



Special session n°5

Marine Renewable Energies

Proposed by:

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Call for papers

The potential for producing electrical energy from marine renewable energies is gigantic. The development of solutions allowing to capture this energy sustainably is one of the challenges of our society. In recent years, many projects, as well as many prototypes or demonstrators have emerged. The purpose of this special session is thus to highlight the challenges of electrical conversion and its integration into a network or micro-network in the context of marine renewable energies. It aims to organize meetings and exchanges concerning the entire electrical conversion chain and integration into the network. This special session on Marine Renewable Energies will feature the latest progress in electrical engineering applied to wave, tidal and offshore wind technologies and their grid integration.

Topics (non exhaustive)

- Physical modelling of energy converters, resource modelling
- Power electronics
- Storage systems
- Control strategies
- Fault tolerance
- MRE integration into farms: architectures, reliability

Abstract submission deadline : 07/02/2020