



Manor House, Aldermaston, TAC 2010

Key Dates:

Submission of Titles: Feb, 26th, 2010

Submission of Abstracts: March, 5th 2010

(Please e-mail the Title/Abstract to the local host)

Special Events:

Manufacturers Exhibition, Young Scientist Award,

Poster Competition (All Posters should be A1 size)

Thermal Analysis Training Course.

Continued Professional Development (CPD)

Key Sessions:

Materials Ageing and Compatibility,

New Materials Development/Qualification,

General Applications of TAC

Recent developments

Manufacturer's session for scientific papers

Calibration/characterisation

TAC2010 will be hosted by **AWE** on behalf of the TMG. The venue is the Manor House, Aldermaston Park, Aldermaston. Set deep in the Berkshire countryside, this venue offers an attractive and relaxing setting for the conference (see www.thermalmethodsgroup.org.uk)

Hotel Options

Manor House, (manorhouse.weddings@virgin.net)

Hinds Head (hindshead@fullers.co.uk)

Apollo Hotel (reservations@apollohotels.com)

The Holiday Inn (Bath Road, Reading)

About the TMG and TAC-2010

The Thermal Methods Group (TMG) is an 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 thermo analytical, calorimetric and related thermal 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.

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 TAC in new materials **development/qualification, life assessment and materials compatibility** are particularly welcome.



Thermal Analysis and Calorimetry

March 29 – 31, 2010

Call for Oral and Poster Contributions

Recent Developments, Materials Stability and Characterisation

RSC | Advancing the
Chemical Sciences

Venue:
Manor House
Aldermaston, Reading, UK



LECTURES

(Confirmed Speakers)

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"

Training Course (Manor House)

TAC2010 will incorporate a thermal analysis training course on the 29th March 2010. Potential topics of interest are:

- Overview of DSC, TGA, DMA principles;
- Importance of Calibration, sampling and crucible types;
- Industrial/QA Applications of thermal Analysis

www.thermalmethodsgroup.org.uk<<http://www.thermalmethodsgroup.org.uk/>>



CALL FOR CONTRIBUTIONS

The TMG committee invites paper/poster contributions for its next 2-day TAC conference at the Manor House, Aldermaston. A provisional list of potential lectures is shown. An additional factor that ensures the success and continuation of these meetings is the practical support and sponsorship provided by manufacturers. Manufacturer participation is particularly encouraged at these meetings.

The committee particularly wishes to encourage younger scientists to participate (especially PhD students). With this in mind, there will be a Cyril Keattch Young Scientist competition (further details available from the TMG website).

Anyone wishing to make an oral or poster presentation should fill-in the registration details, and e-mail/post the form to the local host or to the TMG secretary indicating whether poster or oral presentation is preferred.

Registration

The conference begins on the 30th March 2010 with registration/coffee at 8-9:00am 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. The manor house provides accommodation or if preferred, delegates may wish to use nearby hotels. Hotel lists and travel details to Aldermaston are provided on the TMG Web-site (www.thermalmethodsgroup.org.uk).

Useful Contacts for this meeting are:

Dr. Mogon Patel, (mogon.patel@awe.co.uk).

Dr. Paul Gabbott (Paul.Gabbott@perkinelmer.com)

Carolyn Porter (Manor House Manager)
Manorhouse.weddings@virgin.net

REGISTRATION DETAILS

Delete as appropriate:

I will/ will not give an oral presentation/poster.

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).

Name of Participant (Prof/Dr/Mr/Ms)

First name Family name

Affiliation: -----

E-mail:

Inclusive registration fee:
(Circle as appropriate)

| | £ |
|------------------------------|-----|
| All Delegates* ----- | 195 |
| TMG Members*----- | 175 |
| Full Time Student ----- | 65 |
| Exhibitor (+1 stand)*----- | 450 |
| Conference Dinner----- | 40 |
| Persons | |
| TOTAL Enclosed: _____ | |

Registration covers lunches, coffees & abstract book

* Includes conference dinner

Please e-mail Title/abstract to the local Host

Dr M Patel (mogon.patel@awe.co.uk)

Payment Options: Cheque/Invoice

Cheques should be payable to the 'Thermal Methods Group' and must be sent **Dr Mogon Patel, Building B8A, AWE(A), Aldermaston Reading, RG7 4PR.**

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