: insights from axial and lateral pile load testing - *Federico Pisanò*	A study into cable-seabed interaction in offshore cable pull-out decommissioning - *Rudy Helmons*
10:44				
Simulation of large displacements during lateral pile loading in anisotropic, overconsolidated fine-grained soils - *Duy Anh Dao*	Helically embedded plate anchors for floating offshore wind: potential and proof of concept - *Wirman Hidayat*	Extended Experimental Database of Fontainebleau Sand (NE34) and Validation of Hypoplastic Constitutive Models - *Jochen Zürn*	Site investigation and foundation design in glauconitic soils - *S.A. Schmieder*	Numerical estimation of ORE export cables burial depth in a marine dune environment : the Dunkirk offshore wind farm study case -
10:51				
Geotechnical Analysis and Modeling for Offshore Wind Turbine Monopiles in Gulf of Bothnia Soil Conditions - *Milja Rova*	Effect of installation advancement ratio on two-way cyclic response of a single-helix screw pile for offshore wind - *Michael Brown*	A constitutive model accounting for grain crushing in silica sands - *David Leon-Vanegas*	Feasibility of using driven monopiles in weak rock to support offshore wind turbines - *Iona Richards*	A Methodology for Estimating Anchor Penetration in Layered Soils for Cable Burial Risk Assessments - *Simon Davies*
10:58				
An Assessment on Permanent Rotation of Monopile Foundations for Large WTGs under Operational Loading Conditions in North Sea OWPs Using the High-cycle Accumulation Model - *Majid Goodarzi*	Field investigation of a multi-helix pile under tensile axial cyclic loading - *Cristina de Hollanda Cavalcanti Tsuha*	Biogenic Particles Crushability as a Key Factor for Sediment Behavior: Insights from Mayotte Submarine Slope Case Study (SW Indian Ocean) - *Marco Terzariol*	Residual friction angles of piles in clayey soils and soft rocks - *Hongjie Zhou*	Centrifuge modelling of complex infrastructure-seabed interaction in the touchdown zone using fibre optic sensing - *Zhechen Hou*
11:05				
The Interpretation of Triaxial Test Data and its Effect on the Numerical Analysis of Monopiles Founded in Sand - *A. Grammatikopoulou*	Performance of group of Screw Piles under combined axial and lateral load for offshore jacket structure - *Shantanu Patra*	Grain fracture induced pile set-up in a DEM centrifuge chamber - *Marcos Arroyo*	Evaluation of Driving Resistance for Monopile in Rock Formation: a Case Study with both Conventional and Relief Drilling Driving - *Majid Goodarzi*	The challenges of follower retrieval after anchor pile installation - a case study - *Jort van Wijk*
11:12				
A finite element implementation for cohesive soils of PISA design model for offshore wind turbines foundations - *Vincenzo Germano*	Uplift behaviour of dynamically installed anchor under sustained loading in clay - *Jun Liu*	Modelling the shear behavior of granular soil with soft coating using an embedded "Soft Shell" Contact Model in Discrete Element Method - *Sen Tian*	Driven Pile End Bearing Resistance in Rock and Influence of Pilot Holes - *Jamie Irvine*	Effect of lamination and mixture on thermal conductivity of granular soil systems - *Zhixin Zhou*
11:19				
A CPT-based P-y Model for Laterally Loaded Monopiles in Sand - *Zhentao Liu*	Performance of an optimised Dynamically Installed Maverick Anchor - *Muhammad Shazzad Hossain*	Exploring Sand Interface Friction Angle: Effects of normal stress, surface roughness, and substrate hardness - *Ali Seiphoori*	Pin foundation resistance in rock - Numerical modelling with DEM - *Abdul Kader El Haj*	Initial Processess of Soil Bed Formation - *Gert Bartholomeeusen*
11:26				
Effects of Scour and Scour Protection on Monopiles for Offshore Wind Turbines Exposed to Wind-Wave Loading - *Susana Lopez-Querol*	Pullout Angle Influence on the Behavior of a Single T-120 Torpedo Anchor - *Alessandra Conde de Freitas*	Strength and Dilatancy of Intact and Reconstituted Sands from Atlantic Shores Offshore Wind Farm Development - *A.C. Trandafir*	Pin foundation resistance in coarse gravel seabed - Numerical modelling with DEM - *Emilio Nicolini*	
11:33				
Numerical investigation of soil plugging in clay with the CEL method and effective contact stresses - *Philipp Wiesenthal*	Torpedo Pile Penetration Prediction: A Deterministic and Probabilistic Approach - *Mohamed Frikha*	Rate-Dependent Shear Behaviour of Silt-Steel and Sand-Steel Interfaces - *Jakub Konkol*	Comparing the driving and uplift behaviour of a vertical plate in silica and carbonate sands - *Congyang Yu*	
11:40				
Prediction of Soil Settlement due to Installation of Open Ended Tubular Piles through Non-Cohesive Deposits - *Dirk Luger*	Pull-out performance of finned suction anchors in sand considering torsional effect - *Yong Fu*	Numerical Predictions for Centrifuge Modelling of Submarine Slope Stability Using Advanced Constitutive Models: A Comparative Study of the DM04 and SANISAND-MS Models - *Junyu Zhou*	Centrifuge Tests to Investigate Pile Run Risk In Transitional Soils - *Rosati Alessandra*	
11:47				
Numerical Modelling of the Positive Water Head Technique for Hole Stabilisation - *Carl Erbrich*	3D DEM simulation of plain and rotary axial jacking of piles - *B. Cerfontaine*		Monopile foundation behavior in carbonate soils - existing knowledge gaps - *Yiorgos Perikleous*	
11:54				
Pile sway calculation procedure and control during skirt pile driving operation in the North Sea - *Tewodros H. Tefera and Bjørn Melhus*			Field testing of driven piles in cemented carbonate sediment - *Md. Kamrul Ahsan*	

