



WORKSHOP

Smart Grids and Power Supply For Remote Operation

School of Electrical, Electronic and Computer Engineering

The University of Western Australia

Billings Room (3rd Floor)

6 November 2013

INTRODUCTION

The theme of this 3rd Workshop on smart grids is 'Smart Grids and Power Supply for Remote Operation'. Organised by the School of Electrical, Electronic and Computer Engineering, The University of Western Australia, the workshop will be held in Billings Room on Wednesday, 6 November 2013. The aims of the workshop are to disseminate ideas and techniques for the development of modern electricity supply systems and to provide a forum for discussions and experience sharing with overseas experts. The previous two workshops, held on 8 August and 5 November 2012, were well participated by many participants from industry and academia.

This workshop is supported by the Faculty of Engineering, Computing and Mathematics, UWA, Western Power Corporation, Horizon Energy, State Grid Corporation of China, University of Sydney, IEEE Section WA, IEEE Power and Energy Engineering and Power Electronics Chapter WA and IEEE Systems, Man, and Cybernetics Society Technical Committee on Intelligent Power and Energy Systems. Participation in the workshop is free. Interested engineers, academics, research students and IEEE members are welcome.

REGISTRATION

Registration: by Wednesday 30th October 2013 (first come, first serve until vacancy filled)

Email: admin-eece@uwa.edu.au

Enquiries: Administration Office, School of Electrical, Electronic and Computer Engineering

PH: 08 6488 3106 Email: admin-eece@uwa.edu.au

PRELIMINARY PROGRAMME (subject to changes)

Morning Sessions

9:30 am - 9:40 am: Welcome

Professor Brett Nener
Head of School of Electrical, Electronic and Computer Engineering,
Deputy Dean (International), Faculty of Engineering, Computer and Mathematics
UWA

9:40 am - 9:45 am: Introduction to Workshop

Winthrop Professor Kit Po Wong
School of Electrical, Electronic and Computer Engineering
University of Western Australia

9:45 am - 10:30 am: Hybrid centralised-decentralised commitment and dispatch under the Western Australian Electricity Market

Dr Duy Nguyen
Principal Engineer
Planning & Market Operations
Western Power Corporation

10:30 am - 11:15 am: Intelligent Systems for Power System Security Assessment

Professor Z.Y. Dong
The University of Sydney and
Immediate Ausgrid Chair Professor
Director, Centre for Intelligent Electricity Networks
Newcastle University
NSW

11:15 am - 11:30 am: Networking Break

11:30 am - 12:15 pm: Modeling and Analysis of Cyber Physical System Framework for Electric Vehicle Control

Professor Fushuan WEN
Director of the Institute of Power Economics and Information
Director of Zhejiang University-Insigma Joint Research Center for Smart Grids
Zhejiang University
China

12:15 pm - 12:30 pm: Questions and Answers

12:30 pm - 2:00 pm: Interval

Afternoon Sessions

2:00 pm - 2:45 pm: Western Power - Enabling economic growth with energy infrastructure

Mr Douglas Thomson
Network Planning Manager
Western Power Corporation

Dr Grant Coble-Neal
Network Forecasting Manager
Western Power Corporation

2:45 pm - 3:30 pm: Hosting Capacity in Horizon Power Systems

Mr David Stephens
System Simulation & Technology Manager
Horizon Power

3:30 pm - 3:45 pm: Networking Break

3:45 pm - 4:30 pm: Reliability of Electric Power in Macro Energy Perspective

Professor Yusheng XUE
Academician, Chinese Academy of Engineering
Honorary President, State Grid Electric Power Research Institute, Nanjing
China

4:30 pm - 4:45 pm: Questions and Answers

Close