



An Introduction to Offshore Geophysics and Geotechnical Engineering

20th and 21st May – Hosted by Southampton University

DAY 1

20th of May

08.30 Registration & Coffee

08:50 Introduction Day 1

Francesca Ciavaglia, Lloyd's Register

09.00 Site Investigation Overview and Planning

Alice Ridgway Hill, Orsted

09:30 Introductory Seismic Principles

Dei Huws, Bangor University

10:15 Geophysical Systems

Andrew Mason, Fugro GB Marine Limited

10.45 Q&A

11.00 Break

11.15 Geohazard Assessment

Gareth Wood, BP

11.45 Environmental Assessment

Katie Cross, ERM

12.15 Marine Archaeology

Claire Mellet, Royal HaskoningDHV

12.45 Q&A

13.00 Lunch

14:00 Computer Based Geophysical & Ground Modelling Practicals

Justin Dix, Southampton University

•Geohazards

•3D Seismic, Borehole Integration & Ground Model

17.00 – 18.30 Drinks and Networking

18.30 Dinner

20.00 Close

DAY 2

21st of May

08.30 Coffee

08:50 Introduction Day 2

Andrew Benson, AtkinsRealis

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

Andrea Diambra, University of Bristol

10.45 Q&A

11.00 Break

11.15 Laboratory Testing

Simon Oberhollenzer, NGI

11.45 Ground Model

Andrew Hart, AtkinsRealis

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