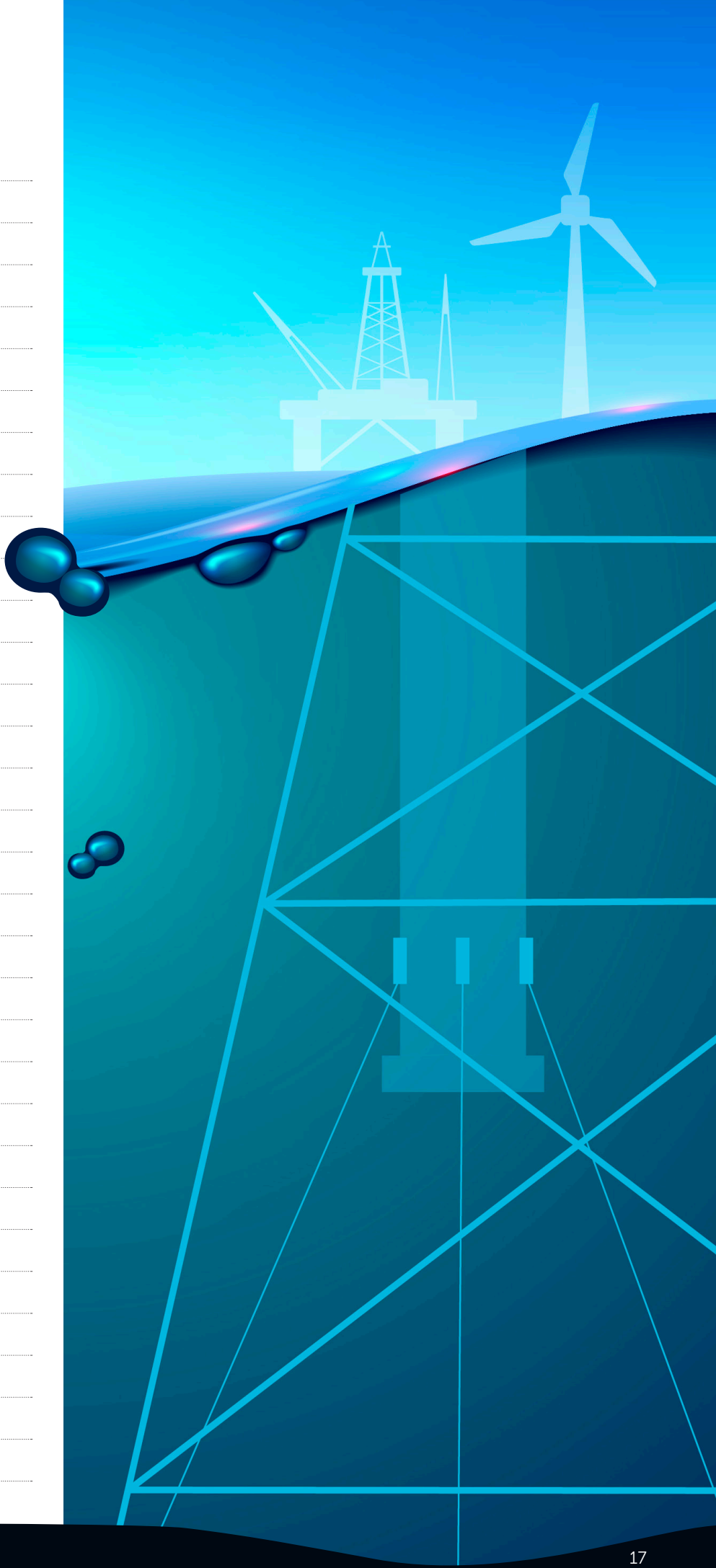
13:30-15:00 - PARALLEL SESSIONS

ROOM 450	ROOM 200	ROOM GH	ROOM KL	ROOM J
Design Standards	**Shared anchors / Ring anchors**	**Pile behaviour**	**Suction Bucket and Jacket**	**Pipelines**
Sylvie Bretelle and Abed Soubra	*Cristina Tsuha and François Coste*	*Giulia Macaro and Jamie Crispin*	*Britta Bienen and Jean-Christophe Ballard*	*Donatienne Leparoux and Marcio Almeida*
13:30				
Second Edition of the ISO 19901-8 Standard for Marine Soil Investigations - *Roi Soage Santos*	Hywind Tampen – A geotechnical- and structural design of shared suction anchors, from concept to installation - *Robert Bendzovski*	A comparison of methodologies for monopile tip buckling assessment - *David Abadias*	Shaking table tests on a scaled suction bucket jacket foundation to assess the effect of thrust force during earthquake events - *Yu-Shu Kuo*	Uplift of Pipelines Buried in Rockfills: Significance of Particle Scale Effect - *Hongjie Zhou*
13:37				
Observations on use of international standards for marine soil investigations - *Joek Peuchen*	Centrifuge modelling of intermediate piles subjected to multidirectional cyclic lateral loading - *Riccardo Zabatta*	Evaluation of pile tip buckling based on large scale tests - *Hagen Balscheit*	Short-Term Monitoring of Offshore Wind Turbine Jackets Supported by Suction Caissons - Patrick Gütz	Dynamic Soil-Structure Interaction evaluations of liquefaction-induced settlements of a Pipeline End Manifold (PLEM) - *Yannis Chaloulos*
13:44				
Updated guidance for geotechnical design of offshore infrastructure: ISO 19901-4 Ed 3 - *Neil Morgan*	Floating wind turbine anchor piles under lateral multidirectional cyclic loading: experimental investigation - *Rami Chalhoub*	1-g Physical Tests on Monopile Penetration through Scour Protection Material - *Cihan Cengiz*	Probabilistic Design of Suction Caisson Jackets Under Sustained Tension Loading - *Chris Hamilton*	Submarine debris impact on randomly positioned pipeline on seafloor - *Fernando Saboya*
13:51				
