

## SPECIAL SESSION (SS09)

### Smart Grid Computing, Communications and Control

Name and affiliation of the Proposer (Chairs):

**Dr. Rajashekar P Mandi**

*Director,  
School of Electrical and Electronics Engineering,  
REVA University, Bengaluru.*

**Dr. Santoshkumar Hampannavar**

*Professor,  
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REVA University, Bengaluru.*

Name and affiliation of Co-Chair:

**Dr. Swapna Mansani**

*Assistant Professor,  
Department of Electrical Engineering,  
NIT Silchar, Assam.*

Objective of the Special Session:

This special session aims to create a platform for open communication and idea exchange on the recent technological and engineering developments in Smart Grid. This conference provides an international forum for sharing knowledge and innovation in the field of Smart Grid, Renewable Energy, Grid Automation, applications of Signal Processing in Power system and Power system as a Cyber Physical entity.

This special session is basically focused on the grid automation techniques, role of communications protocols in smart grid, penetration of distributed energy resources (DER) in power network, cyber security aspects in power system, Wireless Sensor Networks in Smart grid, Wide Area Monitoring, Protection, and Control (WAMPAC) systems as a cost-effective solution to improve grid planning, operation, maintenance, and energy trading. Phasor Measurement Units (PMUs) and its applications.

We invite students, researchers, academicians and scholars to contribute their research work to this special session. Authors should submit their original unpublished work in IEEE conference paper template.



# International Conference on Smart Technologies in Computing, Electrical and Electronics

Venue: REVA Universtiy, Bengaluru, India



***Topics of interest include (but are not limited to):***

1. Smart Grid / Microgrid / Nanogrid/ Pico Grid
2. Renewable Energy / DER integration to grid
3. Power Electronics
4. Demand Side Management / Demand Response
5. Digital Protection of Power Systems
6. Electric Vehicle (EV): ICT for EVs, Battery Management System
7. Communication Infrastructure for Smart Grid
8. Wide Area Monitoring, Protection, and Control (WAMPAC)
9. Substation Automation: PMU, IED
10. Signal Processing and Wireless Sensor Network (WSN) applications in Smart Grid
11. Deep Learning and Machine Learning in Smart Grid
12. Standard Codes for Microgrid communication
13. Power System as a Cyber Physical System
14. Cyber Security for Power system