

UK Magnetics Society

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www.ukmagsoc.org

Co-sponsored by Materials KTN - Powders



<https://connect.innovateuk.org/web/powders>

Permanent Magnets - Cradle to Grave

Wednesday, 22 February 2012

at

Ceram, Stoke on Trent, Staffordshire

Over the course of 2011, the cost of rare-earth magnets has risen to levels never seen or probably ever envisaged before. This has been mainly due to the high cost of the rare-earth oxides that constitute the main components of the magnets. This has not only affected the end-users but also the manufacturers and suppliers as they have had to battle with almost daily price increases and limited supplies of the raw materials. Thankfully prices appear to have finally stabilised but whether they will ever return to levels of a year ago remains to be seen. This situation has caused great concern particular with design engineers who have been faced with the decisions of the viability of future rare-earth projects or looking for alternative materials. This timely seminar will give an update of the current rare-earth situation, present some of the reasons for the price instability and look at the total supply chain from mining issues, raw materials right through to the recycling of products at their end of useful life – or Cradle to Grave!

P R O G R A M M E

Chairman: Roger Allcock, Arnold Magnetic Technologies Ltd

Chairman: Dr Chris Riley, Bunting Magnetics Europe

from 0900 REGISTRATION/COFFEE

1000 ***Welcome/Introduction***

1015 ***Materials Knowledge Transfer Network
Magnetic Activities***
Stuart MacLachlan, Materials KTN - Powders

1045 ***“He Who Rocks The Cradle”***
David Murphy, Less Common Metals Limited

1115 ***Efficient Use of Rare Earth Materials - A New
Challenge for Designers***
Dr James Bell, MagnetoDynamics, USA

1145 ***Recycling of Rare Earth Magnets***
Dr Allan Walton, Dept of Metallurgy and Materials,
University of Birmingham

1215 LUNCH

1345 ***Latest Update on Using Shin-Etsu’s GBDP
Process to Reduce Dy Usage***
Mr Kyle Linville, Shin-Etsu Magnetics, Germany

1415 ***Low Costed Bonded and Full Dense, Anisotropic
NdFeB Magnet Materials (MQ3)***
Dr Bernd Grieb, Magnequench GmbH, Germany

1445 ***Permanent Magnet Machines for Vertical Axis
Wind Turbines***
Dr Melanie Michon, University of Sheffield, Dept
of Elec & Elec Engineering

1515 ***Smarter Magnetics - Designing in Recyclability***
Dr Ewan Goodier, E-Magnets UK Limited

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 **Permanent Magnets - Cradle to Grave**, to be held on Wednesday, 22 February 2012 at Ceram, Stoke on Trent, Staffordshire 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.....

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	FEE*	VAT	TOTAL
<input type="checkbox"/> UKMAG Members	£ 95.00	£19.00	£ 114.00
<input type="checkbox"/> As above [student]	£ 25.00	£ 6.00	£ 31.00
<input type="checkbox"/> Non-members	£190.00	£38.00	£ 228.00
<input type="checkbox"/> Non-member students	£ 50.00	£10.00	£ 60.00

* 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 10 FEBRUARY IF POSSIBLE

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