

2018-07-04

PRIMaRE Workshop Agenda: Paving the way to scale up MRE devices towards commercialisation

Perez-Collazo, C

<http://hdl.handle.net/10026.1/12651>

All content in PEARL is protected by copyright law. Author manuscripts are made available in accordance with publisher policies. Please cite only the published version using the details provided on the item record or document. In the absence of an open licence (e.g. Creative Commons), permissions for further reuse of content should be sought from the publisher or author.

PRIMaRE Workshop: Paving the way to scale up MRE devices towards commercialisation

Bill Brown Suite, Queen's Building, New Wing, Woodland Road, Bristol University, Bristol

The Key Challenge Workshops are aimed to be an industry oriented dynamic and proactive forum to ensure alignment of PRIMaRE research priorities, and to focus on key emerging challenges requiring special attention. Workshops will be UK focussed events structured around relevant topics for the development of the MRE sector.

The workshop will be structured to identify research priority areas across environmental/consenting and technical aspects of marine renewable energy.

The workshop will take place ahead of the 5th PRIMaRE conference at the University of Bristol on **Wednesday 4 July 2018**.

The workshop is supported by The Royal Society via a Royal Society – CNR International Fellowship at Loughborough University and by PRIMaRE.

The workshop is free to attend but participants must **register** here (<https://www.surveymonkey.co.uk/r/DLNCV8C>) no later than Friday 29th June.

Please email carlos.perezcollazo@plymouth.ac.uk or E.Renzi@lboro.ac.uk if you have any queries.

Topics of the workshop

- Socio-Environmental & Policy Challenges of Array Deployment:
 - Supply Chain Needs
 - Environmental Issues & Monitoring Needs
 - Moving from Technology Readiness Level to Commercial Readiness Index
- Hydrodynamic & Experimental Modelling Challenges for Full-Scale Devices:
 - Energy Extraction/Production
 - Extreme Loads & Survivability
 - Understanding Scaling Effects
 - Hybrid Devices

Aims of the workshop

- To explore new research arenas, identifying and coordinating the research priorities for the PRIMaRE partners;
- To expand the relationship between PRIMaRE and industry, utilising their feedback to identify research priorities and opportunities for future collaborations;
- To disseminate the expertise and knowledge gained among the PRIMaRE members to the industry and the wider MRE community; and
- to be the base for a coordinated response from PRIMaRE to the wider sector and stakeholders to help set the agenda and respond to the research and development needs

PRIMaRE Workshop: Paving the way to scale up MRE devices towards commercialisation

Bristol, 4 July 2018

Bill Brown Suite, Queen's Building, New Wing, Woodland Road, Bristol University, Bristol

Agenda

9:00	Arrival and Coffee	
9:30 – 9:40	Welcome and introduction to workshop	Carlos Perez Collazo /Emiliano Renzi
Session 1		
How can industry and academia address the supply chain, policy and environmental challenges for deploying full-scale arrays?		
9:40 – 10:00	Challenges for MRE to become commercial	Stuart Bradley (ES Catapult)
10:00 – 10:20	Moving from single unit to array	Robert Bray (MeyGen)
10:20 – 10:40	Ecologically Sustainable Solutions for an Engineered Future	Beth Scott (University of Aberdeen)
10:40 – 11:10	Panel discussion	
11:10 – 11:30	Coffee & tea	
11:30 – 12:10	Break out session 1: separate groups to discuss	
12:10 – 12:40	Re-group and Feedback and discussion	
12:40 – 13:10	Lunch (sandwiches and drinks provided)	
Session 2		
How can industry and academia develop improved numerical and experimental modelling methods for full-scale devices and arrays?		
13:10 – 13:30	Numerical and experimental methods for full-scale devices and arrays	Vincenzo Nava (Tecnalia)
13:30 – 13:50	Scaling experimental results - an issue for MRE development?	Pal Schmitt (Queen's University Belfast)
13:50 – 14:10	Hydrodynamics of extreme loading conditions	Jun Zang (University of Bath)
14:10 – 14:40	Panel discussion	
14:40 – 14:50	Coffee & tea	
14:50 – 15:30	Break out session 2: separate groups to discuss	
15:30 – 16:00	Re-group and Feedback & Discussion	
16:00	Close	