



energies



an Open Access Journal by MDPI

Innovation in Grid Connection and Control of Offshore Renewable Energy Systems

Guest Editor:

Dr. Eider Robles Sestafe

1. Offshore Renewable Energy,
TECNALIA, Basque Research and
Technology Alliance (BRTA),
Parque Tecnológico de Bizkaia,
48160 Derio, Spain

2. Department of Automatic
Control and Systems
Engineering, University of The
Basque Country (UPV), 48013
Bilbao, Spain

3. Joint Research Lab on
Offshore Renewable Energy (JRL-
ORE), 48013 Bilbao, Spain

Deadline for manuscript
submissions:

closed (25 February 2022)



mdpi.com/si/55634

Message from the Guest Editor

Dear Colleagues,

This Special Issue of *Energies* is dedicated to ‘Innovation in Grid Connection and Control of Offshore Renewable Energy Systems’ (fixed and floating offshore wind, wave and tidal). Recent research in offshore wind has demonstrated that classical onshore control strategies are not suitable for floating offshore wind turbines, and, therefore, papers exploring new alternatives are encouraged.

Topics of interest for publication include, but are not limited to the following:

- Wave energy conversion
- Tidal energy conversion
- Fixed and floating offshore wind energy conversion
- Multi-energy platform concepts and control
- Electric power generation, conversion, storage and transmission
- Modeling and simulation of offshore renewable generation
- Integration of offshore renewable energy into the power system
- Development of digital models of an offshore renewable energy facility and components
- Control strategies of offshore renewable energy devices
- Remaining life extension

Dr. Eider Robles Sestafe
Guest Editor

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)