



International Conference on Electrical, Electronics & Optimizations Techniques

3rd – 5th March, 2016 | Tamil Nadu, India.

Session Title - Power Electronic Systems and Renewable Energy (PESRE)

Theme and aim of the special section: Power Electronic Systems and Renewable Energy.

21st century industrial civilization depends on electrical form of energy. Nation's living prosperity is decided by per capita consumption of electricity. Modern power electronic technology plays a vital role in residential, commercial, energy conservation, environmental pollution control, industrial automation, aerospace, defence environments and transportation. Coping with electrical form of energy stress and ensuring equitable allocation of scarce in the above mentioned fields needs innovative application and state of art technologies and approaches.

Power electronics and renewable energy address several challenges to be solved such as the integration of clean energy generation and the use of efficient high power and energy storage systems. In addition it solves the problems introduced by the integration of renewable energy systems in terms of reliability and stability of the grid. Also HVDC topology based energy distribution systems are now being installed all over the world. Hence India too needs to adopt a significant approach to ensure the improvement of living standards without endangering the environment for future generations. Therefore, how to improve living standards without endangering the environment is the main concern of this 21st century. Hence, the aim will be Identifying plans, policies and methodologies necessary for energy conservation and sustainable energy resources development and Management in the Indian Context.

Topics:

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

Theme: Power Electronics:-

- Power Semiconductor Devices
- Switch Mode Power Supplies
- Novel Converter Topologies
- Converters for special application
- Power Quality
- Power converter control
- Modelling and simulation in power electronics.

Theme: Renewable Energy:-

- Solar PV(including MPP schemes)
- Wind power
- Energy Storage Systems
- Reliability and availability

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We are organizing a special session on **“Power Electronic Systems and Renewable Energy”** in The IEEE International Conference on Electrical, Electronics & Optimizations Techniques (ICEEOT-2016). During 3rd – 5th March, 2016 in the city of Tamil Nadu, India.

Special Session Submissions can only be submitted to the Session Coordinator Mail Id -
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Publication of Conference Papers (Special Sessions)

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