



An Introduction to Offshore Geophysics and Geotechnical Engineering

21th and 22nd May – Hosted by Southampton University

DAY 1

21th of May

08.30 Registration & Coffee

08:50 Introduction Day 1

Francesca Ciavaglia, Lloyd's Register

09.00 Site Investigation Overview and Planning

Lone Krogh, Orsted

09:30 Introductory Seismic Principles

Dei Huws, Bangor University

10:15 Geophysical Systems

Dei Huws, Bangor University

10.45 Q&A

11.00 Break

11.15 Geohazard Assessment

TBC, BP

11.45 Environmental Assessment

Katie Cross, ERM

12.15 Marine Archaeology

Michael Walsh, Coracle Archaeology

12.45 Q&A

13.00 Lunch

14:00 Computer Based Geophysical & Ground Modelling Practicals

Justin Dix, Southampton University

•Geohazards

•Time Lapse Swath Bathymetry and Cable Operations

•3D Seismic, Borehole Integration & Ground Model

17.00 – 18.30 Drinks and Networking

18.30 Dinner

20.00 Close

DAY 2

22nd of May

08.30 Coffee

08:50 Introduction Day 2

Andrew Benson, Atkins

09.00 Offshore Structures Foundation Design

Helen Dingle, Arup

09:45 Geotechnical Investigation Systems

Richard Metters, Gardline

10.15 CPT and Other In Situ Tests

Roi Santos, Ørsted

10.45 Q&A

11.00 Break

11.15 Laboratory Testing

TBC, NGI

11.45 Ground Model

Andrew Hart, Atkins

12.15 Cables Design and Installation

Jennie Morgan, Seaway7

12.45 Q&A

13.00 Lunch

14.00 Laboratory Based Practicals & Demonstrations

David White, Southampton University

•Core Logging

•Basic Lab Testing & Classification

•Advanced Lab Testing

•In Situ Testing and ROV/AUVs

•Model Testing

17.15 Course Closure