

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

Electromagnetic Field Protection

Wednesday, 28 April 2010

at

Four Pillars Hotel, Abingdon

(Hosted by Cobham Technical Services - Lightning, Testing and Consultancy)



All electrical machines, devices and systems have electric and/or magnetic fields yet, for many, considerable effort must be expended in controlling and containing these fields - both these for which they were designed and those emanating from their external environment. One part of the seminar will be devoted to means of protection from abnormal and unexpected electric fields. In this part of the seminar, the topics of EMC/EMI/EMP, shielding, lightning protection, materials and stimulation will be addressed. A second aspect of the day will be earthing design and shielding from high "dc" magnetic fields. The meeting will also have the opportunity of touring the facilities at Cobham Technical Services - Lightning, Testing and Consultancy.

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 *Protection of Aircraft from the Induced Effects of Lightning*

Alex Meakins, Cobham Technical Services -
Lightning, Testing and Consultancy

1045 *Magnetic Shielding for MRI Suites*

Ian King, European-EMC Products Ltd

1115 *Earthing Systems - DC to Nasty Burning Smell*

Iain Dewar, AREVA T & D, High Voltage Systems

1145 *Hazards of Electromagnetic Radiation to Fuel (HERF)*

Erik Stevens, Cobham Technical Services -
Lightning, Testing and Consultancy

1215 LUNCH

1345 *Simulation of Lightning Strike and Electrical Breakdown Protection Systems using Finite Elements*

Dr Chris Riley, Cobham Technical Services - Vector
Fields Software

1415 *Applications of Whole-Vehicle Models*

Dr Alastair Ruddle, MIRA Limited

1445 *Characterisation and Modelling of Materials for Electromagnetic Shielding*

Professor Christos Christopoulos, University of
Nottingham

1515 Tour of Cobham Technical Services - Lightning,
Testing and Consultancy

1615 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 **Electromagnetic Field Protection**, to be held on Wednesday, 28 April 2010 at Four Pillars Hotel, Abingdon 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 19 APRIL 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"/> |
| Security Code: | <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