

Special Issue

Advances in Power Take-Off Systems for the Future Wave Energy Conversion

Message from the Guest Editors

Dear Colleagues: The concept of power take-off (PTO) in the topic of wave energy conversion (WEC) is considered as the group of elements in charge of transforming the mechanical energy captured from the waves into electricity delivered into the electric grid. The topics included in this special issue will be: development of PTO technology; demonstration of new PTO performance; improvement of PTO control strategies; onshore testing previous to final commissioning; optimization of PTO design; PTO standardization; scalability and modularity of PTOs; validation of wave-to-wire models; demonstration of grid-compliance power, including short-term energy storage solutions to smooth power output.

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