



Advances in Ocean Wave Energy Conversion

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Despite its potential, wave energy extraction technology is not yet mature. The US Department of Energy (DoE) reported in 2012 that the world's installed capacity for wave energy is less than 5 MW, mostly produced on a pre-commercial basis. Yet, there has been a significant growing interest in wave energy in the past few years. Recently, we have seen advances in wave energy converter (WEC) modelling, WEC array modelling, and new control concepts have emerged. There have also been advances in the development of power take off (PTO) units. The aim of this Special Issue is to assemble papers to reflect the state of wave energy covering a range of topics in numerical models, WEC control, physical model testing, development of PTO units, and WEC array modelling. Papers on all aspects of ocean wave energy conversion are invited, especially on the following:

- Advanced numerical models
- Nonlinear WEC device modelling
- Physical model tests (laboratory and field experiences)
- PTO and control systems
- WEC array modelling, simulation, and control
- WEC array optimization

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Message from the Editor-in-Chief

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