

Rideal Lecture: Oilfield Fluids: Tales of Mud and Worms

Wednesday 28 March 2012

Gonville and Caius College, Cambridge, UK

RSC | Advancing the
Chemical Sciences

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

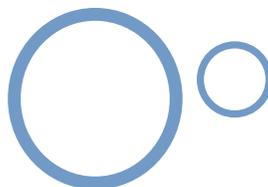

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Programme

- 09:30** Registration and refreshments
- 10:00** **Liquid crystal phase transitions in suspensions of mineral colloids: new life from old roots**
Prof Henk Lekkerkerker, University of Utrecht, The Netherlands
- 10:45** **Clay-based oilfield fluids**
Dr Louise Bailey, Schlumberger Cambridge Research, UK
- 11:15** **Clays and microrheology**
Prof Dame Athene Donald, University of Cambridge, UK
- 12:00** Lunch
- 13:15** Colloid Group AGM
- 13:30** **Assembling non-spherical particles at fluid-fluid interfaces**
Prof Jan Vermant, Catholic University of Leuven, Belgium
- 14:15** **Exploring mineral surfaces**
Dr Stuart Clarke, University of Cambridge, UK
- 14:45** **Rational design of responsive oilfield fluids**
Dr Edo Boek, Imperial College London, UK
- 15:15** Refreshments
- 15:45** **Transport and reaction in cement materials**
Prof Chris Hall, Edinburgh University, UK
- 16:30** **Smart materials**
Prof Alexander Bismark, Imperial College London, UK
- 17:00** Refreshments
- 17:30** **Rideal Lecture - "Oilfield fluids: tales of mud and worms"**
Prof Geoff Maitland, Imperial College London, UK
- 19.00** Close

Organisers

Alex Routh, Cambridge University
Andrew Howe, Schlumberger Cambridge Research



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.

The recipient of this years Rideal lecture is Geoff Maitland. He studied Chemistry at Oxford University where he also obtained his doctorate in Physical Chemistry. After a period as an ICI Research Fellow at Bristol University, he was appointed to a lectureship in Chemical Engineering at Imperial College in 1974. In 1986 he moved to the oil and gas industry with Schlumberger. He rejoined Imperial College in September 2005 as Professor of Energy Engineering and his current research covers clean and efficient fossil fuel production. Geoff was awarded the Hutchison Medal by the Institution of Chemical Engineers in 1998 and served as President of the British Society of Rheology from 2002-2005. He was recently awarded the IChemE Chemical Engineering Envoy Award for 2010 for his media work explaining the engineering issues involved in the Gulf of Mexico oil-spill.

Attendees

The talks describe the use of colloid and interface science in designing properties of complex, functional materials. The event is for soft matter scientists, rheologists and formulators. Colloid and other scientists in the consumer goods, oilfield, agriculture, food, coatings, pharmaceutical and cosmetics industries should find the meeting informative.

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