

UK Magnetics Society

Grove Business Centre Grove Technology Park Wantage Oxfordshire OX12 9FA UK
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www.ukmagsoc.org

one day seminar

Distributed Generation: Challenges and Innovations

Wednesday, 24 March 2010

at

AREVA T & D (UK) Limited, Stafford

The consistent and reliable flow of power from a national to a local level within the UK has historically been an accepted norm. However, we are slowly moving from the traditional arrangement of a simple power flow from a small number of solid centralised power generations towards a system with an increasing reliance on multiple smaller generation sites; sites whose prime movers are typically driven by more transient power sources. This trend means that inevitably, the demands on our existing distribution infrastructure will become more and more exacting and complex.

This seminar sets out to highlight our present position as well as the challenges we face from our current move towards multiple stand alone generation systems. The seminar will explore the paths and innovation required from the next generation of Transmission Systems, Generators, Transformers, Control, Monitoring and Conversion Equipment to meet these challenges.

PROGRAMME

Chairman: Dr Jonathan Sturgess, AREVA T & D UK Limited
from 0900 REGISTRATION/COFFEE

Chairman: Dr Chris Maddison, Cummins Generator Technologies

1000 **WELCOME/INTRODUCTION**

1015 ***Distributed Generation: Overview of Current Position and Future Trends***
Dr Richard Cooke, AREVA T & D UK Limited

1045 ***Smart Grids: What are They?***
Dr Patrick Favre-Perrod, AREVA T & D UK Limited

1115 ***DC Transmission for Distributed Generation: From Low to High Voltages***
Roger Critchley, AREVA T & D UK Limited

1145 ***Technology and Application Trends for Distributed and Embedded Generation***
Martin Page, Freepower Limited

1215 LUNCH/POSTER SESSION

1345 ***Resonant DC/DC converters as High-Power DC Circuit Breakers and Regulating DC transformers***
Dr Dragan Jovcic, University of Aberdeen

1415 ***Impact of Low Voltage Ride Through and the Need for CyberGen***
Dr Neil Brown, Cummins Generator Technologies

1445 ***Universal Source Inverter for Multiple Source Generation***
Dr Nigel Jakeman, GenDrive Limited

1515 ***Title TBA***
Presenter TBA

1545 TEA/COFFEE - END OF SEMINAR



PLEASE COMPLETE AND RETURN TO:

Jane Ward, UK Magnetics Society, Grove Business Centre, Grove Technology Park, Wantage, Oxon OX12 9FA
tel: +44 (0)1235 770652 fax: +44 (0)1235 772295 email: jward@ukmagsoc.co.uk www.ukmagsoc.org

I wish to attend the UK Magnetics Society one-day seminar ***Distributed Generation: Challenges and Innovations***, to be held on Wednesday, 23 March 2010 at AREVA T & D (UK) Limited, Stafford and enclose remittance to cover technical sessions, seminar documentation, refreshments and lunch (cheques made payable to the **UK Magnetics Society** and drawn on a UK bank).

Payment may also be made by bank transfer: UK Magnetics Society, Barclays Bank plc, 17 Market Place, Wantage, Oxon OX12 8AG, UK, Acct No 50893293, Sort Code No: 20-90-91, IBAN:GB98 BARC 2090 9150 8932 93, SWIFTBIC: BARCGB22. ***Please add £10 to cover bank charges if paying by bank transfer from overseas.***

If you wish to be invoiced, please give Purchase Order number, if appropriate. PO number.....

If you wish to pay by VISA/Mastercard/Delta etc, please complete all sections of the form below.

	FEE*	VAT	TOTAL
<input type="checkbox"/> UKMAG Members	£ 79.00	£13.82	£ 92.82
<input type="checkbox"/> As above [student]	£ 23.50	£ 4.11	£ 27.61
<input type="checkbox"/> Non-members	£168.00	£29.40	£197.40
<input type="checkbox"/> Non-member students	£ 39.00	£ 6.82	£ 45.82
<input type="checkbox"/> I would like a poster session			

* 3 delegates get 50% off the third person (cheapest rate applies). For bookings of more than 3 people, please contact Jane Ward

PLEASE NOTE REFUNDS CANNOT BE MADE FOR CANCELLATIONS RECEIVED 72 HOURS PRIOR TO THE SEMINAR

PLEASE REGISTER BY 12 MARCH IF POSSIBLE

Surname.....		First name.....	
Title (Dr/Mr/Mrsetc)		Organisation.....	
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The UK Magnetics Society accepts no responsibility or liability in any way whatsoever for any statements made or opinions expressed during this event