



An Introduction to Offshore Geophysics and Geotechnical Engineering

18th to 19th January – Hosted by Southampton University

DAY 1 (Geophysical theme)

18th of January

08.30 Registration & Coffee

08:50 Introduction Day 1

Francesca Ciavaglia, Lloyd's Register

09.00 Introduction to and Overview of Offshore Site Investigation

Mick Cook, MCL Consultancy

09:20 Site Investigation Planning

Breandan Murphy, RPS

09:50 Introductory Seismic Principles

Dei Huws, Bangor University

10:30 Geophysical Systems

Richard Orren, Inosys

11.00 Q&A

11.10 Break

11.30 Geohazard Assessment

Gareth Wood, BP

12.00 Environmental Assessment

Katie Cross, Marine Space

12.20 Marine Archaeology

Tim Marples, Wessex Archaeology

12.40 UXO

Lee Gooderham, Ordtek

13.00 Q&A

13.10 Lunch

14:15 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 Evening Presentation

Sue John, SUT Chair

Julian Osborne, Ocean Infinity

Mick Cook, MCL Consultancy

18.30 Dinner

20.00 Close

DAY 2 (Geotechnical theme)

19th of January

08.30 Coffee

08:50 Introduction Day 2

Andrew Benson, Atkins

09.00 Geotechnical Investigation Systems

Richard Metters, Gardline

09:30 CPT and Other In Situ Tests

Roi Santos, Ørsted

10.00 Laboratory Testing

Santiago Quinteros, NGI

10.30 Q&A

10.40 Break

11.00 Ground Model

Andrew Hart, Atkins

11.30 Foundation Design for Offshore Structures

Sebastien Manceau, Kent

12.15 Cables and Pipeline Design

S.Panayides & R. Edmondson, Subsea 7

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