



Global Power, Energy and Communication Conference
Cappadocia/TURKEY
June 12-15, 2019

Special Session on **Power Electronics in Renewable Energy Systems**

Renewable energy systems have become increasingly significant in the past decade due to oil price fluctuations. Renewable energy system consists of solar and wind energy sources used together to provide increased system efficiency as well as greater balance in energy supply. A renewable system plant has well operating into the megawatt range. Recently, solar energy has become extremely important in electricity generation methods in many countries in the world due to rapidly falling costs of solar photovoltaic -generated electricity. Wind energy has the least-cost option for new power generating capacity in an increasing number of locations. Electricity generated from renewable energy sources continued to emerge in new markets in the world. 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.

Topics of interest include, but are not limited to:

- Power control methods and algorithms
- High-Voltage DC (HVDC) systems
- Electrical Machines and Generators
- Power factor correction (PFC) and PFC converters
- Wind energy conversion and converters
- Flexible AC Transmission System (FACTS)
- Active and reactive power flow control
- DC-DC converter topologies
- Novel Inverter Topologies
- Power quality analysis
- Fault analysis in grid system
- Intelligent control methods of grid-connected converters and inverters

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Deadlines of the special session:

Full paper submission (maximum 6 pages):	February 1, 2019
Notification of acceptance:	April 15, 2019
Final submissions due:	May 1, 2019

All the instructions for paper submission are included at the conference website.

<http://www.gpecom.org/index.php/guidelines/>