

Microgrid – Current Status and Future



ENGINEERS
AUSTRALIA

Prof Arindam Ghosh, Ph.D, FIEEE - Research Academic Professor, Curtin University
Hosted by: Joint Electrical and Electronics Papers (JEEP)

DATE

Wednesday 13 August 2014

TIME

5.30 pm for a 5.45 pm start

*(Light refreshments will be
Served after the event)*

VENUE

Auditorium
Engineers Australia
712 Murray Street
West Perth

TICKETS (incl. GST)

EA, ITEE, IET and IEEE
Members: Free
Non-members: \$30.00

REGISTRATIONS CLOSE

Essential by COB Tuesday 12
August 2014

[REGISTER ONLINE](#)

This event is eligible for
1.5 CPD hours

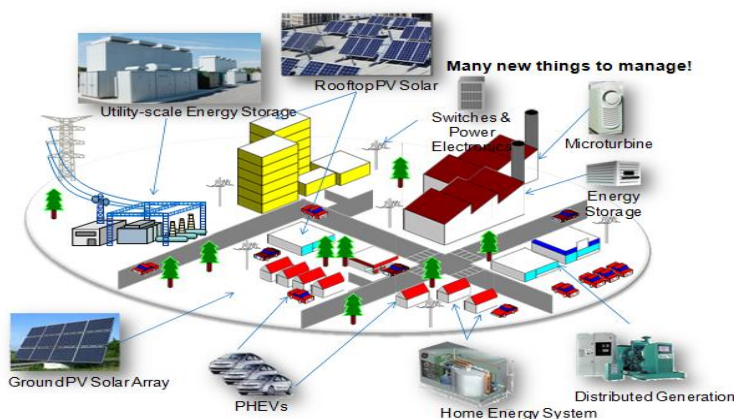


Representing the ITEE Panel



A microgrid can be considered as a small grid based on distributed generators (DGs), which can operate either in grid connected or islanded (standalone/autonomous) mode. The available power of all DG units should meet the total load demand for autonomous operation; otherwise load shedding need to be implemented. The frequency and voltage in an autonomous microgrid should be maintained within the predefined limits.

Microgrids are expected to be the backbone of future power distribution grids. This talk will discuss the current status of microgrids and its future. Also how control and power management strategies required for a stable operation of an autonomous microgrid or a cluster of microgrids will be highlighted.



About the Speaker



Arindam Ghosh obtained his Ph.D. from University of Calgary, Canada in 1983. He joined IIT Kanpur in 1985 as an Assistant Professor and became a Professor in 1991. From May 2006 to November 2013, he was with Queensland University of Technology, Brisbane. Current he is a Research Academic Professor at Curtin University, Perth.

His current research focus is Renewable Energy and Distributed Generation, Smart Green Grids and Power Electronics Applications to Power Systems. He is a Fellow of IEEE, Indian National Academy of Engineering and Institution of Engineers (India).