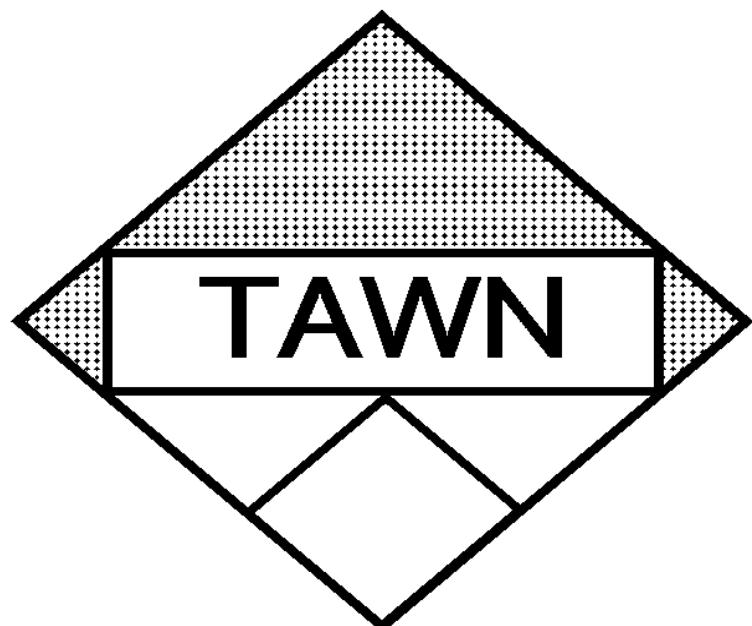
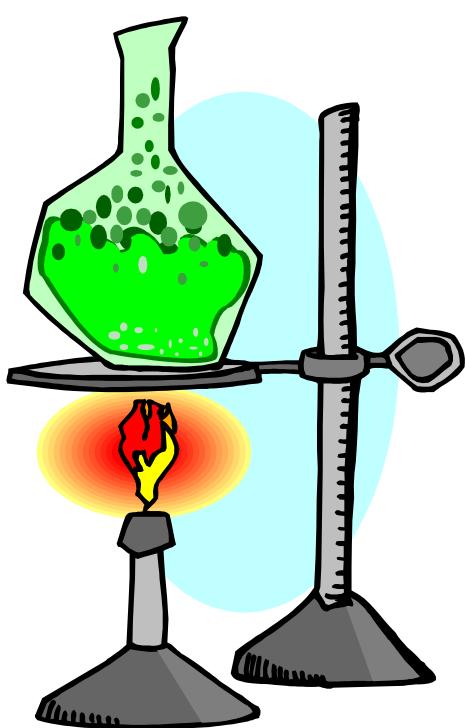


Thermische Analyse Bulletin

Het officiële orgaan van de Thermische Analyse Werkgroep Nederland febr. 2012



Conferentie data,
Cursussen , Apparatuur



COLOFON

Het Thermische Analyse Bulletin is het officiële orgaan van de Thermische Analyse Werkgroep Nederland (TAWN). Het bulletin wordt gratis aan de leden gestuurd.

In het bulletin worden opgenomen:

- nieuws van het bestuur van de werkgroep;
- gegevens over congressen, symposia en cursussen;
- internationaal nieuws;
- boekbesprekingen;
- gegevens over nieuwe apparatuur en de toepassing ervan.

Redactie:

Hr. M.F.J. Pijpers
Dir. v.d. Mühlenlaan 46
6463VZ Kerkrade
E-mail: thijs.pijpers@tiscali.nl

De TAWN stelt zich niet verantwoordelijk voor enige onjuistheden of fouten en de gevolgen daaruit voortvloeiende. Tevens is zij noch de redactie verantwoordelijk voor de inhoud van ingezonden stukken.

REDACTIONEEL



Dit bulletin is bijna geheel gevuld met informatie over een aantal belangrijke congressen en cursussen in de loop van dit jaar. Sommige hebben ook in het vorige bulletin gestaan maar zijn nog steeds actueel. Helaas geen advertenties! Niet alle informatie is opgenomen omdat het volledig omzetten van PDF files niet altijd mogelijk is. Dat leidt tot onleesbare tekst in A5 formaat. Vandaar dat alleen voor advertenties PDF is toegestaan.
Het bestuur is inmiddels uitgebreid met twee nieuwe leden welke op den duur de scheidende leden zullen vervangen.

Bestuur TAWN

Dr. P.J. van Ekeren, voorzitter

Ing W.P.C. de Klerk, secretaris

**Ir. A.J. Witteveen,
penningmeester**

**Dr. Ir. G. Hakvoort,
internationale
contacten**

**Prof. Dr. G.R.J. van den
Mooter**

Dr. G. Vanden Poel

R. Hoekstra

H. Berden

**M.F.J. Pijpers, redacteur
bulletin**

Ledenadministratie

**Dr. P.J. van Ekeren
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3831 DE Leusden
Tel. +31628648579**

P.J.vanEkeren@hetnet.nl

**Bank:
ING, rek.nr. 1768689, t.n.v.
Penningmeester TAWN,
Arnhem.**

Inhoudsopgave

- 1. Informatie en aanmeldingsformulieren
TAWN.**
- 2. Data conferenties, seminars,
cursussen en apparatuur informatie
van diverse bedrijven**
- 3. websites**



THERMISCHE ANALYSE WERKGROEP NEDERLAND

Sinds 1965 bestaat er in Nederland een werkgroep (vanaf 1990 een officiële vereniging) genaamd Thermische Analyse Werkgroep Nederland, afgekort TAWN. Deze werkgroep heeft thans bijna 300 leden, die zich vanuit zeer verschillende onderzoeksgebieden bedienen van thermische analyse (DTA, DSC, TG, TMA, DMA, etc.) en calorimetrische technieken. De TAWN is lid van de internationale organisatie op het gebied van thermische analyse en calorimetrie, de ICTAC (International Confederation for Thermal Analysis and Calorimetry).

