

Chair of Soil Mechanics,
Foundation Engineering
and Environmental Geotechnics

Tuesday 01.09.2026

09:00 Opening

Merita Tafili, Torsten Wichtmann
Ruhr-University Bochum

09:15 **Invited Lecture:** Characterising North Sea glacial till and dense sand for cyclic modelling of monopile behaviour

Richard Jardine
Imperial College

10:00 Blind Prediction Contest: Piles under Monotonic and Cyclic Lateral Loading
Jan Machcek, Joaquin Liaudat, Antaeus Bettmann, Hauke Zachert

Technical University Darmstadt,
Federal Waterways Engineering and
Research Institute, Karlsruhe

10:30 Investigation of the long-term behaviour of monopiles considering the installation effect
Frank Rackwitz, Viet Hung Le

Technical University Berlin

11:00 Coffee Break

11:30 **Invited Lecture:** Advances and Challenges in Monopile Engineering: From Installation to Cyclic and Seismic Loading

Evangelos Kementzetzidis
Technical University Delft

12:15 Experimental and numerical investigations regarding the installation of tubular piles in clay

Philipp Wiesenthal
Helmut-Schmidt-University Hamburg

12:45 Lunch Break

14:00 **Invited Lecture:** Predicting the response of monopile foundations to realistic storm loading

Jamie Crispin
University of Southampton

14:45 An Investigation into Dynamic Installation Effects of Various Pile Systems

Maliha Tilat
Helmut-Schmidt-University Hamburg

15:15 Coffee Break

15:45 **Invited Lecture:** Towards Integrated Offshore Foundation Design in Weak Rocks

Harun Kursat Engin
Norwegian Geotechnical Institute

16:30 The Cyclic Strain Accumulation Method – a simple practical numerical method to predict the cyclic behaviour of monopile and shallow foundations

Shuhan Cao
University Hannover

17:00 A new Cyclic Overlay Model for the Design of Laterally Loaded Monopiles
Junnan Song

University Hannover

17:30 Partially Drained Soil Response under Monotonic and Cyclic Loading

Jochen Zürn
Karlsruhe Institute of Technology

Wednesday 02.09.2026

09:00 **Invited Lecture:** From Displacement-Based Design to Intelligent Offshore Infrastructure

Amin Barari
Aalborg University

09:45 Modeling impact driving of closed-ended piles in sands with a multi-resolution MPM

Ning Guo
Zhejiang University

10:15 PFEM Simulation of Jacked Open-Ended Pile Installation in Sand

Xiaoxuan Lyu
Zhejiang University

10:45 Coffee Break

11:15 **Invited Lecture:** Mooring System–Seabed Interaction: New Insights into Novel Anchors

Shengjie Rui
National University of Singapore

12:00 PFEM Simulations of Vibratory Pile Driving in Saturated Sand

Antaeus Bettmann, Jan Machacek
Technical University Darmstadt,
Federal Waterways Engineering and
Research Institute, Karlsruhe

12:30 Predicting the long-term behaviour of Multi-Caisson Foundations for Offshore Wind Turbines

Lisa Tschirschky
Bauhaus-University Weimar

13:00 Lunch Break

14:00 Towards simplified predictions of long-term deformations of offshore wind turbine foundations: parameter correlations and automatic calibration

Lucian Canales Brenlla, Joana Bombe
Ruhr-University Bochum

14:30 Comparison of different approaches for the prediction of long-term deformations of offshore wind turbine foundations

Parisa Khodaverdlou, Merita Tafili,
Hossam Abdellatif, Majid Goodarzi,
Pooyan Ghasemi, Pauline Suzuki
Ruhr-University Bochum

15:00 Closing remarks

Merita Tafili, Torsten Wichtmann
Ruhr-University Bochum

15:15 Optional laboratory tour