

# UK Magnetics Society

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

one day seminar

## ***Electromagnetics in Power Systems Applications***

**Wednesday, 18 June 2008**

at

**Areva T & D Technology Centre**

Co-sponsored by Areva T & D Technology Centre

As the demands on our power systems become more exacting, there is an increasing need for the electromagnetic equipment associated with power generation, such as alternators, breakers, transformers, converters and arresters; to deliver better efficiency, to react faster and smarter when providing protection, to withstand increasing levels of fault tolerance and all the while still provide a good quality, reliable supply.

This seminar programme is intended to explore the cutting edge of Power System Application technology today. It will provide an insight into the issues driving research in a Power System environment that is moving further away from the traditional stability of an intransigent grid and becoming ever more diverse and fundamentally weaker.

## PROGRAMME

Chairman: Dr Chris Maddison, Cummins Generator Technologies

from 0900 REGISTRATION/COFFEE

1000 WELCOME/INTRODUCTION TO AREVA T & D  
Technology Centre

1015 ***Supplying a Weak Grid - the Challenges  
faced by the Power Generation Industry***  
Robin Jackson, Cummins Industrial Power  
Products

1045 ***Lightning Arresters and Protection***  
Chris Ebdon NaRec

1115 ***"STEAM" - A Smart Electrical Machine for  
Integrated Engine Applications***  
Dr Neil Brown, Cummins Generator Technolo-  
gies

1145 ***Superconducting Fault Current Limiter***  
Prof Sandy Smith, University of Manchester

1215 LUNCH/POSTERS

Chairman: Dr Glynn Atkinson, School of Elec, Elec and Computer  
Engineering, University of Newcastle upon Tyne

1345 ***Modelling Electric Power System Compo-  
nents using Finite Elements***  
Dr Alex Michaelides, Vector Fields

1415 ***Advanced Electromagnetic Analysis of  
Power Transformers and Inductors***  
Dr Jonathan Sturgess, Areva T & D Technology  
Centre

1445 TEA/COFFEE

1515 ***Design Challenges on Magnetic Wound  
Component for Traction Applications***  
Dr Paul Ling, Romarsh Limited

1545 ***The Impact of HTS on Industrial Applications***  
Ross Hall, ConverTeam

1615 END



**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 ***Electromagnetics in Power System Applications***, co-sponsored by AREVA T & D Technology Centre, to be held on Wednesday, 18 June 2008, at AREVA T & D Technology Centre 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	<b>£ 92.82</b>
<input type="checkbox"/> As above [student]	£ 23.50	£ 4.11	<b>£ 27.61</b>
<input type="checkbox"/> Non-members	£168.00	£29.40	<b>£197.40</b>
<input type="checkbox"/> Non-member students	£ 39.00	£ 6.82	<b>£ 45.82</b>
<input type="checkbox"/> I wish to make a poster presentation			

**PLEASE REGISTER BY 9 JUNE IF POSSIBLE**

Surname.....		First name.....	
Title (Dr/Mr/Mrsetc) .....		Organisation.....	
Address.....			
.....			
.....			
Tel.....		Fax.....	
Email.....		Web.....	

**For payment by VISA/Mastercard/Delta/Electron/JCB/Solo/Maestro/Switch/Amex, please complete in BLOCK CAPITALS and return to:**

**UK Magnetics Society**  
**Grove Business Centre**  
**Grove Technology Park**  
**Wantage, Oxon OX12 9FA**  
**tel: +44 (0)1235 770652, fax: +44 (0)1235772295**  
**email: jward@ukmagsoc.co.uk**

Card Number:	<input type="text"/>
Start Date:	<input type="text"/>
Expiry Date:	<input type="text"/>
Name of Cardholder:	<input type="text"/>
Mailing address of Cardholder:	<input type="text"/>
Signature of Cardholder:	<input type="text"/>

The UK Magnetics Society accepts no responsibility or liability in any way whatsoever for any statements made or opinions expressed during this event