Doel van de TAWN

Het doel van de werkgroep is het bevorderen en verspreiden van kennis en kunde op het gebied van thermische analyse en calorimetrie. Om dit doel te bereiken worden er activiteiten georganiseerd, waar de leden onderling informatie kunnen uitwisselen met betrekking tot de mogelijkheden van thermische analyse en calorimetrie bij fundamenteel en toegepast onderzoek alsmede bij kwaliteitscontrole van producten.

Activiteiten

Jaarlijks wordt een thermische analysedag (TAD) georganiseerd. Daarnaast zijn er thema(mid)dagen over speciale onderwerpen. Tijdens deze bijeenkomsten houden leden of uitgenodigde sprekers voordrachten over hun werk. De toegang is voor leden gratis. Deze bijeenkomsten bieden uitstekende mogelijkheden om contacten op te bouwen met andere onderzoekers in hetzelfde vakgebied.

Daarnaast werkt de TAWN intensief mee aan cursussen op het gebied van de thermische analyse en calorimetrie.

Een aantal maal per jaar geeft de werkgroep een blad uit, het Thermische Analyse Bulletin. Dit blad wordt gratis naar de leden gestuurd.

LIDMAATSCHAP

Het lidmaatschap van de TAWN is slechts mogelijk voor natuurlijke personen; de contributie bedraagt

€ 10,-- per jaar. Opgave is mogelijk door de ingevulde aanmeldingsstrook te zenden naar de secretaris van de vereniging.

Sponsoring

Voor bedrijven en instellingen bestaat de mogelijkheid de werkgroep te sponsoren. Ook kunnen advertenties worden geplaatst in het TA-bulletin. Informatie hierover is verkrijgbaar bij de secretaris van de werkgroep of de redacteur van het TA-bulletin.

Thermische Analyse Bulletin

Aanmelding als lid van de TAWN

Ondergetekende geeft zich op als lid van de TAWN.

Naam: _____ Hr./Mw. Titel(s): _____ Voorletters: _____

Bedrijf/Instelling:

Afdeling:

Adres: _____

Postcode en Plaats: _____

Telefoon: _____ Fax: _____ E-mail: _____

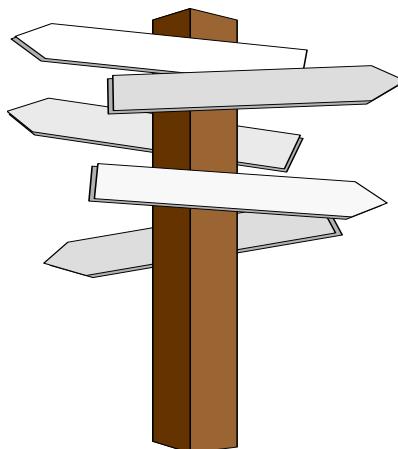
Handtekening:

Deze strook sturen naar de secretaris van de TAWN:

Ing. W.P. C. de Klerk
TNO-Defence, Safety and Security, location Rijswijk
BU3 - Protection, Munitions and Weapons
Department Energetic Materials
(Lifetime studies & Microcalorimetry)
P.O. box 45
2280 AA Rijswijk
The Netherlands
Telephone : + 31 88 86 61355
Fax : + 31 88 86 66492
e-mail : wim.deklerk@tno.nl



CONGRESSEN, SYMPOSIA, CURSUSSEN



TAC 2012

Nottingham, GB, 02.04.2012

http://www.thermalmethodsgroup.org.uk/tac2012_1.pdf

val.street@nottingham.ac.uk

The Royal Society of Chemistry, Thermal Methods group

PhandTA 12 - 12th International Conference on Pharmacy and Applied Physical Chemistry

Ascona, CH, 06.05. - 09.05.2012

<http://www.eurostar-science.org/>

erwin.marti@apch.ch

18. Symposium On Thermophysical Properties

Boulder, USA, 24.06. - 29.06.2012

<http://thermosymposium.boulder.nist.gov/contacts.html>

symp18@boulder.nist.gov

Calorimetry and Thermal Analysis in Catalysis

Lyon, F, 27.06. - 29.06.2012

<http://events.dechema.de/Tagungen/15th+ICC+2012/Satellite+Conferences.html>

[#CTEC](#)

15th ICTAC Conference

Osaka, J, 02.08. - 08.08.2012

<http://ictac15.org/>

As you probably already know, the 15th International Congress on Thermal Analysis and Calorimetry- ICTAC15 will be held in Osaka, Japan, on 20-24 August 2012.