A French Recommended Practice for Planning and Designing Anchor Foundations of Floating Wind Turbines - *Alain Puech*	Numerical Investigation of Multidirectional Response of Shared Anchor Piles for Offshore Wind - *Amin Rashidi Mehrabadi*	DEM modelling of small-scale plate and pile penetration through scour protections - *Hao Shi*	Undrained capacity of suction buckets under VHM loads in cohesive soil - *Xiaowei Feng*	An experimental study to evaluate scour mitigation options for pipe-clamping mattresses - *Phil Watson*
13:58				
Recognising Geotechnical Uncertainty as an Asset to Site Investigation and Characterization - *Kieran Blacker*	Finite Element Analysis of Shared Anchor Pile in Sand under Inclined Multidirectional Cyclic Loading - *Xavier Dias*	Geological, Geophysical and Geotechnical Aspects of Boulders and their Influence on Offshore Foundations - *Arjen Kort*	Experimental investigation on the effect of skirt chamfer on the soil plug heave inside the bucket foundation - *Congcong Han*	Micromechanical study of the uplift resistance of offshore rock berm protected pipelines - *Matteo Ciantia*
14:05				
Risk-based approach for scour susceptibility for offshore wind farms - *Nawras Hamdan*	Centrifuge modeling of shared ring anchors subjected to cyclic loading in sand and clay - *Alejandro Martinez*	Boulder damage during monopile installation through strong clay: initiation and growth - *Juliano Nietiedt*	Plug heave prediction for suction caissons in cohesionless soil - *Henry Gunawan*	Investigation of the Impact of Drainage Conditions on the Interface Resistance between Pipelines and Soils Using a Novel Test Setup -
14:12				
Unlocking Offshore Geotechnical Risk Mitigation: The Role of Building Information Modeling (BIM) - *Jayakrishnan Menon*	Performance of Deeply Embedded Ring Anchor under vertical loading in drained sand - *Charles Aubeny*	Performance of different SRD approaches to assess the pile runs during offshore pile driving - *Soheib Maghsoodi*	Design Parameters for Shaft Resistance of Driven Monopiles and Suction Buckets from Rate-Dependent Interface Tests - *Bereket Mamo Gebremeskel*	Front-End Design of Shore Crossings - *Régis Wallerand*
14:19				
