



RSC | Advancing the
Chemical Sciences



Thermal Methods in Process Safety & Energetic Materials Characterisation

14th November 2007
University of Huddersfield

Thermal methods play a major role in process safety investigation and the study of energetic materials. This multi-disciplinary meeting, hosted by The Thermal Methods Group (TMG) of the Royal Society of Chemistry, will provide an expert overview of recent developments in the field and an ideal opportunity for networking and the sharing of ideas between Industry and Academia.

The Keynote Lecturer will be Professor Francis Stoessel from the Swiss Institute of Safety and Security, winner of the 2006 Netzsch-GEFTA Award. The other lecturers all have a wide background in the application of thermal methods to process safety and related areas. In addition, there will be an exhibition from leading manufacturers of thermal analysis and calorimetric equipment.

Delegates are also invited to present posters.

Enquiries to Prof D R Brown at d.r.brown@hud.ac.uk

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Castle Hill Suite, University of Huddersfield

Programme

- 09.15-09.45 Registration and Coffee
- 09.45-10.00 Introduction and Welcome
- Session 1 Chairman: Mr Ian Priestley (Syngenta Ltd)
- 10.00-10.45 Keynote Lecture
Prof Francis Stoessel (Swiss Safety Institute)
The Use of Thermal Analysis in Process Safety Applications
- 10.45-11.15 **Mr Peter Caine (Syngenta Ltd)**
Ignition of bulk solid particles by localised hot spots
- 11.15-11.40 Coffee
- 11.40-12.10 **Dr Bertrand Roduit (AKTS AG, Switzerland)**
Advanced Kinetics-Based Simulation Methods for Determination of the Time to Maximum Rate under Adiabatic Conditions
- 12.10-12.30 **Mr Craig Williams (Syngenta Ltd)**
The Impact of Crucible Choice on Process Safety Investigations by Thermal Analysis
- 12.30-13.45 Buffet Lunch, Exhibition
- Session 2 Chairman: Prof Rob Brown (University of Huddersfield)
- 13.45-14.15 **Dr Thomas Gmeinwieser (Degussa Initiators GmbH & Co KG, Germany)**
Safe Handling of Peroxides
- 14.15-14.45 **Dr Paul Bunyan (QinetiQ Ltd)**
Some Applications of Calorimetry to Safety Studies of Propellants and Explosives
- 14.45-15.15 **Dr Alan Macdonald (AWE)**
Explosive Compatibility Testing using Traditional and Thermoanalytical Techniques
- 15.15-15.45 **Prof Ted Charsley (University of Huddersfield)**
The Role of Thermal Methods in the Characterisation of Pyrotechnic Systems
- 15.45 Close of session and tea

**Thermal Methods in Process Safety and
Energetic Materials Characterisation
Wednesday 14 November 2007**

REGISTRATION FORM

Title _____ Surname _____

First Name _____

Department _____

Organisation _____

Address: _____

Postcode _____ Email _____

Tel. _____ Fax _____

Special Dietary Requirements _____

I do not wish my Name & Affiliation to appear in the Delegate List

Registration Fees

Delegate £95

Student Delegate £40

Total Payment Due £ _____

The Registration Fee includes a book of abstracts, refreshments and a buffet lunch.

Payments

Cheques should be made payable to the **Thermal Methods Group**.
Please send payment with this form to

Miss Hayley Markham, Centre for Thermal Studies,
University of Huddersfield, Queensgate, Huddersfield HD1 3DH
Email: h.m.markham@hud.ac.uk Fax: 01484 473179

If you would prefer to be invoiced for the Registration Fee, please tick box.

Invoice Address (if different from above)

Further meeting details will be sent to delegates after registration