We would like to invite you to submit a contribution to ICTAC15. Please see more information following website:

<http://ictac15.org>

IMPORTANT DATES

Submission of abstracts (online) - April 30, 2012

Notification of acceptance - June 15, 2012

Deadline for early registration - April 30,, 2012

Submission of full-papers – August 23, 2012



ICCE-20 Beijing, China

July 22-28, 2012, Beijing, China

20th Annual Int. Conference on Composites, Nano or Metals Engineering

CALL FOR SHORT PAPERS: ICCE-20 Beijing, China

www.icce-nano.org

We have received overwhelming responses and appreciations of highly successful ICCE-20 conference in composites or nano or metal engineering, attended by many eminent scientists and engineers. We will celebrate our 20th anniversary, two decades, of the outstanding annual series of ICCE conferences.

Your work is of great interest to many researchers in chemistry, physics, biology and engineering of. Nano materials and composite materials. In view of your research reputation, I personally invite you to present a paper at the coming ICCE-20 conference in Beijing, a city known all over the world as the political and cultural capital of China. Please inform interested friends to present papers.

Interested author should IMMEDIATELY submit tentative paper title (changeable later) by email to David Hui, so that we can send you more information. The short paper should be written, by following the format in web page, two pages ,each page two column format, with resulting graphs.

Please apply for travel funds and passport visa early, since this can take time, and inform interested friends to present papers. Due to budgetary constraints, we are unable to offer financial assistance, on your airfare, hotel, nor offer reduction in registration fee. We allow

Thermische Analyse Bulletin

only one paper per presenter, additional fee applies for second paper.. As a precaution, your email to me cannot be assumed received by me, until you will receive my reply.

The ICCE-20 registration fee is very reasonable for a five-day conference, US\$390 before May 22, 2012, with reduced rate for students US\$200 before May 22, 2012. You are encouraged to inform interested friends to present papers. If you wish to develop sessions, please inform me in advance.

All ICCE-20 Beijing, China two-page short papers will be reviewed and then published in special issue of journal, containing well over 1200 pages. Authors are encouraged to submit full length papers to be reviewed and published in selected SCI journals which I am serving on the editorial boards, such as Current Nanoscience journal, Int. Journal of Nanotechnology, Journal of Nanomaterials, Int. Journal of Mechanical Sciences, Composites B journal, Textile Research Journal, Journal of Mining and Metallurgy section B Metallurgy, Science & Engineering of Composites, among others.

(item 1) we are still accepting NEW paper titles for ICCE-20 Beijing, China. All areas of Composite materials, metals, polymers, ceramics, or nano materials and all kinds of fibers research, will be welcomed, among other current topics such as those in chemistry materials, bio nano, natural fibers, environmental and energy materials, computational materials and experimental mechanics etc.. Please inform many more interested professors, researchers, especially students, and junior faculty members, who need visibilities to present papers.

Interested authors should submit tentative paper titles as soon as possible, and then submit detailed two-page short papers by May 1, 2012 (time extension possible) to David Hui, each page has two-column format, and short papers must have graphs to show results. If you wish to develop a session(s), please inform me.

(item 2) the ICCE-20 registration fee of US\$390 before May 22, 2012, is reasonable for five-day conference in Beijing, an expensive touristic city in Asia , and student registration fee of US\$200 is even more reasonable..

(item 3) All these ICCE-20 detailed two-page short papers are peer-reviewed and will appear as short papers in journal, upon payment of registration fee and attendance of ICCE-20. Further, "all" full-length version of these short papers (with paper title change) will also be peer-reviewed and published in selected journals. Thus, all participants will have two journal papers as a benefit of coming to ICCE-20 Beijing, China.

There is no need for full-length paper, but if you wish to submit full-length papers, please do so during or immediately after the conference.

(item 4) The excellent affordable venue hotel in Beijing, will be announced as soon as possible. As usual, our high-quality venue hotel has amazing low prices. For planning purposes, cost is below USD 99 per night..

(item 5) the ICCE has received over 209, 000 google search citations, making it one of the premiere "annual" composites or nano conferences in the world. One of the reasons this is an international conference is that historically, most of the attendees are from outside the continent. The ICCE conferences are backed up by seven or more SCI journals, and attended by many world renowned experts in the field, including 20 or more members of US National Academy of Engineering or US National Academy of Science.

David Hui
Chair ICCE-20 Beijing, China
dhui@uno.edu

January 31, 2012



**TA Instruments – BNL
2012 Training Schedule**

We would like to invite you to the TA Instruments training courses for Thermal Analysis, Microcalorimetry and Rheology. These courses are a mix between theory and hands-on. Everyone with interest in these techniques is welcome to attend.

Module	Date
DSC (theoretical)	1 – 2 February 22 – 23 May 6 – 7 November
DSC (practical)	7 March 11 September 27 November
MDSC (theoretical)	15 February 6 June 12 December
TGA (theoretical)	8 March
TGA (practical)	12 September
DMA (theory & practice)	20-21 March 9-10 October
Universal Analysis (software)	28 November
Rheology (theory & practice)	19-20 April (Etten-Leur - NL) 13-14 September
Vapor Sorption Analysis	18 April (Manchester – UK) 18 July (London – UK)

Location for the training: TA Instruments application laboratory in Zellik (near Brussels) unless otherwise mentioned. Course language is English.

