

UK Magnetics Society

one day seminar

Magnetics in Non-Destructive Testing

Co-sponsored by the British Institute of Non-Destructive Testing (BINDT)

Tuesday, 12 April 2005

at the Business Design Centre, London

Magnetic techniques have been used for many years in the non-destructive testing of materials and structures. Two examples are the magnetic particle inspection of train axles, and the testing of steel pipes using magnetic flux leakage. Recent developments in magnetic materials, sensor technology and portable computing power offer many new possibilities. This seminar, jointly organised by the UK Magnetics Society and the British Institute of Non Destructive Testing (BINDT), brings together NDT end-users and providers, and magnetics technologists working in the area, to assess the state-of-the-art and potential future developments in non-destructive testing using magnetics. Delegates are invited to visit the Materials Testing 2005 Exhibition which will take place at the Business Design Centre from 12-14 April 2005.

PROGRAMME

from 0930 REGISTRATION/COFFEE

Chairman: Dr Geraint Jones, Dept of Elec & Elec Engineering, University of Bristol

- 1030 WELCOME/INTRODUCTION
- 1035 **The Influence of BSEN9934 on Magnetic Particle Inspection (MPI) in the UK**, David Lovejoy, Minton, Treharne & Davies
- 1105 **Magnetic Flux Leakage Old and New**, Dr John Burd, JB Consulting Ltd
- 1135 **Limitations of the Circumferential MFL Technique in the NDE of Pipelines**, Dr Richard Ireland, Qinetiq Farnborough
- 1205 **Magnetic FEM: Benefits, Pitfalls and Applications**, Dr Faris Al-naemi, Wolfson Centre for Magnetics Technology, Cardiff University
- 1235 LUNCH
- MATERIALS TESTING 2005 EXHIBITION

Chairman: Dr Jeremy Hall, Wolfson Centre for Magnetics Technology, Cardiff University

- 1400 **Corrosion Detection in Ferritic Steels Using Magnetic Flux Leakage**, John Drury, Silverwing (UK) Limited
- 1430 **Eddy Current Sensors in NDT**, Dr Werner Ricken, University of Kassel, Germany
- 1500 TEA
- 1515 **Magnetic Measurements of Stress in Rail**, Dr David Buttle, AEA Technology plc
- 1545 **Remote Detection of Phase Transformation in Steel Using Inductance Spectroscopy**, Dr Mayorkinos Papaelias, TWI Technology Centre (Wales)
- 1615 **Evaluation of Magnetic Properties for Process Control in Production of Hard and Soft Magnetic Components**, Friedrich Haug, Institut Dr Foerster GmbH, Germany
- 1645 END
- TEA

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

PLEASE COMPLETE AND RETURN TO:
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I wish to attend The UK Magnetics Society one day seminar, co-sponsored by BINDT, *Magnetics in Non-Destructive Testing*, Tuesday, 12 April 2005, at the Business Design Centre, London, 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: The UK Magnetics Society, Barclays Bank plc 17 Market Place, Wantage, Oxon OX12 8AG, UK, Account No 50893293, Sort Code No: 20-90-91; *please add on £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 overleaf.

	Fee	VAT	TOTAL
<input type="checkbox"/> UKMAG/BINDT member	£67.37	£11.79	£79.16
<input type="checkbox"/> UKMAG student member	£32.89	£5.75	£38.64
<input type="checkbox"/> Non-member	£142.16	£24.88	£167.04
<input type="checkbox"/> Non-member student	£54.10	£9.47	£63.57

Please register by 1 April if possible

Surname.....

First name.....Title (Dr/Mr/Mrs etc).....

Organisation.....

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Tel.....

Fax.....

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Web.....



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