

Thermal Desorption 2015



Thermal Desorption - then and now

Conference with Posters and Exhibition

**A one day meeting of the
Automation and Analytical Management Group
Royal Society of Chemistry**

Thursday 16th April 2015

**At The Health and Safety Laboratory
Buxton, Derbyshire SK17 9JN**

**Email: conference@aamg-rsc.org
Website: <http://www.aamg-rsc.org>**



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Introduction

Today thermal desorption is a widely accepted and preferred analytical technique used to examine a wide range of substances in air, with equipment found in many laboratories. The story of how this technique developed from a few groups experimenting in the 1970's with novel ways to measure workplace exposure to volatile chemicals, to the diversely applied and highly valued method of today is a story of twists and turns. This conference takes a fascinating look at the early history and development of thermal desorption, and moves rapidly up to the here and now with technical presentations covering a wide variety of challenging applications. From split control to sample recollection, from the ubiquitous Tenax to exotic sorbents, samplers and traps, the evolution of this precision method and control software will be demonstrated in a series of application talks designed to stimulate interest as well as provide academic information.

Programme

10.00 – 10.30 Registration - tea and coffee

10.30 Welcome, Professor Andrew Curran, HSL, Buxton

Session 1 Thermal Desorption, Past and Present

Chair: **Alan Braithwaite** - AAMG

10.40 History and Development of Thermal Desorption

Liz Woolfenden

Markes International, Llantrisant

11.10 Development of Sorbents, New Sorbents and
Applications / Methodologies

Speaker to be confirmed

11.40 Performance of Laboratories Undertaking VOC in Air Analysis Using
Thermal Desorption Techniques, What Proficiency Testing Data Tells
us

Owen Butler

HSL, Buxton

12.10 Discussion of Results from the Intercomparison Exercise for the
Analysis of Components in Indoor Air

Nick Allen

National Physical Laboratory, Teddington

12.40 Lunch - Exhibition & Poster Session

Session 2 Methods and Developments

Chair: **Neil Plant** - HSL

13.30 Materials Emissions, Indoor Air, a Case Study

Derrick Crump

Cranfield University, Cranfield

13.55 ***To be confirmed***

14.20 Agricultural Applications of Thermal Desorption

Geraint Apps

CEMAS, North Ascot, Berkshire.

14.45 Cheese odour/quality

Kieran Kilcawley

Teagasc Food Research Centre, Fermoy, Co. Cork

15.10 Tea/Coffee - Exhibition & Poster Session

Visits to Labs (20 - 30 min in groups of 5/6)

16.00 End of Conference

Poster Abstract Submission

Abstracts for poster sessions only will be accepted until **15th March**. Since space is limited, you are advised to submit abstracts as soon as possible. Abstracts submitted later than the above deadline may not be included in the conference booklet.

The abstract should be one page (A4) according to the format published on the AAMG website at <http://www.aamg-rsc.org>. Contributions should be forwarded by email to conference@aamg-rsc.org

Exhibition

A limited number of Exhibition places are available. Interested persons are requested to contact the conference secretary at conference@aamg-rsc.org as soon as possible.

How To Register

Please visit our website at: www.aamg-rsc.org for easy on-line registration. Early registration is advised due to the limited number of delegate places and catering requirements.

Registration Fees:	Non Members	£150
	Members	£120
	Students/Retired	£ 75

The registration fee includes attendance at the meeting together with coffee, lunch and afternoon tea/coffee.

Payment of registration fees:

- On-line via Eventbrite by Debit/Credit Card when you make your on-line registration
- Offline payment via Eventbrite by BACS or Cheque

Venue

The Health & Safety Laboratory
Harpur Hill
Buxton
Derbyshire SK17 9JN

Maps and details will be provided upon registration.

Free parking will be available at HSL.

Free mini bus (max 15 passengers) to and from Macclesfield station by request upon registration to meet the 0800 train from Euston arriving at Macclesfield 0941 and will be available from 1500 but no later than 1530 for the return journey.

Delegates arriving at Buxton are advised to use a taxi (10-15 min journey)

Details of local hotels will be available to delegates upon registration.

Registration Contact

Conference Secretary, AAMG-RSC, PO Box 174, Manchester M24 4XZ, UK

Email: conference@aamg-rsc.org Fax: +44 (0) 161 610 3939

AAMG Treasurer

Dr R Narayanaswamy, Address as above

Tel +44 (0) 7974 515265 Fax: +44 (0) 161 610 3939

Notes

- 1) Fees are not normally refundable but are transferable. If for any reason the organisers should cancel the conference then fees will be refunded.
- 2) The registration fee includes attendance at the meeting together with coffee, lunch and afternoon tea/coffee, as appropriate.
- 3) The organisers reserve the right to alter the programme.

Data Protection Act. The information on this form will be retained (1) for the purpose of administering this meeting, in particular for producing a list of participants for distribution at the meeting, and (2) in order that information on future meetings can be sent to you. Please write to the meeting contact if you object.