More information?

- available at the Benelux pages of our website www.tainstruments.com
- contact Nadia Rassart, phone (+32) 02 706 00 80 or (+31) 076 508 72 70
- mail to belgium@tainstruments.com or netherlands@tainstruments.com

Accommodation

The AICAT 2012 Secretariat will provide Hotel arrangements in an area very close to the Meeting Point (10-15 min walking). Additional details will be furnished in the next announcement. The booking will be through the Secretariat to ensure a special rate.



Social events

Social events will be scheduled for accompanying persons during the Conference sessions, while for participants and accompanying persons other interesting activities will be organized at the end of each evening session of the Conference.

Contact

For more detailed information you may contact us, preferably by email, at the following addresses:

Dr. Stefano VECCHIO (Chairman)
Department S.B.A.I.
Sapienza University of Rome,
Via del Castro Laurenziano, 7
00161 Rome (Italy).
Email: stefano.vecchio@uniroma1.it

or:

Prof. Marta Letizia ANTONELLI (Co-Chair)
Department of Chemistry
Sapienza University of Rome,
P.le A. Moro, 5
00185 Rome (Italy).
Email: martaantonelli@uniroma1.it

For up-to-date information regarding the Conference, please visit our website at the following address:
<http://w3.uniroma1.it/aicat2012/>

XXXIV National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics

**June 5-8 2012
Rome, Italy**

*Room A
Cannizzaro Building
Department of Chemistry
Sapienza University of Rome*



First Circular



Honorary Committee

B. Marongiu	<i>AICAT President</i>
C. Giancola	<i>GICAT Coordinator</i>
V. Barone	<i>President of the Italian Chemical Society</i>
L. Frati	<i>Rector of Sapienza University of Rome</i>
F. Vestroni	<i>Dean of the Faculty of Civil and Industrial Engineering</i>
P. Negrini	<i>Dean of the Faculty of Mathematical, Physical and Natural Sciences</i>
L. Palumbo	<i>Sapienza University of Rome</i>
A. Laganà	<i>Head of the Department of S.B.A.I. Sapienza University of Rome</i>
	<i>Head of the Department of Chemistry</i>
	<i>Sapienza University of Rome</i>

Scientific Committee

G. Arena	<i>University of Catania</i>
C. Duce	<i>University of Pisa</i>
D. Fessas	<i>University of Milano</i>
E. Franceschi	<i>University of Genova</i>
G. Lazzara	<i>University of Palermo</i>
C. Giancola	<i>University of Naples "Federico II"</i>
B. Marongiu	<i>University of Cagliari</i>
Y. Ricci	<i>Setaram Instrumentation</i>
A. Saccone	<i>University of Genova</i>
A. Schiraldi	<i>University of Milano</i>
M.R. Tinè	<i>University of Pisa</i>

Organizing Committee

S. Vecchio (chair)	<i>Sapienza University of Rome</i>
M.L. Antonelli (co-chair)	<i>Sapienza University of Rome</i>
M. Feroci (Secretary)	<i>Sapienza University of Rome,</i>
R. Bucci	<i>Sapienza University of Rome</i>
F. Marini	<i>Sapienza University of Rome</i>
R. Nescatelli	<i>Sapienza University of Rome</i>
S. Materazzi	<i>Sapienza University of Rome</i>
C. La Mesa	<i>Sapienza University of Rome</i>

Conference Language

The Conference language will be English, for both Oral and Poster contributions.

Special Issue

All contributions presented at the Conference could be considered for publication in a Special Issue of the Journal of Thermal Analysis and Calorimetry after a strict peer-reviewing process. For preparation of the manuscript, please, see the Authors' Instruction at the following website:
<http://www.editorialmanager.com/jtac>

Schedule of Events

The timetable leading to the Conference is:
March 16, 2012, Deadline for the abstract and Application Form for registration submissions
March 16, 2012, Notification and classification of accepted abstracts
March 16, 2012, Deadline for submission of Application for grants and for the Lucci Award.
April 13, 2012, Deadline for the standard registration
June 5-8, 2012, Conference

Preparation of Abstracts

Abstracts for the AICAT 2012 must be prepared according to a format that can be downloaded at the Conference website:
<http://w3.uniroma1.it/aicat2012/>

Second Circular (on request)

The Second Circular will be sent only to those who will explicitly request it by **February 3, 2012** at the following E-mail address:
stefano.vecchio@uniroma1.it

Thermische Analyse Bulletin



43^{ème} Journées de Calorimétrie et d'Analyse Thermique

<http://www.l2p.ups-tlse.fr/JCAT2012/>

Toulouse, les 22, 23 et 24 mai 2012

Fondation Bemberg - Hôtel d'Assézat
Place d'Assézat, 31000 Toulouse

Caractérisation et analyse des propriétés des matériaux

Matériaux pour l'Aéronautique et l'Espace

Matériaux pour la Santé

Thèmes libres



Calendrier

15/03/12 : Date limite de soumission des résumés

31/03/12 : Date limite d'inscription avant majoration

15/04/12 : Acceptation des résumés (Oral ou Poster)

