

Internes Kolloquium

Institut für Geotechnik

4. März 2016

New laboratory testing facilities for offshore renewable energy applications & Offshore pipeline and cable ploughing research

Dr. Michael Brown
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Zeit, Ort:
13.00 Uhr, ETH Zürich, Hönggerberg, Zürich, HIL E 5

The presentation will begin by outlining new bespoke research laboratory testing facilities installed at the University of Dundee, UK, for physical modelling and soil characterisation aimed specifically at offshore renewable energy development. It will then go onto describe a specific physical modelling study looking at the performance of an offshore pipeline plough in an unusual geohazard.

Dr Michael Brown is a senior lecturer at the University of Dundee, UK. His research focuses on the physical modelling of onshore and offshore geotechnical problems faced by both the oil and gas and renewables sectors. He currently holds major multi university grants to investigate the performance of offshore cable ploughs and screw piles as an alternative foundation system for deeper water offshore wind installations. He is a UK representative on ISSMGE TC 212: Deep Foundations, convenor of CEN/TC 341/WG7: Non-static tests on piles. He is past chair of the ICE Scottish Geotechnical Group, and ICE Geotechnical Engineering Journal and a member of the SUT Offshore Site Investigation Group (OSIG). He also has 5 years' experience of working in geotechnical onshore and offshore contracting and consulting.

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