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International Conference on



August 6 - 8, 2015

Jointly organized by

Department of Computer Science and
Engineering
&
Department of Electrical and Electronics
Engineering



श्रद्धावान् लभते ज्ञानम्

AMRITA
VISHWA VIDYAPEETHAM
UNIVERSITY

Established u/s 3 of UGC Act 1956

Amritanagar, Coimbatore, India
www.icsgt.org

Introduction

One of the most important advances today in electric power systems is the creation of 'smart grids' through the application of Information and Communication Technologies (ICT) to achieve better efficiency, reliability, economy and sustainability of power supply, as well as quality of supply and credibility of service. ICT has released unbounded opportunities in distributed generation, distribution automation, substation automation, demand response, power marketing, synchronized measurements, real-time wide-area monitoring and cloud computing, efficiently aided by wireless communication systems.

About the Conference

The aim of the conference is to provide a forum where researchers in academia and industry can present their latest findings in smart grids and discuss future directions of the field. It will provide an environment for researchers to discuss, debate and disseminate their ideas so that future activities and collaborations can be initiated. The technical program of the conference will include tutorials, invited talks, contributed paper presentations, posters, and industry exhibits. Experts in the field from India and around the globe are expected to attend the conference.

About the University

Amrita Vishwa Vidyapeetham is a multi-campus university providing exceptional quality of education that is both modern and comprehensive, with special emphasis on core human values. Undergraduate, postgraduate and doctoral programmes are offered in a number of disciplines including Engineering, Business, Medicine, Dentistry, Pharmacy, Nursing, Biotechnology, Nanotechnology, Ayurveda, Arts and Sciences, Journalism, and Social Work. With headquarters at Coimbatore, the university has campuses at Amritapuri, Bangalore, Kochi and Mysore, with a total student enrollment of over 17,000 and a faculty strength of over 1,700. In recent years, the subject of Smart Grid, including modern power systems, wireless networks and advanced communication protocols, has been the area of active research at the university.

Call for Papers

ICSGT 2015 seeks original contributions in the relevant areas in IEEE double column format not exceeding six pages for oral/poster presentation on the topics of interest not limited to the following thrust areas:

- Distributed Generation and Cogeneration
- Microgrids and Macrogrids
- Environment friendly generation technologies
- DC grid integration with AC grid
- Integration of plug-in electric vehicles and battery technology
- Substation and Distribution Automation
- Synchrophasor technology
- Energy management and storage in grid system
- Advanced metering infrastructure and smart meter technologies
- Digital grid
- Numerical relays
- Fault tolerance and disaster recovery in smart grid
- Intelligent controllers for smart grid
- Cyber security and privacy on smart grid
- Grid routers
- Interoperability in smart grid
- Communication and networks for smart grid
- Management and end user software for smart grid
- Optimization of energy efficient protocols
- Grid architecture
- Firmware and middleware for smart grid
- Sensors for smart grid
- Mobility issues in smart grid
- Wireless networking for smart grid
- Smart grid standards, test beds and field trials
- Smart grid modeling and applications

Conference Events

1. Keynote address
2. Paper Presentation
3. Tutorials
5. Exhibitions
6. Project displays
7. Research symposium

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Amrita Vishwa Vidyapeetham, Coimbatore

Dr.V.Vanitha
Amrita Vishwa Vidyapeetham, Coimbatore

Important Dates

Full paper submission : **March 31st, 2015**

Notification of acceptance : **May 31st, 2015**

Final Camera Ready paper Submission and Registration:
June 30th, 2015

Registration fee (Excluding service tax)

UG and PG students : INR 4000/-, USD 200

Research scholars and Faculty members : INR 5000/-, USD 300

Industry delegates : INR 6000/-, USD 400

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