22 - 24/05/12 : Congrès JCAT 43

17/06/12 : Date limite de soumission au JTAC*

*Journal of Thermal Analysis and Calorimetry



43^{ème} JCAT

Toulouse, les 22, 23 et 24 mai 2012

Soumission des résumés

Date limite de soumission le 15/03/12

Comité scientifique

Jean-Marc BUISINE, Université de Lille
Jean GRENET, Université de Rouen
Eric DANTRAS, Université de Toulouse

Comité d'organisation

L'équipe Physique des Polymères
de l'Université Paul Sabatier

Frais d'inscription

- 350 € participant
- 300 € membre AFCAT
- 750 € exposant
- 150 € accompagnant

Majoration de 100 € au-delà du 31/03/2012

Contacts :

Eric Dantras (dantras@cict.fr)

Jany Dandurand (danduran@cict.fr)

Informations sur le site :

<http://www.l2p.ups-tlse.fr/JCAT2012/>

First Announcement

The Royal Society of Chemistry
Thermal Methods group presents

TAC 2012

**3 - 4 April 2012, Food Sciences Division,
School of Biosciences, University of Nottingham, UK**

Registration fee:	£
All Delegates.....	195
TMG Members.....	175
Full Time Members....	65
Exhibitor (+1 stand)...	450
Conference Dinner.....	40

CPD Certificates of attendance
will be issued

Presentations are invited
(oral & poster)

There will be an exhibition by
instrument manufacturers

A Day Course in Thermal
Methods will be held on Monday
2nd April

Enquiries to Val Street at
val.street@nottingham.ac.uk

Confirmed speakers;

Professor Ian Norton, Professor of Soft Solid
Microstructural Engineering, University of Birmingham

Professor Angela Seddon, Professor of Inorganic Materials,
Faculty of Engineering, University of Nottingham

Professor Ed Lester, Professor of Chemical Technologies,
Faculty of Engineering, University of Nottingham

Professor Sandra Hill, Professor of Biomaterial Processing,
Food Sciences Division, University of Nottingham

Dr Andy Stapley, Lecturer in Chemical Engineering,
Loughborough University

Sessions to include;

- Biopolymer characterisation
- Polymer/biopolymer contrast
- Reaction calorimetry and kinetic modelling
- Physical ageing and stability
- Bioenergy

To register your interest and for further details and
updates visit our web-site at
www.thermalmethodsgroup.org.uk



First Announcement

The 38th International Pyrotechnics Seminar

June 10 – 15, 2012



The 38th International Pyrotechnics Seminar

will be held at the Westin Denver Downtown Hotel, Denver, Colorado, USA, on June 10-15, 2012.

DENVER, COLORADO

The Westin Denver Downtown Hotel (<http://www.Westin.com/denverdowntown>) is located at 1672 Lawrence Street, Denver, Colorado 80202 on the famous 16th Street Mall. The 16th Street Mall is a 16-block long pedestrian and transit mall that serves as the retail core of downtown Denver. The Westin Denver Downtown Hotel is also located near the Colorado Convention Center, Invesco Field at Mile High, Coors Field, and the Denver Performing Arts Complex. Colorado's "mile-high" Capital, Denver, is located in the South Platte River Valley on the high plains, just 12.8 miles east of the foothills of the Rocky Mountains. There are many stores, restaurants and tourist attractions in easy walking distance of the hotel. Easy transfer from the airport to the hotel can be by Super-Shuttle bus.

SEMINAR TOPICS

Subjects of interest for this Seminar include pyrotechnics, propellants and explosives and devices that utilize these materials, processes used to make them, and the physical and chemical principles and processes involved in their design, characterization, reaction, testing, operation and aging.

- ◆ All aspects of Pyrotechnics
- ◆ Fuel/oxidizer formulations
- ◆ Insensitive materials
- ◆ Sensitivity and safety
- ◆ Environmental considerations
- ◆ Nano-particles in energetic materials
- ◆ Testing methods and devices
- ◆ Manufacturing processes; twin-screw extruders, coacervation, co-precipitation, etc.
- ◆ Computational methods applied to energetics
- ◆ Improvised explosive devices (IEDs)
- ◆ Initiators and initiation
- ◆ Regulations and standards applicable to energetics; STANAGs, etc.
- ◆ Synthesis and composition of explosives and other energetic composites
- ◆ Unusual applications of energetic materials

Thermische Analyse Bulletin

ABSTRACTS for PAPERS and POSTERS

An official call for papers will follow this first announcement. Abstracts for Papers and Posters may be submitted for inclusion in the Seminar at any time up to December 18, 2011 and should be no more than 500 words in length. You may indicate your preference for presentation in oral or poster session. Full manuscripts from both types of presentations without distinction will be included in the proceedings. Guidelines on how to prepare the manuscript for publication will be published on the IPSUSA.org website and also sent to the authors. Selection of the papers to be given at the Seminar will be made in January 2012, and a list of papers for oral and poster presentation will also be published and posted on the website in January 2012. The proceedings of the Seminar will be published in hard copy and as a CD. Both will be distributed at the Seminar.

SPECIAL EVENTS

Some of the special events being planned include a registration informal reception on Sunday evening with ample food, a casual get-together dinner on Monday, a special outing and dinner on Thursday evening and our traditional wine-and-cheese reception on Friday afternoon.

