

Symposium on "Future Grids/Smart Grids and Networks"

Endeavour Energy Power Quality and Reliability Centre, University of Wollongong

There has been a rapid increase in the interest on future grid/smart grid concepts, projects and standardisation activities in many parts of the world. During this evolutionary stage of such activities Universities can play a significant role in providing diverse expertise towards successful development. The aim of this symposium is to gather the industry participants who are already engaged in these programs to explain their activities highlighting the success stories, challenges, barriers, problems encountered and possible research areas which the Universities can engage in.

Venue: IC Central, University of Wollongong Innovation Campus, Squires Way North Wollongong

Date: Monday 17th October 2011

Registration: Registration prior to 14th October 2011 is necessary. **The number of seats will be limited.**

Morning tea, afternoon tea and light lunch provided.

To register contact: Esperanza Gonzalez, 02 4221 3580, email: eriley@uow.edu.au

Agenda:

9.00 am.	Registration
9.15 am	Welcome and Introduction Philip Ogunbona, Dean of the Faculty of Informatics, University of Wollongong
9.15 am -9.45 am	Smart Grid Technologies and Developments in Europe and USA Paulo Ribeiro, Technical University of Eindhoven, Netherlands Erskine Fellow, University of Canterbury, New Zealand,
9.45 am -10.45 am	Smart Grids of the Future: The Need for a Design Framework Paulo Ribeiro, Technical University of Eindhoven, Netherlands Erskine Fellow, University of Canterbury, New Zealand,
10.45 am -11.15 am	Tea/Coffee break
11.15 am -11.45 am	Smart Grid, Smart Cities Project - Grid Applications Stream Daniel Burke, Ausgrid
11.45 am -12.15 am	Smart Grid Initiatives Jason Lu, Endeavour Energy
12.15 pm-1.15pm	Lunch
1.15pm- 1.45 pm	Journey into Intelligent Network Development Trevor Whitehouse, Essential Energy
1.45pm- 2.15 pm	The Smart Grid and the LV Network Grahame Foulger, Smart Grid Partners
2.15 pm - 2.45pm	Possibilities for Real Time (almost) Data Processing and Reporting in Smart Grid Environments Sean Elphick, University of Wollongong
2.45 pm-3.15 pm	Tea/Coffee break
3.15 pm – 4.15 pm	Plenary Session – Avenues for Growth and Activities at the University of Wollongong on Future/Smart Grids
4.15 pm	Close

Speakers

Dr. Paulo F Ribeiro received his PhD in Electrical Engineering from the University of Manchester (UMIST), England in 1985 and is an IEEE Fellow. He has recently joined the Technical University of Eindhoven in the Netherlands where he is responsible for research and development related to Intelligent Networks and Smart Grids. He has worked with transmission planning, power electronics, power quality and has taught electrical engineering in Brazil and the USA.



Jason Lu holds an honours degree in Electrical Engineering from University of Western Sydney and a Masters of Information Technology from Charles Sturt University. He was appointed Distribution Automation Strategy Manager at Endeavour Energy in December 2010. He is the technical lead for the grid-side applications in Endeavour Energy's Smart Grid Program. Prior to this he was the Reliability Planning Manager at Integral Energy for a period of four years. He has experience in network planning at both Energy Australia and Integral Energy. He also has 5 years experience in Network Pricing, including 3 years in the role of Network Pricing & Billing manager for Integral Energy.



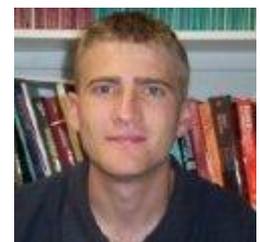
Trevor Whitehouse has been working in the electricity utility business for the past 39 years in the areas of network engineering within the transmission and distribution sectors, covering protection, planning and small generation support. His current role with Essential Energy is Group Manager Intelligent Network Strategies. His work involves establishment of Intelligent Communities where the value of innovation and new concepts as applied to the network and customers can be assessed in a real life environment.



Grahame Foulger is with SmartGrid Partners (a solutions integrator providing strategic advisory and venture capability in the emerging active distribution utility network) and has worked in distribution and retail in the electricity and energy sector for more than 35 years. He combines senior executive operational experience with a strong list of business development achievements and is recognised for his demand management and energy conservation capability in distribution utilities. During his career at Ergon Energy Grahame led the Townsville Solar City team to success. He also established Ergon Energy's corporate innovation program and wholesale telecommunication business.



Sean Elphick is a Professional Officer with the Endeavour Energy Power Quality and Reliability Centre of the School of Electrical, Computer and Telecommunications Engineering. He is active in the areas of power quality monitoring, standards, reporting and data analysis along with network integration of renewable energy systems.



Daniel Burke (BSc Elec Hons 1) has been with Ausgrid/Energy Australia since 2002 spending most of that time as a power system design engineer. Prior to that he has been involved with factory automation and embedded system design. In 2010 Daniel joined the Smart Grid group (Engineering and Applied design). Currently, he is involved with fault detection, isolation and restoration and active Volt Var Control activities.

