



The 28th IEEE International Symposium on Industrial Electronics

12 -14 June 2019, Vancouver, Canada



The 28th IEEE International Symposium on Industrial Electronics (IEEE-ISIE'19)

June 12-14, 2019
Vancouver, Canada

Special Session on

Advancement in DC-DC Power Electronics Converter for Renewable Energy Applications

Rapid depletion of fossil fuels along with environmental pollution problems has led to a great interest in investigating the power generation from alternative clean energy resources. Renewable energy sources including photovoltaic system, wind, hydro, geothermal, marine and biomass energies are becoming increasingly important in DG systems. Due to clean energy sources, the DC microgrid is gaining attraction due to the ease with renewable energy sources (RES) are being integrated. RES can directly feed the local loads connected to the DC microgrid via power converter system and excess energy, if available can be fed to the main grid. Thereby, DC microgrid enables the consumers to generate, store and manage their day-to-day energy requirement independently. The performance of DC microgrid can be efficiently governed by properly choosing the power electronic interface.

We are pleased to invite you to submit research articles to the Special Session in 7th European Conference on Renewable energy Systems (ECRES'19) in Madrid, Spain to bring together innovative academics and industry experts in a common forum.

Topics of Interest include, but are not limited to...

1. High voltage gain DC-DC power converter
2. DC-DC Multilevel Converter for PV integrated Microgrid applications.
3. Bidirectional Converter for Electric Vehicular System with Renewable Energy Sources.
4. Multistage DC-DC converter with voltage boosting techniques.
5. Control algorithms for a DC-DC converter in Renewable Energy Applications.
6. Other recent topics related to DC-DC Converter

Special Session Organizer(s):

- **Prof. P. Sanjeevikumar**, Aalborg University, Esbjerg, Denmark (san@et.aau.dk)
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Important dates:

Full Paper Submission : **Feb. 15 2019**

Notification of acceptance : **Mar. 15 2019**

Final Submission of Full Manuscript : **Apr. 15 2019**

Template and submission system is available on the conference website:

<http://www.ieee-isie2019.org/specialsessions.html>