REGISTRATION

Registration, hotel reservations, and abstracts will all be handled through the Seminar Coordinator:

Linda Crouse – IPS 2012 Coordinator
NTS – National Technical Systems
7961 Shaffer Parkway, Suite 2
Littleton, Colorado 80127-3735 USA
Phone: (303) 539-1000 Fax: (303) 539-1640
E-mail: linda.crouse@ntscorp.com

Questions about details of the logistics for registration and other arrangements may be directed to her.

FURTHER INFORMATION

Mr. Larry Brown of NTS – National Technical Systems, larry.brown@ntscorp.com and Dr. Sara Pliskin of the Naval Surface Warfare Center – Crane, sara.pliskin@navy.mil will chair this Seminar. As information about the Seminar becomes available, it will be posted on the website at <http://ipsusa.org/index2.htm>. If you wish to be placed on the mailing list for announcements of the Seminar, please contact Mrs. Linda Crouse at linda.crouse@ntscorp.com, phone 303-539-1000, and fax 303-539-1640. Copies of proceedings from previous Seminars held in the US (and some non-US) are available in book and CD form for sale at <http://www.ipusa.org/pubs.htm>.

LET US KNOW

We would be glad to hear of your interest or intention in regard to attendance and presentation of a paper or poster. Inclusion of your email address will greatly speed communications. There is no obligation and no payment is required at this time.

Please notify Linda Crouse, NTS to receive future mailings.

Linda Crouse, NTS – National Technical Systems ♦ 7961 Shaffer Parkway, Suite 2 ♦ Littleton, CO 80127-3735 USA ♦ Ph. (303) 539-1000 ♦ Fax (303) 539-1640 ♦ E-mail linda.crouse@ntscorp.com

Thermische Analyse Bulletin



38th International Pyrotechnics Seminar

June 10 - 15, 2012

and

9th Workshop on Pyrotechnic Combustion Mechanisms*

June 9, 2012

Westin Denver Downtown Hotel, Denver, CO, USA HOTEL RESERVATION FORM

Title: _____ Name: _____

Phone: _____ Fax: _____ Email: _____

Affiliation: _____

Address: _____

City

State

Zip Code

Nation

* There is a Separate Registration for the 9th Workshop.

Questions? Call Linda Crouse at (303) 601-8550, Fax: (303) 904-3965, Email:
IPS2012Conference@msn.com

_____, single/double room at **\$179.00** per night
(Room rates are per room per night and are subject to 14.85 % lodgers' tax.)

Will you be attending the Workshop? Yes No

Will you be attending the Seminar? Yes No

Sharing room with: _____

Number of Persons: _____

Arrive: Date _____ Time _____ Depart Date: _____

Please indicate any Special Meal Requirements:

Vegetarian Kosher Other (please describe) _____

We will send confirmations to registrants.

Credit card number for one night's lodging is required to hold the room.
To guarantee room by major credit card, please complete the following:

VISA () AMEX () MasterCard () Diners Club () Discover ()

Credit Card Number: _____ Expires: _____

Signature: _____

Return this form NO LATER THAN May 6, 2012 to guarantee reservation and rate to:

Linda Crouse, IPS 2012 Coordinator

P.O. Box 271088, Littleton, Colorado 80127 or Fax to: Linda Crouse at (303) 904-3965

Thermische Analyse Bulletin



12/11

38th International Pyrotechnics Seminar

June 10 - 15, 2012

Westin Denver Downtown Hotel, Denver, CO, USA

IPS REGISTRATION FORM

Title: _____ Name: _____ Companion Name(s): _____

Phone: _____ Fax: _____ Email: _____

Affiliation:

Address:

City _____ State _____ Zip Code _____ Nation _____

May we include your phone number and email address on the Attendance List? Yes No

Fill in amount for applicable fees and then total:

Member Registration before May 7 * \$ 950 _____

Non-Member Registration before May 7 * \$1000 _____

Member Registration on & after May 7 * \$1025 _____

Non-Member Registration on & after May 7 * \$1075 _____

Companion Thursday Outing ** # ____ @ \$50/person _____

Companion Breakfasts (all 5 days) for a total of \$ 50 _____

Companion Lunches, Mon ____ Tues ____ Thu ____ @ \$25/each day _____

Total remitted: \$

* Includes Proceedings, Portfolio, Refreshments, Registration Social, Mixer/Picnic, Five Breakfasts, Three Lunches, Tuesday Companion Tour, Thursday Night Outing, and Friday Wine & Cheese.

** Ask about children's rates.

My companion(s) and I plan to participate in the following activities:

Registrant Companion(s)

Sunday, 10 June, Registration Social	()	()
Monday, 11 June, Mixer/Picnic	()	()
Monday, 11 June, Lunch	()	()
Tuesday, 12 June, Lunch	()	()
Tuesday, 12 June, Companion Tour	()	
Thursday, 14 June, Lunch	()	()
Thursday, 14 June, Westin Hotel	()	()
Friday, 15 June, Wine & Cheese Social	()	()

Return form to Linda Crouse, IPS 2012 Coordinator @ P.O. Box 271088, Littleton, CO 80127, or

Fax to number below. Checks must be in US dollars, payable on a US bank, payable to 2012 IPSUSA Treasurer.

