## Innovations Helping Marine Renewables Achieve Cost Reductions



Cost reduction is the constant aim of the marine renewable energy industry, and this year's 'Marine Renewables' conference session on Tuesday 15 March, the opening day of Oceanology International 2016 (OI 2016), will be exploring some of the steps being taken to achieve this all-important goal.

Industry professionals share how recent innovations in modelling, surveying and foundation design are helping the industry achieve real cost reductions, according the cochairs of the day-long session, Nick Murphy, head of Operations, SeaRoc and Tony Hodgson, global business development manager – renewable energy, Fugro.

## **Day's Outline**

The day will start by exploring some of the new techniques and technologies which are expanding our knowledge in offshore surveying, in areas such as underwater acoustics, quantifying turbulence, and dealing with WWII bombs and other unexploded ordinance. After lunch, a panel of experts will present some of the more novel foundation systems which are being deployed to support offshore wind, tidal and wave energy projects around the world, and who will talk about a variety of projects they have been involved with, from large bore submarine drills, rock anchors and suction caissons to self-installing substations from Germany.

Finally there will be a wrap up with a session on new applications from existing technologies, at which we will hear from the European Space Agency on how space tech is being applied in offshore renewables (and vice versa). These include the latest on floating Lidar for offshore anemometry, and a commercial power application from wave energy today; as well as the fascinating world and complexities associated with physical modelling and replicating the environmental conditions of seabed scour.

Registration for this conference is free - just visit the Oceanology International website.

https://www.hydro-international.com/content/news/innovations-helping-marine-renewables-achieve-cost-reductions