



Structural Monitoring of Offshore Wind Foundation Systems
“A ‘Free’ University-Industry Seminar for the Offshore Wind Energy Sector”

Venue: Malet Place Engineering Room 1.02, University College London

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Date: Wednesday 23rd September 2015

AGENDA

09:00-09:30 Registration

Morning session:

09:30-09:35 Introduction & Housekeeping, Dr Paul Fromme (UCL)

09:35-10:00 What can we reasonably expect of Offshore Wind SIM?
Prof Feargal Brennan (Cranfield University)

10:00-10:30 Structural monitoring as part of monopile strengthening and life extension,
David Gration (Arup)

10:30-11:00 Wind Farm SIM, TBC (Ramboll)

11:00-11:30 *Tea, coffee and networking*

11:30-12:00 Application of Acoustic Emission for active defect detection, Tim Bradshaw (Mistras)

12:00-12:30 Recent experience in integrity monitoring in offshore wind, TBC (Atkins)

12:30-12:50 Maximising the Carbon Impact of Wind Power,
Dr Iain Staffell (Imperial College London)

12:50-14:10 *Lunch & networking*

Afternoon session:

14:10-14:20 The RTN (Renewables Training Network), Patricia Knightley (RenewableUK)

14:20-14:40 Screw piles for wind energy foundation systems,
Dr Michael Brown (University of Dundee)

14:40-15:00 MAXFARM (MAXimizing wind Farm Aerodynamic Resource via advanced Modelling),
Dr Phil Hancock (University of Surrey) [TBC]

15:00-15:30 *Tea, coffee & networking*



- 15:30-15:50 Servo-aeroelastic tailoring of wind turbines using new active-to-passive control systems, Dr Alberto Pirrera (University of Bristol)
- 15:50-16:00 Evaluation of wind farm support structures performance based on extrapolation of structural health monitoring (SHM) data from selected instrumented units, Dr Athanasios Kolios (Cranfield University)
- 16:00-16:10 Dynamic wind power plant control for systems integration, Dr Olimpo Anaya-Lara, (University of Strathclyde)
- 16:10-16:20 Integrated structural and foundation health monitoring for offshore wind turbines, Alistair Muir Wood (Dong)
- 16:20-16:45 Discussion and close

To register Email: energytheme-events@cranfield.ac.uk

There will also be an EngD/PhD student Poster Exhibition

If you are a student and wish to present a Poster, please contact Anastasia Ioannou a.ioannou@cranfield.ac.uk who'll supply the SuperGen Wind Poster Template and supply other details.