Analysis of Seaquake Effects on the Seismic Performance of Tension-Leg Platforms - *Evgenia Eleftheriou*	Load Capacity of Deeply Embedded Tubular Anchor in Normally Consolidated Clay Under Inclined Loading - *Charles Aubeny*	Development of an SRD model for the self-weight penetration and pile run analysis of monopiles in North Sea soil conditions - *Pooyan Ghasemi*	Modelling pullout of suction buckets under varying rates - *Debiprasad Bhakta*	Developing an integrated modelling approach for anchor-line system - *Qiru Yang*
14:26				
Enhancing Well Design with a Novel Conductor Jetting Technique for Precise Directional Control when Drilling Ahead - *Fabio Sawada Cutrim*	Centrifuge modelling to investigate the response of piled anchor under uplift monotonic loading - *Anurag Sahare*	Evaluation of performance of SRD models in transitional soils - *Pooyan Ghasemi*	Integrated design model for dynamic uplift behavior of suction anchor - *Mengtao Xu*	Macro-model of chain-clay interaction for simulating the mooring line pretension in SIMA - *Shengjie Rui*
14:33				
Significant cost savings with automated design and 3D FELA for slope stability - *Magnus Todnem*	Centrifuge modelling of anchor performance for floating offshore wind turbines: installation and load behaviour in sand - *Duy Anh Dao*	Analyses of Monopiles and Pin Piles Runs in Various Soil Conditions - *Thomas Vergote*	Site-wide automated sizing of suction caisson foundations - *Marjin Dekker*	A Comparison of Machine Learning Algorithms for Predicting Fatigue Life of Steel Catenary Risers - *Wanchao Wu*
14:40				
	Rate effects in circular footing penetration in saturated sand - *Shiao Huey Chow*	Pile-Soil Interaction during Hydraulic Overpressure Extraction for Offshore Monopile Decommissioning - *Nils Hinzmann*	Suction Bucket Response Under Seismic Liquefaction: Numerical Simulations versus Centrifuge Experiments - *Yannis K. Chaloulos*	Characterizing soil thermal conductivity in situ: development of a novel cone penetration test module - *Joseph Bindner*
14:47				
		Towards Efficient End-of-Life Solutions in Offshore Wind - *Xinyue Yin*	Numerical Investigation of Compensated Suction Caissons in Soft Soil - *Kamchai Choosrithong*	

