

UK Magnetics Society

one day seminar

Renewable Energy and Magnetics

Wednesday, 12 October 2005

at Newage AVK-SEG, Stamford, Lincs

The drive towards ever-increasing levels of energy efficiency and a growing requirement for power generation from renewable sources, is leading to higher levels of engineering design innovation.

Increased power density derived from permanent magnets coupled with advances in power electronics have led to a rise in the use of new magnetic technologies in renewable applications in fields as diverse as hybrid vehicle technology and advanced control equipment.

This increased use of magnetic materials is not without its drawbacks, with the supply and disposal of these materials requiring their own engineering solutions.

PROGRAMME

from 1000 REGISTRATION/COFFEE

Chairman: Dr Chris Maddison, Newage AVK-SEG

1030 WELCOME/INTRODUCTION

1035 **Renewable Resource in the UK Today**, Prof Ali Sayigh, Chairman of World Renewable Energy Congress, Director General of WREN

1105 **Soft Magnetic Materials for Renewable/Green Energy**, Prof Tony Moses, Wolfson Centre for Magnetics Technology, Cardiff University

1135 **Electrical Machines for Renewable Energy Applications**, Dr Markus Mueller, Institute for Energy Systems, School of Eng & Electronics, University of Edinburgh

1205 **Design and Construction of a Magnetic Fault Current Limiter**, Dr Jonathan Sturgess, Dr Ellis Chong, Dr Jean-Louis Rasolonjanahary, AREVA T&D Technology Centre

1235 LUNCH/TOUR OF NEWAGE AVK-SEG GENERATOR MANUFACTURING FACILITY

Chairman: Keith Jenkins, Cogent Power Ltd

1430 **Magnets and Hydrogen, Partners in Sustainability**, Prof Rex Harris, Dept of Metallurgy and Materials, School of Engineering, University of Birmingham

1500 **Variable Speed Generator in Hydrogen Powered Vehicle**, Dr Nazar Al-Khayat, Newage AVK-SEG

1530 **The Recycling and Future Selection of Permanent Magnets and Powder Cores**, Dr Ewan Goodier, Swift Levick Magnets

1600 END/TEA

PLEASE COMPLETE AND RETURN TO:

Margaret Swadling, The UK Magnetics Society, Grove Business Centre, Grove Technology Park, Wantage, Oxon OX12 9FA

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www.ukmagsoc.org

I wish to attend The UK Magnetics Society one-day seminar *Renewable Energy and Magnetics*, Wednesday, 12 October 2005, at Newage AVK-SEG, Stamford, Lincs, 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, Acct No 50893293, Sort Code No: 20-90-91; 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 overleaf.

	Fee	VAT	TOTAL
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<input type="checkbox"/> Non-member	£146.00	£25.55	£171.55
<input type="checkbox"/> Non-member student	£56.00	£9.80	£65.80

Please register by 1 October 2005 if possible

Surname.....

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

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



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and Magnetics**

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