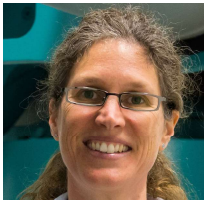


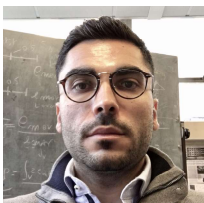
Special Session:

Understanding, Modelling, and Design of Offshore Wind Turbine Foundation

Organizers

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Special Session description

In the 2015 Paris Agreement on climate change, 195 countries agreed to limit the global average temperature rise to maximum 2°C above pre-industrial levels. This requires massive deployment of low-carbon energy technologies, among which offshore wind is one of the largest contributors to renewable electricity.

The operational integrity of recently planned offshore wind turbines foundations may be exposed to a number of serious threats when they are built in either harsh environmental conditions or seismic active regions.

To ensure that offshore wind power is of high efficiency and becomes economically-competitive and free of subsidies, the development of new robust and cost-effective design methods must be a priority. This special session aims to bring together researchers, practitioners and stakeholders to share recent advances in theoretical, experimental and computational modelling of soil-structure interaction problems and behaviour of soils under cyclic loading, with special emphasis on foundations for offshore wind turbines.

The following themes are encouraged, but are not limited to:

- Dynamic soil-structure interaction
- Flow, scour, and liquefaction around marine structures
- Evolution of design approaches
- Laterally loaded foundations
- Fluid-structure interaction
- Floating foundations
- Monitoring of real offshore wind turbines

Selected papers from the special session may be considered for publication in the Journal Special Issue.

SUBMISSIONS :

<https://iconhic.com/2019/authors-area/>

Abstract Submission Deadline:

10 December 2018

Paper Submission Deadline:

30 January 2019



23 – 26 June, 2019 | Chania, GREECE