Fees may also be paid at time of arrival, but PLEASE PRE-REGISTER! Questions? Call Linda Crouse at Phone (303) 601-8550 Fax: (303) 904-3965, Email: IPS2012Conference@msn.com

ONLY VISA, MASTERCARD, AMEX, Cash, or Check will be accepted for Seminar Fees!

No Purchase Orders will be accepted.



CTEC 2012

Calorimetry and Thermal Effects in Catalysis
June 26 - 29, 2012 - Lyon, France

Dear Colleague,

The international symposium "**Calorimetry and Thermal Effects in Catalysis**" will be held in Lyon, France, on June 26-29, 2012, as a satellite conference of the 15th International Congress on Catalysis (Munich, July 1-6, 2012). The symposium's goal is to review and discuss the various approaches to the characterization of catalysts and supports using calorimetry and thermal analysis techniques (DSC, DTA, TG...) alone or linked to other analytical instruments. The range of practical applications includes adsorbents and catalysts, nanoporous materials, sol gel materials, membranes, etc. The symposium is intended for scientists and engineers from industry and academia who are involved in research and development of processes where catalysts or thermal analysis play a key role.

Invited lectures, oral presentations and poster sessions will cover the capabilities of such techniques, their practical problems and the latest advances in the practice of catalysts characterization.

Key dates

Second announcement (registration forms, details about the organization) November 15, 2011

Abstract submission January 15, 2012

Notification of acceptance of presentations February 15, 2012

Regular registration Before May 1, 2012

On-site registration June 26, 2012

Opening session June 27, 2012

See more on the CTEC 2012 website: <http://calo.catalyse.cnrs.fr/CTEC2012>

We are also pleased to announce that a new "**Summer School of Calorimetry**" will be held on June 10-15, 2012 in Lyon, France. More information on this event is to be provided in January 2012.

Thermische Analyse Bulletin

Scientific Organization

Dr. Aline AUROUX, CTEC 2012
CNRS, Institut de Recherches sur la Catalyse et l'Environnement de Lyon
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BELANGRIJKE MEDEDELING (HERHALING).

@@@@@@@
Het bestuur wil een nieuwe aangepaste resolutietest introduceren, welke beter aansluit bij de huidige mogelijkheden van de verkrijgbare TA apparatuur.
Ook hiervoor kunnen belangstellenden zich opgeven bij de bestuursleden van de TAWN.
@@@@@@@

METTLER TOLEDO

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Learn from the experts in these live webinar sessions



We offer web-based seminars (webinars) on different Thermal Analysis topics. Once you have registered for a webinar, you will receive information on how to participate in a seminar. You will need a telephone and an Internet connection.

After the presentation by the specialist, you will have the opportunity to discuss any points of interest with the specialist or with other participants.

Upcoming webinars:

- ▶ [Calibration in Thermal Analysis - February 02, 2012](#)
- ▶ [Kinetics in Thermal Analysis - June 28, 2012](#)
- ▶

Thermische Analyse Bulletin

PAO Techniek
Postbus 5048
2600 GA Delft
Tel 015-278 46 18
Fax 015-278 46 19
Info@paotechniek.nl



www.paotechniek.nl

Eind maart 2012 (28/30^e) organiseert POA Techniek wederom de 3-daagse Thermische Analyse cursus te Velthoven :

PAO Techniek - onderdeel van [Stichting PostAcademisch Onderwijs \(PAO\)](#) te Delft – dat postacademisch onderwijs in de techniek, het technisch management en de 8-wetenschappen organiseert heeft ons gevraagd deze cursus onder de aandacht te brengen van onze Thermische Analyse instrumenten gebruikers groep.

Deze cursus staat los van de fabrikanten van thermische analyse-apparatuur.

De cursus behandelt de state-of-the-art van de voornaamste thermische analysetechnieken en toont welke bijdrage thermische analyse kan leveren aan de karakterisering van allerlei soorten materialen en aan de studie van hun gedrag.

De docenten : zeer ervaren binnen de Thermische Analyse techniek :

Prof. Jules Mullens, Laboratorium Anorganische en Fysische Scheikunde, Universiteit Hasselt, Diepenbeek.

Dr. P.J. van Ekeren, voorzitter Thermische Analyse Werkgroep Nederland.

Prof. Jan Van Humbeeck, Metaalkunde en Toegepaste Materiaalkunde, KU-Leuven.

Ing Wim de Klerk, TNO-Rijswijk, Afdeling Energetische Materialen.

Prof. Vincent B.F. Mathot, President SciTe b.v., Gast-Professor KULeuven.

Prof. Bruno Van Mele, Laboratorium Fysische Scheikunde en Polymeren, VU-Brussel.

Prof. Guy Van den Mooter, Lab. voor Farmacotechnologie & Biofarmacie, KU-Leuven.

Voor meer details zie bijlage en op de website : www.cursus.paotechniek.nl .. Inschrijving verloopt tevens via deze site.



