



# **An Introduction to Offshore Geophysics and Geotechnical Engineering**

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

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## **DAY 1**

### **20<sup>th</sup> 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**

*TBC*

#### **10.45 Q&A**

#### **11.00 Break**

#### **11.15 Geohazard Assessment**

*Gereth 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**

##### **•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**

### **21<sup>st</sup> 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**

*Simon Oberhollenzer, 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**