

Conference Title: 6th European Conference on Renewable Energy Systems –

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Proceedings type: It is not indexed. It is not open source. Delivered electronically to authors. Includes only very short forms of papers and abstracts.

Conference Location: Istanbul

Estimated Participants: 300 (80% international)

Conference Dates: 25-27 June 2018

Estimated Special Issue Paper Submission Date: 1 September 2018

Estimated Special Issue Publication Date (after journal peer review): 15 February 2019

Proposed Guest Editors: Prof. Dr. Erol KURT (Gazi University, Turkey,
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Paper Amount: 20 Paper

Special Issue Title: Power Electronics in Renewable Energy Systems

Special Issue Proposal: Renewable energy is a key and hot topic for especially developing and developed countries worldwide. It mostly covers the photovoltaic solar energy and wind energy systems with regional varieties from equator to poles. Independent from which kind of renewable energy system is used, the main issue has been the creation of efficient power systems, which play vital role to convert the raw electrical power to a stable, easy-maintained and well-functional consumer desired energy. At that point, power electronic systems such as converters, batteries, maximal power point trackers and grid connections get interest in many industrial applications. In the present special issue, advanced research studies on above mentioned power systems will be handled in theoretical or experimental basis.

- Dc-dc converters and dc-ac inverters
- Maximal power point trackers
- Grid interface of renewable energy systems
- Battery and grid connection issues.
- High efficient converter topologies
- Grid interconnection of the renewable energy systems