# Energy In Transition and the Impacts for Site Investigation and Characterisation

Thursday 16 September 2021 - St. James’ Park, Newcastle

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<th>Time</th>
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<td>08:30</td>
<td>Registration &amp; Coffee</td>
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<td>09:15</td>
<td>Welcome &amp; Introduction - Karen Dalton, Mick Cook</td>
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**Session 1 Decommissioning – Chair – Mick Cook, SUT**

- SIMULATION-LED – Integrating Sustainability, Engineering and Economic Ecosystems to Reconsider Decommissioning in the Context of ‘Climate Emergency’ - Moya Crawford, Deeptek
- Decommissioning - An Industry Perspective - Joe Leask, OGUK
- Marine Geo- and Eco-Engineering Solutions to Mitigate Climate Change - an Holistic Assessment - Professor Mike Elliot, Hull University

A Need for Data-led Selection of Ecologically Optimal Decommissioning Options - Damien Kirby, MarineSpace

Questions for the Panel

Morning Tea/Coffee Break

**Session 2 Carbon Capture and Storage – Chair – Karen Dalton, RPS**

- Digital Geoscience in Offshore Wind & CCS - Thomas Langford, NGI
- The “IOGP Guidelines for Seabed and Overburden Integrity Monitoring for Offshore CO2 Storage” - Eric Cauquil, TotalEnergies
- Site Investigation for Site Characterisation and Initial Design of HDD Duct and Cable Landings - Victor Terente/David Hinxman, Cathie

Questions for the Panel

Lunch Break

programme may be subject to change
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Session 3  Fixed Offshore Wind – Chair – Roi Santos, Ørsted

USVs – The Safe, Reliable and Low Carbon Solution for the Collection of Ocean Data - Hannah Bartlett, XOcean

Development and Investigation of Silent Foundations for Offshore Renewable Energy - Professor Mike Brown, (Dundee University / Heerema)

The Application of Site Investigation Data to Further De-risk Offshore Wind Developments: Assessment of Site Morphodynamics and Potential Seabed Level Variability - Kevin Black, Partrac

Laboratory Testing for FEA-Based Foundation Design: Pitfalls and Opportunities - Scott Whyte, Geowynd

The Case for Understanding Metocean Conditions on Your Wind Farm Early: How a Team of Oceanographers Can Deliver Multimillion Pound Savings - Jacob Royle, SSE

Questions for the Panel

Afternoon Tea/Coffee Break

Session 4  Floating Offshore Wind – Chair – Phil Durrant, MarineSpace

Micropile Solutions for Floating Structures - Jon Machin, Subsea Micropiles

Seabed Characterisation for Design of Offshore Floating Wind Foundations - Alice Maynard, DNV

Mooring Foundation Challenges for Offshore Floating Wind - Fraser Gibson, Ryder

Ground Model Site Characterisation for the Offshore Energy Industry - David Rushton, OWC

Energy Transition, Site Investigation Challenges, Holistic View - Roi Santos, Ørsted

Questions for the Panel

Closing Comments - Peter Allan

17:30 - 18:30  Drinks Reception & Networking

18:30 - 23:00  Dinner