

PRACTICAL VACUUM & SURFACTS UK 2009 SEMINAR PROGRAMME

Wednesday 25 March

Chair: Dr Zoe Barber

- 10:30 **Vacuum Processing for Photovoltaics**, Dr Charles Bishop, C.A.Bishop Consulting Ltd.
- 11:00 **Practical applications of nanoparticle coatings**, Dr Alistair Kean, Mantis Deposition Ltd.
- 11:30 **Pushing the Barriers of Single Molecule Measurement**, Dr Steven Menengis, University of Manchester.
- 12:00 **Vacuum Processing for the 21st Century**, Speaker TBA, Edwards 90th Anniversary presentation.

Chair: Dr Sunil Patel

- 14:00 **The Problem with Water**, Dr David Hucknall, Vac Tech Ltd.
- 14:30 **Removal of Water Vapour using Cryosurfaces**, Peter White, Megatech Ltd.
- 15:00 **Outgassing: the villain in the vacuum**, Dr Austin Chambers, York University.

Thursday 26 March

Chair: Ken Lawson

- 10:30 **Introduction to Sputtered Thin Films**, Dr Rick Spencer, Alacritas Consultancy Ltd.
- 11:00 **Surface Coating by Pulsed Laser Deposition**, Dr Carl Richardson, RTA Instruments Ltd.
- 11:30 **New DLC Coating Technology opens up High Performance Applications**, Chris H Walker, Diamond Hard Surfaces Ltd.
- 12:00 **Gas in Vacuum – The Usual Stuff?** (Many familiar fluidic properties of gases disappear as they are rarefied, but what replaces them?), Dr Austin Chambers, York University.

Chair: Matthew Backshall

- 14:00 **A Beginners Guide to Surface Analysis Techniques**, Dr Bryan Barnard, Thermo Fisher Scientific.
- 14:30 **Surface Analysis: a problem solving tool**, Dr Mike Petty, Loughborough Surface Analysis Ltd.
- 15:00 **RGA – A Luxury or Vital Diagnostic Tool for Vacuum Processing?** Dr Steve Shannon, RGA User Group.

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