First Call for Papers

8th International Heat Flow Calorimetry Symposium of Energetic Materials

29 to 31 October 2012 at De Vere Venue Wokefield Park Reading, Berkshire, UK

Welcome drinks and buffet available the evening of 28th October

Heat Flow Calorimetry using microcalorimeters, and in part with other techniques such as DSC and ARC, has proven as a very helpful and suitable tool in assessing the thermal behaviour of energetic materials comprising of propellants, explosives, gas generators, pyrotechnics and energetic chemicals for industrial use. Industrial safety aspects treated with HFC are included in the list of topics.

Topics

- Decomposition kinetics of energetic materials
 - mechanisms, kinetic descriptions
- Effects of humidity, atmospheres and adsorption-desorption investigated by heat flow calorimetry
- Modelling of thermal effects and hazards
- Performance evaluation of energetic materials regarding chemical compatibility, stability, ageing and in-service time periods
- Use of heat flow / thermal behaviour of energetic materials in designing and manufacturing
- Safety assessment of energetic or decomposing chemicals
- Evaluation of thermal runaway events
- Testing – measurements and sentencing procedures
- Experimental methods, problems, solutions, developments
- Instrumental improvements and innovations
- Decomposition kinetics of pharmaceutical materials – mechanisms, kinetic descriptions

Presentations

15-25 minutes oral presentations and/or posters will be accepted. Submit abstracts up to 500 words, with optional figures and tables, by email to HFCS-EM@awe.co.uk.
Exact title, author(s) and affiliation to be included.

The closing date for submission of abstracts is the 29 June 2012.
Reply to Authors by 19 July 2012
Full Papers 15 September 2012

Registration

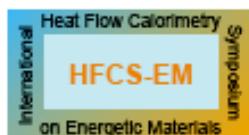
Opens January 2012
The cost of the meeting will be £550.00 (ex VAT)

This includes abstract workbook, proceedings, reception, lunch and refreshments, excursion and symposium dinner.

Details of how to register will be published shortly.

Information and updates at
www.HFCS-EM.com

Thermische Analyse Bulletin



8th International Heat Flow Calorimetry Symposium of Energetic Materials

Expression of Interest

Please complete and return this form by email: HFCS-EM@.awe.co.uk or by fax: +44 (0) 1189 826496

Delegate Contact Details		
Name		
Company Name & Address		
Phone		Fax
Email		
Attendance		
<input type="checkbox"/> I will attend the symposium		
<input type="checkbox"/> I intend to join the symposium but can not yet confirm; keep me on the mailing list		
<input type="checkbox"/> No, I will not attend the symposium; delete me from the mailing list		
Presentation / Poster		
<input type="checkbox"/> No, I do not intend to give a presentation		
<input type="checkbox"/> I might give a presentation but can not yet confirm		
<input type="checkbox"/> Yes, I do intend to give a presentation as follows <input type="checkbox"/> oral presentation <input type="checkbox"/> poster		
Email		

Symposium Chairman

Mr Alan Macdonald
Materials Science Research
Direct: +44 (0)118 98 26289
AWE, Aldermaston,
Reading, UK, RG7 4PR

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Firma: SETARAM

DROP CALORIMETRY: PRINCIPLES AND APPLICATIONS

Drop calorimetry is not the most well known calorimetric method. However most of the high-temperature heat capacity data found in the litterature are coming from the use of this technique. For many years, SETARAM Instrumentation has been involved in the development of drop calorimetry and today the MHTC96 drop calorimeter is the most achieved instrument on the market.



PRINCIPLES

In the drop calorimetry technique, a small sample heated to a known temperature (most of the time closed to room temperature) outside the calorimeter is rapidly dropped into the experimental vessel located into the calorimeter block, surrounded by the heating furnace, controlled at a known temperature.

The MHTC96 drop calorimeter is very convenient for the investigation of metals and alloys, for minerals and oxides, for any advanced material.

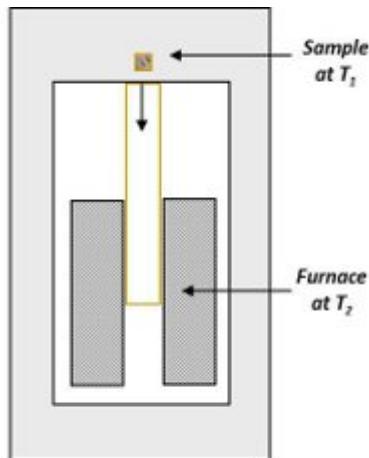


Figure 1: Direct drop calorimetry

APPLICATIONS

The calorimetric detector offers a large working volume (5.3 cm^3) for investigating samples up to 1300 or 1500°C, depending on the type of thermocouple used. The arrangement of thermocouple weldings on the surface of the experimental chamber at varying heights provides good integration of the heat exchanges.



- the direct drop calorimetry for the determination of

- heat capacity
- enthalpy of transition
- enthalpy of reaction (by ignition)

- the solution drop calorimetry for the determination of

- heat of dissolution

Firma TECHNEX



Nieuw: Netzsch TMA thermo mechanische analyzer

TMA bepaalt de uitzetting en krimp (lengteveranderingen) als functie van temperatuur waarbij het monster kan worden blootgesteld aan een trek- of drukkracht. De Netzsch TMA 402 F1 Hyperion zet de standaard met uitzonderlijk goede specificaties qua flexibiliteit, nauwkeurigheid, temperatuurbereik en krachtregeling.



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