

Novel Electromagnetic Machines, Actuators and Sensors **Wednesday, 9 June 2004 at QinetiQ Farnborough**

There is a constant demand for improved electromagnetic devices in nearly every field of human endeavour. In order to meet these demands, novel devices are constantly being developed to exploit new topologies and materials. These novel devices are now featuring in the next generation of electromagnetic motors, generators, actuators and sensors. This seminar will feature a selection of recently-developed devices chosen from a wide range of fields. The common thread between them is their unusual topology and use of materials required to solve a particular problem or meet a particular need.

PROGRAMME

from 0915 REGISTRATION/COFFEE

Chairman: Dr Andrew Loveridge, QinetiQ Farnborough

1010 CHAIRMAN'S INTRODUCTION

1015 ***Hybrid Drive for Tracked Land Vehicles***, Robert Thompson, QinetiQ Farnborough

1045 ***A New Magnetoelastic Material for Use in Sensors and Actuators***, Prof David Jiles, Ames Laboratory & Department of Materials Science & Engineering, Iowa State University, USA

1115 ***Multi-Stable Permanent Magnet Actuators***, Dr Stuart Calverley, University of Sheffield, Dept of Elec & Elec Engineering

1145 ***A Novel Direct-Drive Wind Turbine Generator***, Prof Ed Spooner, Evolving Generation Ltd

1215 ***TBA***, Dr Jon Gore, QinetiQ Farnborough

1245 LUNCH
TOUR OF LABORATORIES

Chairman: Prof Ed Spooner, Evolving Generation Ltd

1415 ***Development of Magnetostrictive Actuators for Whispering Windows***, Dr Kamlesh Prajapati, FeONIC plc

1445 ***Novel Automotive Applications of Magneto-resistive Sensors***, Dr Franz Jost, SENSITEC GmbH, Germany

1515 ***A Novel Hybrid Permanent Magnet Machine***, Dr Neil Brown, Newage AVK-SEG

1545 ***Developing Moving Coil Exciters for Flat-Panel Speakers***, Mr Eddie Moor, Vector Fields Ltd

1615 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 *Novel Electromagnetic Machines, Actuators and Sensors*, Wednesday, 9 June 2004, at QinetiQ Farnborough, 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.*

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The U.K. **Magnetics**
Society 

***Novel
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at

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