



# EIMR INTERNATIONAL CONFERENCE 2022

Environmental Interactions of Marine Renewables

## EIMR 2022; Programme Day 1 - Tuesday 4th October

**10.45am Conference Day welcome; Chair of the EIMR2022 Scientific Advisory Committee - Prof. Ben Wilson**

**11.00am to 12.00 noon – Theme Session 1 “Industry-wide oversight programmes”**

**Chair; Erica Knott**

**Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)**

<i>Pre-recorded oral presentations for this theme session discussion</i>	<i>Presenter</i>
<i>ORJIP Offshore Wind - collaboration to improve understanding of effects of offshore wind on the environment</i>	<i>Ivan Savitsky</i>
<i>Exploring the Environmental Effects of Marine Renewable Energy in Tropical and Southern Hemisphere Countries</i>	<i>Lysel Garavelli</i>
<i>Collaboratively addressing consenting issues in Wales: Developing the Information Notes</i>	<i>Raeanne Miller</i>
<i>Generating evidence through the Scottish Marine Energy Research Programme</i>	<i>Alexander Gilliland</i>

**12.00 noon to 1.00pm – Keynote for the day**

**What will the energy landscape look like in 2050? (tbc)**

**1.00pm to 2.00pm; Conference break (live e-Posters session - 1.15pm to 1.45pm)**

<i>Live e-posters available to view</i>	<i>Presenter</i>
<i>Potential environmental effects of widespread future deployment of floating ORE structures</i>	<i>Caitlin Harris</i>
<i>Changes in the distribution and abundance of marine top-predators in the North Sea associated with present and future wind farm developments</i>	<i>Sophie Crouch</i>
<i>Deep recurrent neural networks to classify marine mammals around tidal turbines using passive acoustic monitoring</i>	<i>Vahid Seydi</i>
<i>Evaluating the performance of multibeam echosounders with standardised targets</i>	<i>Nicholas Petzinna</i>

**2.00pm to 3.00 pm – Theme Session 2 “Challenges driving new techniques and innovation”**

**Chair; Benjamin Williamson**

**Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)**

<i>Pre-recorded oral presentations for theme session discussion</i>	<i>Presenter</i>
<i>Marine mammal HiCUP: A High Current Underwater Platform for the long-term monitoring of fine-scale marine mammal behaviour around tidal turbines</i>	<i>Douglas Gillespie</i>
<i>Floating tidal turbine structures: Proving a robust approach to inform on industry-relevant flow measures and environmental interactions</i>	<i>Lilian Lieber</i>
<i>Automatic classification of biofouling images on marine renewable energy structures using Deep Learning</i>	<i>Juliette Signor</i>



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## **3.00pm to 4.00 pm – “Megafauna in proximity 1”**

Chair; Ben Wilson

Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)

<i>Pre-recorded oral presentations for theme session discussion</i>	<i>Presenter</i>
<i>Understanding the risks of tidal energy development to fish using acoustic telemetry</i>	<i>Daniel Hasselman</i>
<i>Risk of Displacement of Marine Animals from Marine Renewable Energy Development</i>	<i>Andrea Copping</i>
<i>Diving seabird foraging in a tidal development area and potential for interactions with tidal stream turbines</i>	<i>Natalie Isaksson</i>
<i>Black Guillemot (Cephus grylle) foraging and diving behaviour in relation to areas of strong tidal currents</i>	<i>Daniel Johnston</i>

## **4.00pm to 4.30pm - live e-Posters session**

<i>Live e-posters to view</i>	<i>Presenter</i>
<i>Efficiency of environmental DNA compared to conventional methods for biodiversity monitoring purposes at offshore energy sites</i>	<i>Lenaig Hemery</i>
<i>The applicability of unmanned aerial vehicles as a survey tool within tidal stream environments</i>	<i>James Slingsby</i>
<i>IMARDIS Cyberinfrastructure – a cloud-based data management system for environmental impact assessments of tidal turbines</i>	<i>Noel Bristow</i>
<i>Tethys: Facilitating Knowledge Sharing on Environmental Effects of Marine Renewable Energy Around the World</i>	<i>Hayley Farr</i>
<i>A local approach to the standardisation of socio-economic values for suitability mapping</i>	<i>Inne Withoutk</i>

**Finish Day One**