



# International Conference on Electrical, Electronics & Optimizations Techniques

3<sup>rd</sup> – 5<sup>th</sup> March, 2016 | Tamil Nadu, India.

## Session Title - Protection and Real-Time Monitoring of Transmission and Distribution Systems (PRTMTDS)

### Theme and aim of the special section:

#### “Recent Advances in Protection and Real-Time Monitoring of Transmission and Distribution Systems”

This special session of ICEEOT provides an opportunity in the area of power system protection for researchers, academicians, scientists and professional engineers to present their work, publish their results, exchange ideas and network for scientific and industrial collaborations. This special session is aimed at stimulating forward-looking and transformative ideas and methods that can lead to significant advances in Power System Protection. Papers related but not limited to the broad list of topics listed below are solicited.

Topics: Contributions can range from research concepts and ideas to technical issues and industrial applications, and are encouraged from, but not limited to, the themes and topics in the following areas:

### Topics:

- Protection of conventional generation, Railway protection, Renewable energy protection, Protection against network instability and low inertia, Petrochemical industry protection, Design and application of communication and integrated systems
- Smart grids and microgrids, Embedded and point to point HVDC grids, Distribution and LV networks, Condition monitoring and situational awareness, Utility and vendor experiences (domestic and international), New algorithms and software solutions, System integrity and wide area protection, Transmission protection (including EHV and UHV)
- Effect of integration on reliability, availability and maintainability, Testing procedures and tools, Measuring transformers impact on protection
- Novel applications of protection systems, methodologies and technologies such as adaptive protection, overcurrent, distance and directional protection, single-phase tripping, pulse reclosing, etc., for improving reliability and power quality of T&D systems with high penetration of conventional and renewable DG and microgrids
- Novel applications of monitoring systems, methodologies and technologies such as Distributed Energy Resources Management Systems (DERMS), Outage Management Systems (OMS), Phasor Measurement Units, smart sensors and AMI for real-time operations and control of T&D systems with high penetration of DG and microgrids

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All papers will be published by IEEE Xplore and will be index by SCOUPS

- Impact of DER on conventional protection schemes and industry experiences on conventional and novel protection schemes applied to T&D systems with high DER concentration
- Practical methods to determine and mitigate adverse impacts from conventional and renewable DGs on the selectivity and coordination of traditional T&D system protection
- New methods, technologies and applications for protection of conventional and renewable DG and Microgrids under interconnected and islanded operation modes

### **Special Session Coordinator Details**

Coordinator Name : Prof. Vipul N. Rajput

Email : [vipulrajput16986@gmail.com](mailto:vipulrajput16986@gmail.com)

Assistant Professor, Dr. Jivraj Mehta Institute of Technology,

At & Po: Mogar-388340,

Dist: Anand, Gujarat, India

(MO): 09725851836

### **Special Session Title: Protection and Real-Time Monitoring of Transmission and Distribution Systems (PRTMTDS)**

We are organizing a special session on “**Protection and Real-Time Monitoring of Transmission and Distribution Systems**” in The IEEE International Conference on Electrical, Electronics & Optimizations Techniques (ICEEOT-2016). During 3<sup>rd</sup> – 5<sup>th</sup> March, 2016 in the city of Tamil Nadu, India.

**Special Session Submissions can only be submitted to the Session Coordinator Mail Id - [vipulrajput16986@gmail.com](mailto:vipulrajput16986@gmail.com)**

### **Publication of Conference Papers (Special Sessions)**

**All papers will be published by IEEE Xplore. As well as indexed by SCOPUS**

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