

One Day Workshop on Smart Grid: Applications and Cyber Security

Date: March 17, 2017

Venue: C-DAC Knowledge Park, Bengaluru-560038

INTRODUCTION

Digital India is a well-designed digital infrastructure ensuring high connectivity between systems which can make smart grid systems to convert problems into retrievable information system digitally to save time. Smart Grid is a Power delivery infrastructure integrated with communication and information technologies which utilizes digital communications and control systems to monitor and control power flows.

The realization of the smart grid will require collaborative communication between the various applications that running at generation, transmission and distribution level of the power grid. The Power grid can be seen as logical information systems where information travels from source to destination nodes over various communication links across devices that have different formats and communication protocols.

To facilitate seamless communication between these nodes or applications, a set of Interoperability Standards are required to adopt the machine to machine communication to make self healing smart grids.

Smart Grids comprising of numerous applications, communication and intelligent electrical elements which have a greater exposure to cyber-attacks that can potentially disrupt the power supply and may result in the loss of real-time monitoring of critical smart grid infrastructures and power system disasters

TOPICS INCLUDE

- ♦ Self-healing Grid
- ♦ M2M Communications in Power Sector
- ♦ Smart Grid Standards & Protocols
- ♦ Role of Smart Grids in Distribution
- ♦ Smart grid cyber security
- ♦ Data Science for Smart Grid
- ♦ Grid of Things(GoT)
- ♦ Research Trends in Wide Area Monitoring Systems (WAMS)

TARGET AUDIENCE

The program is designed for Practitioner, Academics and Researchers.

REGISTRATION FEES:

Industry	₹ 1500
IEEE Members	₹ 1200
Researcher	₹ 1000

REGISTRATION DETAILS:

- ♦ ONLINE REGISTRATION
<https://tinyurl.com/cdacsmtgrid>
- ♦ Registration fee should be sent through **DD in favor of 'C-DAC, Bengaluru', payable at Bengaluru**
- ♦ DD should reach by **March 6, 2017** to the following address:

*Event Coordinator, Smart Grid Workshop
C-DAC Knowledge Park, No.1, Old Madras Road,
Byappanahalli, Bengaluru - 560038, India*
- ♦ Participants are requested to make their own arrangements for transportation and accommodation.
- ♦ Venue : C-DAC , KP , Byappanahalli Bengaluru
- ♦ Date : March 17, 2017.

WORKSHOP CO-ORDINATOR:

Katta Jagan Mohan,
Workshop Coordinator
C-DAC, Bengaluru

FOR FURTHER INFORMATION CONTACT:

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