

UK Magnetics Society

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one day seminar

Electromagnetic Compatibility

Wednesday, 12 March 2008

at

TRW Conekt, Solihull

Co-sponsored by TRW Conekt

EMC (Electromagnetic Compatibility) is defined as: the ability of an equipment or system to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment (IEC definition).

EMC has become an increasingly important aspect of electrical, electronic and electromagnetic engineering in recent times, affecting a broad range of industries. The development of electrical systems in the automotive industry; the continued evolution of wireless communication devices; the advances in sensitive medical technology; and the proliferation of domestic consumer electronics are all examples of areas where EMC issues have risen to prominence.

This UK Magnetics Society seminar aims to bring together EMC specialists from a broad variety of backgrounds ranging from design and simulation through to testing and instrumentation. This will allow the "bigger picture" to be explored and links forged. Engineers not necessarily directly involved with EMC, but who may encounter EMC issues in the course of their work will be able to use this seminar to understand the problems EMC can present and where to find resources to assist in finding solutions.

There will be an opportunity during the day for delegates to take a tour of the TRW Conekt Testing Facilities.

PROGRAMME

Chairman: Dr John Cullen, Rolls-Royce plc

from 0900 REGISTRATION/COFFEE

1000 WELCOME/INTRODUCTION

1010 ***EM Phenomena - Where they come from, and how they can interfere***

Keith Armstrong, Cherry Clough Consultants

1040 ***Modelling EMC Problems Across the Frequency Spectrum***

Dr Alex Michaelides, Vector Fields Limited

1110 ***TLM Time-Domain Modelling of Complex Materials and Wires for EMC Applications***

Dr Dave Thomas, School of Electrical & Electronic Engineering, University of Nottingham

1140 ***EMC Testing - Why and How?***

Dr Luke Turnbull, TRW Conekt

1210 LUNCH/POSTERS

Chairman: Dr Alex Michaelides, Vector Fields Limited

1345 ***Design and Implementation of an Anechoic Chamber EMC Test Facility,***

Garry Perren, Rainford EMC Systems

1415 ***Calibration of Exposure Meters for EMC Compliance,***

Stuart Harmon, National Physical Laboratory

1445 ***Electromagnetic Compatibility in the Automotive Industry,***

Ayhan Gunsaya, Ford Motor Company

1515 ***Introduction to EMC in Railways,***

David Faulkner, Atkins Rail Limited

1545 TEA/END

conekt
powered by TRW

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 Compatibility**, co-sponsored by TRW Conket, to be held on Wednesday, 12 March 2008, at TRW Conket, Solihull, 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.**

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<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 wish to make a poster presentation			

PLEASE REGISTER BY 3 March 2008 IF POSSIBLE

Surname.....		First name.....	
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