

TAC 2010

Thermal Analysis and Calorimetry

Recent Developments, Materials Stability and Characterisation

March 30th – 31st, 2010

**Manor House
Aldermaston, Reading, UK**

**Call for Oral and Poster
Contributions**

RSC | Advancing the
Chemical Sciences



TAC 2010 will be hosted by AWE on behalf of the TMG at the Manor House, Aldermaston Park, Aldermaston. Set deep in the Berkshire countryside, this venue offers an attractive and relaxing setting for the conference.



Manor House, Aldermaston

TAC 2010 will cover studies on a wide range of advanced materials including **elastomers, nanocomposites, inorganic materials, metals and gas/solid interactions** in specific environments. The meeting provides an opportunity for **peer review** of work in defence, general research and nuclear establishments.

Presentations detailing the use of thermal methods in **new materials development / qualification, life assessment and materials compatibility** are particularly welcome.

The meeting will feature a comprehensive **Exhibition** showing the latest thermal analysis and calorimetry equipment.

TAC 2010 will incorporate a one day **Thermal Analysis Short Course** to be held at **Manor House** on the **29th March 2010**.

Continuing Professional Development Certificates will be provided for both TAC 2010 and the Training Course.

CALL FOR CONTRIBUTIONS

The TMG Committee invites paper/poster contributions for TAC 2010. The Committee particularly wishes to encourage younger scientists to participate (especially PhD students). With this in mind, there will be a Cyril Keatch Young Scientist competition (further details available from the TMG website).

Anyone wishing to submit a paper should email the title to the local organiser Dr Mogon Patel (mogon.patel@awe.co.uk) indicating whether a poster or oral presentation is preferred.

DEADLINES

Submission of Titles: February 26th 2010

Submission of Abstracts: March 5th 2010

Registration: March 15th 2010

KEY SESSIONS

Materials Ageing and Compatibility

New Materials Development / Qualification

General Applications of Thermal Methods

Recent Developments

Manufacturers' Session for Scientific Papers

Calibration

SPECIAL EVENTS

Manufacturers' Exhibition

Young Scientist Award

Poster Competition (All Posters should be A1 size)

MEETING ORGANISER

Dr Mogon Patel, Building B8A, AWE(A), Aldermaston Reading, RG7 4PR. (mogon.patel@awe.co.uk).

PROVISIONAL PAPERS

Prof. Ted Charsley (University of Huddersfield)
"The Application of Thermal Methods to Pyrotechnic Systems"

Dr John Bevis (Prysmian Cables & Systems Limited)
"Thermal Analysis –Application To Cables"

Amada Hynes (AWE)
"Kinetic Studies by Time-resolved Dilatometry"

Jim Lewicki (LLNL, US)
"Thermal Analysis of Nanocomposites"

Anna Walmsley (AWE, UK)
"Syntactic Foam Qualification"

Debbie Todd (University of Strathclyde)
"Thermal Analysis of Polymer Nanocomposites"

Vijay Vasani (AWE)
"Thermal Stability of Actinide materials"

Paul Nevitt (AWE)
"Thermodynamic of Hydrogen absorption"

Alan MacDonald (AWE)
"Monitoring Energetic Formulations"

Anna Walmsley (AWE)
"Thermal Analysis in Materials Qualification"

Jasbir Singh (HEL LTD)
"Thermal Stability of Batteries"

Hugh Pritchard (KEW)
"Seed Lipids and Storage Stability"

Bill Broughton (NPL)
"Calibration & Technique Development"

SHORT COURSE (Manor House)

TAC 2010 will incorporate a one day thermal analysis short course to be held at Manor House on the 29th March 2010. The course will provide a comprehensive overview of the main thermal analysis techniques including DSC, TG, TMA, DMA and evolved gas analysis and their industrial applications.

For further details please see the TMG Website (www.thermalmethodsgroup.org.uk).

REGISTRATION / ACCOMMODATION

The Conference begins on the 30th March 2010 with registration/coffee at 8.00-9.00am followed by welcome/lectures at 9.00am. The conference dinner will be held on Tuesday 30th March (6.30-7.00 pm start).

All delegates and invited speakers should make their own hotel reservations. Contact details for the Manor House are given below together with those of other nearby hotels. Hotel lists and travel details to Aldermaston are provided on the TMG Web-site (www.thermalmethodsgroup.org.uk).

HOTEL OPTIONS

Manor House, Aldermaston Park, Aldermaston, Reading, RG7 4HX
0118 981 9333 (manorhouse.weddings@virgin.net)

Hinds Head (hindshead@fullers.co.uk)

Apollo Hotel (reservations@apollohotels.com)

The Holiday Inn (Bath Road, Reading)
0118 9714411

ABOUT THE TMG

The Thermal Methods Group (TMG) is a special interest group of the Analytical Division of the Royal Society of Chemistry. The Group is affiliated to the International Confederation for Thermal Analysis and Calorimetry (ICTAC) and collaborates closely with the European thermal analysis groups.

The main objective of the Group is to promote awareness of all thermal analysis and calorimetric techniques by a range of activities, including a regular programme of scientific meetings and publications. A two-day meeting is held in the spring where presentations cover all aspects of thermal analysis and calorimetry, and includes the Annual General Meeting (AGM) of the TMG.

Further details are available on the TMG website (www.thermalmethodsgroup.org.uk).



REGISTRATION FORM

Delete as appropriate:

Name of Participant (Prof / Dr / Mr / Ms)
First name _____ Family name _____

Affiliation: _____

Address: _____

E-mail address: _____

I will / will not attend the conference dinner
I agree / don't agree on my details being published on the attendee list (and for updates on future events).

Inclusive registration fee: (Circle as appropriate)	
	£
All Delegates* -----	195
TMG Members*-----	175
Full Time Student -----	65
Exhibitor (+1 stand)*-----	450
Conference Dinner-----	40

TOTAL Enclosed:

Registration covers lunches, coffees & abstract book
* Includes conference dinner

Payment Options: Cheque/Invoice

Cheques should be payable to the 'Thermal Methods Group' and must be sent [Dr Mogan Patel, Building B8A.1, AWE\(A\), Aldermaston Reading, RG7 4PR.](#)

Delegates wishing to pay by invoice **should supply a valid purchase order number and provide an office address.**