



TEM of Magnetite

# Rideal Lecture: Controlling the Properties of Aqueous Interfaces

Wednesday 10 March 2010

SCI HQ, London, UK

**RSC** | Advancing the  
Chemical Sciences

Organised by SCI's Colloid & Surface Chemistry Group  
and the RSC's Colloid & Interface Science Group

  
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# Programme

- 10:00** Registration and refreshments
- 10:45** Welcome and introduction
- 11:00** **Ordering at hydrophilic and hydrophobic interfaces**  
John Ralston, Wark Institute, University of South Australia
- 11:30** **Sedimentation: progress and prospects**  
Richard Buscall, MSACT Consulting, UK
- 12:00** **What drives amphiphile self-assembly? - progressing our understanding of the molecular "hydrophobic effect" and the nature of "hydrophilicity"**  
Calum Drummond, CSIRO Division, Australia
- 12:30** Lunch and Colloid Group AGM
- 14:00** **Novel properties and applications of the dynamic bubble-solution interface**  
Franz Grieser, School of Chemistry University of Melbourne, Australia
- 14:30** **Membrane emulsification and the use of particulate stabilisers**  
Simon Biggs, School of Process, Environmental and Materials Engineering University of Leeds, UK
- 15:00** **Network strength and failure in coagulated suspensions as a probe of inter-particle forces**  
Peter Scales, School of Engineering, University of Melbourne, Australia
- 15:30** **Some strange effects of alcohol...**  
Brian Vincent, School of Chemistry, University of Bristol, UK
- 16:00** Refreshments
- 16:30** **The electrical double layer at the hydrophobic material-water interface-the enemy or salvation of engineers and formulators!**  
Tom Healy, Department of Chemical & Biomolecular Engineering, University of Melbourne, Australia

## Organisers

Simon Biggs, University of Leeds



## Synopsis

The Rideal lecture is an annual award given by SCI's Colloid and Surface Chemistry Group and the RSC's Colloid and Interface Science Group.

Colloid science principles have been successfully applied in a wide range of industries involving manufacture, processing and formulating many materials as aqueous dispersions.

This Symposium aims to bring together a group of colloid scientists all of whom have played leading roles in understanding the nature and properties of the interfaces formed between aqueous solutions and both hydrophilic and hydrophobic materials of all kinds.

## Attendees

This conference is aimed at anyone interested in colloid science as well as rheologists and formulators, scientists in the agriculture, food, coatings, pharmaceutical and cosmetics industries will also find this conference very informative.

## Bursaries

SCI and RSC are pleased to offer complimentary registration to students. To apply for a student bursary, please tick the appropriate box overleaf or apply online. If successful, this will be awarded following the event on production of receipts. Bursaries will be allocated on a first come, first served basis.

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## Information on SCI

SCI is an international, independent charity whose remit is to promote the application of science for the benefit of society.

SCI is the publisher of many well respected journals and industry leader Chemistry & Industry magazine (C&I). SCI can offer a network of contacts spanning education, science and business, an in-depth knowledge of chemical related industries together with a rolling programme of conferences, awards and scholarships to help further knowledge and support those involved in the sector no matter what stage of their careers.

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10 March 2010 @ SCI HQ, London UK

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