



Short Course

Advanced Techniques in Thermal Analysis & Calorimetry

Monday 31st March 2014

GSK Ware R&D Site, Park Road, Ware, SG12 0DP

The Thermal Methods Group will be holding a One Day Short Course in association with the TAC 2014 Conference hosted by GSK in Ware.

The course will explore advanced methodologies using examples from the pharmaceuticals industry that can be applied to a wide range of other industries. There will be an in-depth discussion of the following topics : DSC, MTDSC, Fast-scan DSC, TG and Evolved Gas Analysis, DMA and micro- and solution calorimetry.

The day will also include several networking/refreshment breaks during which there will be plenty of opportunity for discussion with the course speakers, all of whom have wide experience in the application of thermal methods.

Continuing Professional Development Certificates will be provided for all course delegates.



Programme

Advanced Techniques in Thermal Analysis & Calorimetry
Monday 31st March 2014

- 9:00 Registration & Coffee**
- 9:30 Welcome and Introduction**
Dr Catherine Barnes, GSK
- 9:40 Principles of Differential Scanning Calorimetry**
Dr Nicole Hunter, Thermofisher Scientific
- 10:30 Modulated Temperature DSC**
Dr Vicky Kett, Queen's University Belfast
- 11:15 Coffee**
- 11:45 Fast Scan DSC**
Prof Jim Ford, Liverpool John Moores University
- 12:30 Lunch**
- 13:30 TG & Evolved Gas Analysis**
Dr Paul Gabbott, PETA Solutions and Thermal Instruments Ltd
- 14:15 Dynamic Mechanical (DMA): What it can do for you!**
Dr John Duncan, Lacerta Technology
- 15:00 Coffee**
- 15:30 Microcalorimetry & Solution Calorimetry**
Dr Simon Gaisford, UCL School of Pharmacy
- 16:30 Close**