

# 1<sup>st</sup> International Conference on Innovation in Modern Science and Technology 2019(ICIMSAT2019)



**ICIMSAT-2019**

**Venue:** Siliguri Institute of Technology, Siliguri, West Bengal, India  
**20<sup>th</sup> –21<sup>st</sup> September, 2019**

**ALL ACCEPTED** papers will be published in “Springer Book Chapter”

**Paper Submission Deadline: April, 15, 2019**

**Paper submission Link:** <https://easychair.org/conferences/?conf=icimsat2019>

**Conference Website:** <https://www.icimsat2019.com/>

## Call for Papers

Special Session Name:	Power Electronics and its Applications
Session Chair:	Nil Patel, Cismac Solution Pvt. Ltd., Gujarat.
Co-chair: (if any)	Rakesh Kumar A., Vellore Institute of Technology (VIT), Chennai. Partha Sarathi Subudhi, Vellore Institute of Technology (VIT), Chennai.
Convener: (if any)	Prof. Sanjeevikumar Padmanaban, Aalborg University, Denmark.
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## Details of proposed session

### **The objectives of the special session:**

The main objective of the special session is to provide an overview of the state-of-the-art as well as to highlight current research directions and challenges in the field of Power Electronics and its Applications.

### **Topics of Interest:**

We welcome submissions for ICIMSAT 2019's Special Session on “Power Electronics and its Applications” in the following areas and not limited to:

- Power Electronics applications in Electrical Vehicles
- Power Electronics for Renewable Energy
- Power Electronics applications in Electrical Drives
- Applications of Power Electronics in Lighting and Biomedical
- High power density power electronic system

- Power Electronics for Micro-grids
- Power Electronics with enhanced control for reliable and robust applications
- Application of Power Electronics in Smart DC and AC distribution systems

**Abstract of the Special Session:**

Power electronics technology has been proliferating its way into many applications, from renewable energy (i.e., wind power and solar power) to electrification transportation, biomedical and small appliances, such as laptop chargers. In a near future, electrical energy is provided by power electronics and is consumed and control by power electronics. This, not only intensifies the role of power electronics technology in power conversion processes, but also escalates that power systems are experience a paradigm shift, from central distribution to distributed generation. With the rapid emergence of power electronics, the importance of its applications in today's society is gradually being brought to a whole new level.