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SUT, MASTS and the D'Arcy Thomson Forum present:

The Salvage, Decommissioning & Wreck Removal Workshop

Tuesday 5<sup>th</sup> December 2023

(Auditorium A, Technology & Innovation Centre, University of Strathclyde, Glasgow)

## **The (Second) Energy Upheaval and Data: Head First Thinking and Learning from Experience.**

*We are in a second energy upheaval! The first occurred when the maritime sector changed simultaneously from sail to steam, and wood to iron. This second is to achieve 'net zero'. The technologies may be very different, but market need and human nature remain very much the same. How do we better organize ourselves to flush out Unintended Consequences?*

### **Open**

09:15 Karen Seath, Chair, SUT Salvage, Decommissioning & Wreck Removal Committee

[Welcome](#)

09:20 Keynote: Maggie Chapman, MSP for North East Scotland, Scottish Green Party

[Scene set on the Just Transition](#)

### **Session 1: The transparency of the energy upheaval.**

09:35 *Chair: Charlotte Stamper, Energy Infrastructure Lead, European Metals Recycling*

Abigail Davies, Lecturer in Sustainability, Robert Gordon University

[GHG emissions and the energy 'transition' from oil and gas to renewables](#)

Tom Baxter, Visiting Professor, University of Strathclyde

[The Wise Use of Hydrogen](#)

John Owen, Consultant, Bernicia Marine

[Making decommissioning sustainable – the need for openness, consistency, transparency and sharing](#)

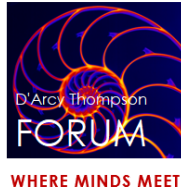
Discussion/Q&A using Mentee:

- What has offshore renewables learned from oil and gas (both, what to do and what not to do)?
- Is 'green washing' a thing of the past and does ESG (Environmental Social Governance) achieve its aims?
- Is OSPAR still 'relevant and complete' considering climate change?

11:00 *Wrap up/Coffee*

### **Session 2: Circular economy and offshore wind – Starting with the end in mind.**

11:30 *Chair: Callum Falconer, Operations Director, Decom Mission*



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Lorna Bennet, Project Engineer, ORE Catapult

[A circular wind sector](#)

Stephen Norman, Global Business Development Director, Noble Denton Marine Services, DNV

[Total Assurance as an enabler - ensuring that decommissioning and disposal is designed-in and not an unwelcome afterthought](#)

Pietro Di Modica, KTP Associate – Wind Turbine Decommissioning, University of Strathclyde/ Seconded at Renewable Parts

[KTP Renewables Decommissioning Project – Onshore vs Offshore](#)

Steven Lindsay, Director, ReBlade

[Recycling and reuse challenges of wind blades](#)

Discussion/Q&A using Mentee

- What alternative materials could be used for wind blades?
- Could blades be different for on and offshore?
- How can wind companies be 'green'?
- Is floating offshore wind insurable and at what cost?

13:00 *Wrap up/Lunch*

### **Session 3: Environmental impacts & Emergency response**

14:00 *Chair: Nicky Carilgia, Independent Consultant, Maritima Ltd*

Nigel James, Master Mariner (1), and Paul Coates, Marine Fire & HAZMAT Consultant (2), Waves Group

(1) [Carriage of plastic nurdles in containers at sea](#)

(2) [Challenges and Risks associated with the carriage of Lithium-Ion batteries at sea](#)

Tracy Shimmiel, Chair GESAMP (Group of Experts of the Scientific Aspects of Marine Protection)/ British Geological Society

[Mining and the Marine Environment](#)

Andy Birchenough, Technical Officer, Office for London Convention/Protocol & Ocean Affairs, International Maritime Organisation (IMO)

[The London Protocol/Convention on dumping of wastes and other matter – An update](#)

John Owen, Consultant, Bernicia Marine

[Salvage versus Oil and as approaches – A fireside discussion](#)

Discussion and Q&A using Mentee

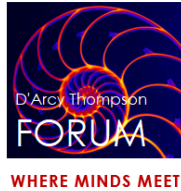
- What do you perceive to be the greatest significant, long term negative, ecosystem impact from a shipping perspective?

15:30 *Wrap up/Coffee*

### **Session 4: Digital Technologies as a Way of Thinking, every bit as a means of Visualization**

15:50 *Chair: Moya Crawford, Managing Director, Deep Tek and D'Arcy Thompson Simulator Centre*

[The SustainaVERSE™ – A collaborative digital journey; reliable and timely data for better decision making](#)



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Demetris Clerides, Head of EMEA / Ali Merchant, CEO and Founder, IQ3 Connect  
Charlie Irons, Simulator Lead, D'Arcy Thompson Simulator Centre  
[Live demonstration – Use of different digital media as tools](#)

#### Discussion/Q&A using Mentee

- Sustainable, Responsible, Impact+ Investment+ (SRII++) asking the question of algorithms and models when decision-making – why can I reply upon this?
- How to achieve integrated data collection to enable better integration between design, engineering, operation, and ecology.

#### Session 5: Researcher impact updates

16:40 *Chair: Tom Wilding, Benthic Ecologist, SAMS /INSITE Principal Investigator*

Tom Morgan, MASTS SUPER PhD student, Scottish Association of Marine Science (SAMS)  
[Machine-based image analysis in seabed assessments](#)  
Christoph Gade, PhD student, National Decommissioning Centre, University of Aberdeen  
[Assessing post depositional reactivity of legacy contamination: A case study on mercury](#)  
Hugo Woodward-Rowe, PhD student, School of Life Sciences, University of Essex  
[Sedimentary blue carbon around decommissioned oil and gas platforms in the North Sea](#)

Q&A

17:15 *Wrap up and Closing remarks.*

Dave Paterson, CEO, Marine Alliance for Science and Technology for Scotland (MASTS)

17:20 Close