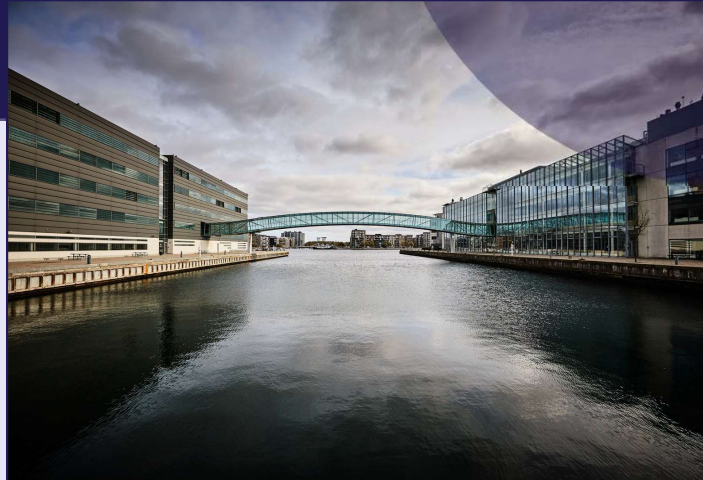


2025 Copenhagen

International Workshop on Offshore Geotechnics



AAU BUILD

INSTITUT FOR BYGGERI, BY OG MILJØ
DEPARTMENT OF THE BUILT ENVIRONMENT

ORGANIZATION

AALBORG UNIVERSITY

Geotechnical Engineering & Offshore Foundations Group

Co-chair: Amin Barari abar@build.aau.dk

Co-chair: Merita Tafili merita.tafili@ruhr-uni-bochum.de

Secretary: Ali Lashgari alil@build.aau.dk

CONTACT



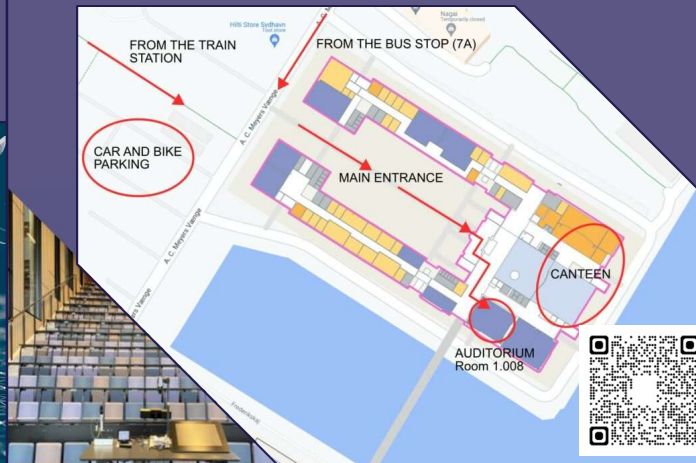
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LOCATION



Auditorium 1.008, A. C. Meyers Vænge 15
2450 Copenhagen, Denmark

Registration



[WEBSITE](#)



November 03, 2025

From 9:00 am to 5:00 pm



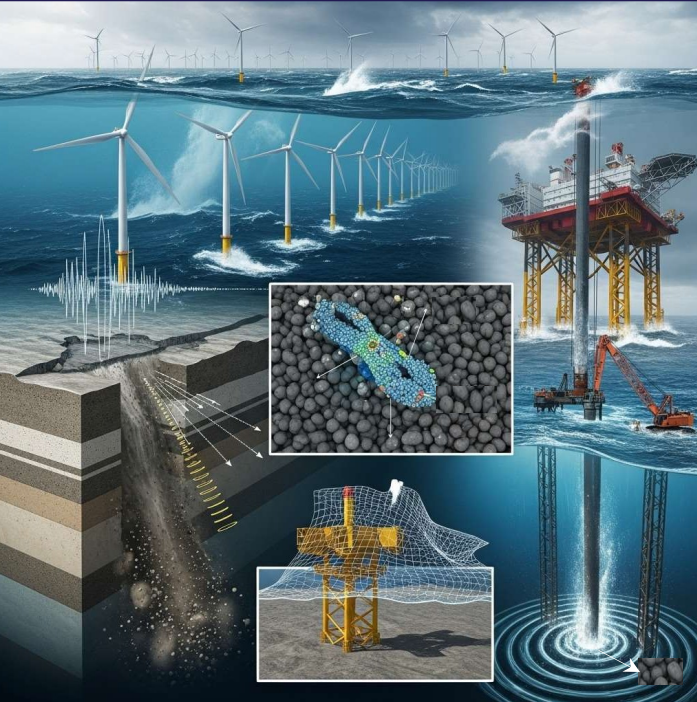
TOPICS

- Soil Behavior and Constitutive Modeling
- Offshore Foundation Design Challenges
- Pile Installation and Driving Methods
- Long-Term Cyclic Loading and Numerical Analysis
- Seismic and Landslide Hazards
- Site Investigation and Design Practices



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The International Workshop on Offshore Geotechnics will be held in Copenhagen on 3 November 2025, bringing together researchers, engineers, and industry practitioners to exchange knowledge on the latest advances in offshore geotechnical engineering.

The workshop will address a wide spectrum of themes central to offshore geotechnics, including cyclic soil behavior, constitutive modeling, numerical analysis, site investigation techniques, innovative installation methods, and design challenges in offshore wind projects.

Through invited presentations and interactive discussions, participants will gain insights on cutting-edge experimental findings, novel modeling approaches, and practical design considerations. The workshop aims to foster collaboration between academia and industry, while identifying emerging challenges and future directions in offshore geotechnics.

We look forward to an inspiring day of offshore dialogue in Copenhagen!

PROGRAM			
	Welcome and opening	9:00	 Liuba Agapii (Wood Thilsted) 13:55 Challenges for Offshore Wind Foundations: a Designer's Perspective
	Torsten Wichtmann (RUB) 9:10 High-Cycle Accumulation in Sand: From Experiments to Constitutive Modeling		 Harun Kursat Engin (NGI) 14:15 Streamlining Offshore Foundation Design: From RedWin2 to Emerging Challenges in Soft Rock Geotechnics
	Hendrik Sturm (Equinor) 9:35 Perspectives on Geotechnical Challenges in Offshore Wind Projects		 Coffee Break & Networking 14:35
	Merita Tafili (RUB) 10:00 Implementing the HCA Model in FE Analysis: Calibration, Automation, and Application		 Junyu Zhou (AAU) 14:55 Soil Constitutive Modeling Challenges in Offshore Foundation Design
	Coffee Break & Networking 10:25		 Ali Lashgari (AAU) 15:07 Performance-Based Assessment of Offshore Structures Subjected to Submarine Landslides
	Barry Lehane (UWA) 10:55 Time Dependence of Pile Shaft Friction In Fine-Grained Soils		 Daniel Kristian Andreasen (AAU) 15:19 Installation Effects of Continuous Helical and Helical Piles in Saturated Sand
	Charles Aubeny (Texas A&M) 11:30 Modeling Vibratory Pile Installation		 Yimo Wu (AAU) 15:31 Seismic Performance Assessment of Offshore Wind Turbine Foundations in Liquefiable Soils
	Amin Barari (AAU/RMIT) 12:05 Geotechnical Solutions for Offshore Wind Infrastructure		 Amin Ghotbi (RMIT) 15:43 Available Innovative Monopile Driving Methods and Their Implication in Problematic Soils
	Lunch Break 12:25		Networking
	Yiorgos Perikleous (DNV) 13:35 GIFT JIP and Site Investigations		