



EPSRC & NERC InDustrial CDT
for Offshore Renewable Energy

www.idcore.ac.uk

IDCORE Symposium 2022

Hybrid Conference and Seminar showcasing cutting-
edge research in Offshore Renewable Energy

Wednesday 6th & Thursday 7th April 2022

Surgeon's Quarter, Charter Suite, The Prince Philip Building
The Royal College of Surgeons of Edinburgh, Nicholson St,
Edinburgh, EH8 9DW

Register at:

IDCORE Symposium 2022 Registration | Eventbrite



Research Topics

Wind

LIDAR-assisted control for floating offshore wind turbine applications
Andrew Russell, Wood Group and Flotation Energy

Realistic and validated test environments for wave-wind-current systems
Anita Nunes Leite, FloWave

Characterisation of hydrodynamic loads on floating wind turbine substructures
Tegan Foster, Stiesdal Offshore Technologies

Methods to deal with uncertainty in Offshore Wind project financing and strategic decision making
Nicholas Kell, EDF

Floating wind expectations and concerns in the 2020s: a stakeholder analysis through industry consultation
Ben Moverley-Smith, Xodus Group

Validating High-order Hydrodynamic Models on TLP Floating Wind Platforms
Elie Rongé, EDF

Simulation tools to support the construction phase of offshore wind farm projects
Susana Torres, JBA Consulting

Marine acoustic particle motion: Much a buzz about nothing?
Simon McLaughlin, Seiche Water Technology Group

Developing and validating a holistic O&M simulation tool for offshore renewable energy projects
Nadezda Avanesova, ORE Catapult

Wave and Tidal

Power Performance - How reliable is the measurement...
Luke Evans, EMEC

Coupled Analysis of Floating Offshore Wind Turbines and Mooring System under Combined Wave and Current
Mujahid Elobeid, EnerOcean

Coupled Analysis of Floating Offshore Wind Turbines and Mooring System under Combined Wave and Current
Jan Dillenburger-Keenan, Orbital

Development of novel met-ocean analytical techniques to characterise turbulence for assessment of hydrodynamic loads
Alyona Naberezhnykh, EMEC

The Case for a Hybrid Wave-Solar Device: Some Results from at Sea Testing
Mac Versey, Mocean Energy

Optimisation of Balance of Plant Systems for Floating Tidal Power
Calum Dunnett, Sustainable Marine

Hydrogen

Moving Hydrogen – by Road, Rail, Sea or... Alchemy?
Callum Turnbull, Wood Group

