



# An Introduction to Offshore Geophysics and Geotechnical Engineering

20<sup>th</sup> and 21<sup>st</sup> May – Hosted by University of Southampton

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## DAY 1

**20 May**

**08.30 Registration & Coffee**

**08:50 Introduction Day 1**

*Simona Caruso, BP*

**09.00 Site Investigation Overview and Planning**

*Alice Maynard, RWE*

**09:30 Introductory Seismic Principles**

*Dei Huws, Bangor University*

**10:15 Geophysical Systems**

*Andrew Mason, RWE*

**10.45 Q&A**

**11.00 Break**

**11.15 Geohazard Assessment**

*Gareth Wood, BP*

**11.45 Environmental Assessment**

*Sam Strutton, 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, UoS*

•Geohazards

•3D Seismic, Borehole Integration & Ground Model

**17.00 – 18.30 Drinks and Networking**

**18.30 Dinner**

**20.00 Close**

## DAY 2

**21 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**

*Roi Santos*

**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, UoS*

•Core Logging

•Basic Lab Testing & Classification

•Advanced Lab Testing

•In Situ Testing and ROV/AUVs

•Model Testing

**17.15 Course Closure**