Joint REIS (CoE) – HNEI (SOEST) Seminar

Marine Energy Resources and Development

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Seminar Location: Holmes Hall 287 Time: June 5, 2009 Friday 2:00 – 3:00 pm

About the speaker: Dr. George Smith is now Professor in Renewable Energy within the Camborne School of Mines at the University of Exeter, UK. He led the Heriot-Watt University contribution to the Supergen Marine EPSRC research project. His principal personal contribution was related to wave analysis and resource assessment. He was also the work package leader for (i) Engineering guidance (ii) Moorings and Foundation and (iii) Full-scale testing. He led the development of the Wave Energy Device Protocol for the DTI Marine Renewable Development Fund and is now the lead academic at University of Exeter for the PRIMaRE research initiative. He is currently involved in two European Union marine energy research projects and is co-investigator on an EPSRC funded project to investigate the possible use of wave ahead prediction.

PRIMaRE (Peninsula Research Institute for Marine Renewable Energy) is a multi-million pound research collaboration between the University of Exeter and Plymouth University in the field of marine energy. Its aim is to undertake international quality research, whilst providing support to the Wave Hub development and the developers who will be deploying at the Wave Hub site. University of Exeter, Renewable Energy Group website: http://www.ex.ac.uk/cornwall/csm/research/renewable-energy, PRIMaRE website: http://www.primare.org and Wave Hub website: http://www.wavehub.co.uk/

Abstract

Professor Smith will cover a range of issues relevant to the development of the wave and tidal stream industries. These will include (i) a review of some of the UK and European research and development activity in marine wave research and development (ii) work from within his research group and the PRIMaRE research Partnership. This will include aspects of resource assessment; moorings; standards and international engagement.