Posters

ID	Title
20	Numerical Study of the Dilatometer Insertion and Membrane Expansion in Sand
23	Installation and Extraction of an Offshore Wind Turbine Jacket – Practical Experience
36	Effect of pad eye position on anchor pile response and soil displacement field under oblique pullout load
37	A Data Fusion Model Based on Modified Co-teaching Method for the Prediction of Suction Caisson Uplift Bearing Capacity
58	Enhancing Offshore Wind Farm Development Through Advanced 3D Ground Modelling
60	A Confidence Classification Scheme for P and S Suspension Logging Data
64	Hybrid Monopile: A New Foundation Concept for 20 MW Wind Turbine Generators
67	Jack-up Spudcan Depression Interaction with Scour Protection of Wind Turbine Generators – A Qualitative Assessment
69	Prediction of Uplift Capacity of Deep Horizontal Plate Anchors
77	Thermal Conductivity of Saturated Soils
103	Cyclic Mobility in Clay Soils: A Comprehensive Review
162	3D dynamic effective stress analyses of an Offshore Wind Turbine on suction bucket jacket foundation under earthquake loading
170	Evaluating Triggering Mechanisms of Submarine Landslides: Insights from Centrifuge Testing and Numerical Analysis
177	A Novel Machine Learning Method for Processing of P and S Suspension Logging Data
185	Optimized CPT-Based Methods for the Prediction of Soil Resistance to Suction-Assisted Penetration
200	A Novel Installtion Approach for Offshore Screw Piles
210	A semi-analytical model of distributed fiber optic strain monitoring for hydraulic fracture propagation
232	Design Recommendations for Monopiles Installed in Rock using an Insert Pile Concept
252	Incremental Approach for Cyclic Displacement of Helical Anchors in Sand
254	Performance of Jacket Supported Offshore Wind Turbine in Liquefiable Soil
255	Seismic Vulnerability of 10 MW TLP Floating Wind Turbines in Intermediate Water Depth
297	Scour effects on the dynamic behavior of monopile-supported offshore wind turbine
324	Simulating the uplift response of helical piles in sand using a hypoplastic model
353	Performance of subsea mechanical trenching systems
365	SICMOG: Site Characterization and Monopile Installation in Glauconite Soils
391	Cutting of Highly Plastic Clay: Analysis of Large Rapid Deformation Processes
396	Simplified calculation of wave-induced accumulated damage zone in clayey seabed for gravity-based foundation
401	Reliability-Based Design of Offshore Wind Turbine Monopiles Using CPT Data and Activle Learning Metamodelling
412	Site-Response-Based Capacity Degradation for Foundation Design in Seismic Active Areas
446	Framework for Jet Trenching Performance Prediction in Cohesionless Soils
469	Application of Machine Learning to Predict Pile Driveability Performance in Offshore Southeast Asia Soils
509	Effects of the Active Suction on the Uplift Capacity of Suction Caissons in Sand
530	In-Situ Investigation of Wave-Induced Pore Pressure in Seabed in the Mississippi River Delta, USA
535	Pile anchors of floating offshore wind farms subjected to lateral cyclic loadings in different directions
626	Impact of cyclic contour diagram definition on monopile design for offshore wind turbines
636	Experimental study on the excess soil plug of bucket foundation in clay during suction installation
650	Numerical Analysis on Trenching of Clay with Submerged Moving Circular Vertical Jets

Notes



Sponsors

PLATINIUM

FUGRO

GOLD +

EDF renouvelables

GOLD

RINA

SILVER

NGI

VJ Tech

BRONZE

ARUP

Benthic
INNOVATION TO THE CORE

COFS
CENTRE FOR OFFSHORE FOUNDATION SYSTEMS
NGCF

TEN TECHNIP ENERGIES

TotalEnergies

venterra

TECHNICAL VISIT

DEME

EXHIBITORS & PARTNERS

ACUTRONIC Simulation & Test

ap van den berg

GDS www.gdsinstruments.com

GeoIntel

GEOQUIPMARINE

GEO TEK

Innovative Geotechnology

ITASCA

LANKELMA A ConeTec Group Company

nerve-sensors.com

RWE

SOILTECH

STIXIA

WILLE GEOTECHNIK

WITH THE SUPPORT OF

NANTES ST-NAZAIRE BUREAU DES CONGRÈS

Nantes Métropole

cfms COMITÉ FRANÇAIS DE MÉCANIQUE DES SOLS ET DE GÉOTECHNIQUE

SIMSG ISSMGE

WEAMEC MARINE ENERGY

Université Gustave Eiffel


ISFOG
2025
FUGRO
eDF
renouvelables
RINA
Université
Gustave Eiffel
ASconnect
évènement
Congress Organizer
Tel. + 33 2 40 20 15 95
www.asconnect-evenement.fr