



Tidal Turbine

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Message from the Guest Editor

Dear Colleagues,

In 2019 we witnessed the final decommissioning of the tidal turbine SeaGen in Strangford Lough, Northern Ireland. Over its 11 years in the water, it produced nearly 12 GWh of electricity to the grid. This is major achievement in comparison with early wind turbine and photovoltaic installations, which are now a major industry and source of energy. At the same time, several tidal turbines, varying in scale, have been deployed around the world—a reason for celebration?

Much work still needs to be done to make tidal energy a major industry. This Special Issue will present the recent developments in tidal energy research, from pure numerical modeling to laboratory and field testing and from hydrodynamics to operability, materials, and installation. Furthermore, all aspects from installation to operation will be presented by some of the leading researchers in this field, bringing this energy resource closer to large scale exploitation.





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Message from the Editor-in-Chief

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