



Air Analysis

out of the laboratory and into the field

Conference and Exhibition

Arranged by the
Automation and Analytical Management Group
Royal Society of Chemistry,
Gas Analysis and Sensing Group
and The National Physical Laboratory

Thursday 15th May 2008

**National Physical Laboratory
Teddington, Middlesex, TW11 0LW, UK**

Email: conference@aamg-rsc.org
Web site: www.aamg-rsc.org

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Main Lecture Theatre
National Physical Laboratory
Teddington, Middlesex, TW11 0LW, UK

Introduction

Analytical techniques for monitoring air pollutants have generated automated, real time data in the field for several decades. Recent developments, such as more robust and portable instrumentation, have enabled techniques once regarded as laboratory techniques to be used for field operations.

This one-day meeting will include presentations on the current state of techniques available or potentially available for automated use in the field, such as ion chromatography, mass spectrometry and FTIR. Experience gained by using these techniques, particularly for regulatory purposes will also be covered.

The presentations will be supported by an exhibition.

There will also be an opportunity to visit the laboratory facilities at NPL.

Programme

10:30 Registration and coffee

Morning Session: Chairman: Peter Woods, NPL, Teddington, Middlesex

11:00 Real-time measurements of reactive gases and water soluble aerosol components

Marsailidh Twigg, Chiara Di Marco, Rick Thomas, Gavin Phillips and Eiko Nemitz, Centre for Ecology and Hydrology, Edinburgh.

11:30 Real time mobile monitoring of vehicle emissions

Karl Ropkins, University of Leeds, Leeds

12:00 Requirements and practical aspects of quality assurance for real time field data

Paul Quincey, NPL, Teddington, Middlesex

12:30 Lunch and exhibition

Afternoon Session: Chair: GASG

14:00 Development and opportunities for micromachined miniature mass spectrometer systems

Alan Finlay, Microsaic Systems, Woking, Surrey

14:30 Portable FTIR systems

Dominic Duggan, Quantitech, Milton Keynes, Bucks

15:00 Using diffuse optical reflections in gas detectors based on tunable diode laser spectroscopy

Dackson Masiyano, Cranfield University, Cranfield, Bedfordshire

15:30 Tea

Optional visit to NPL laboratories.

POSTERS

Poster presentations relating to the theme of the conference are invited.

Contact: conference@aamg-rsc.org

How to Register

Early registration is requested due to space and catering requirements.
Please complete and return the registration form as soon as possible.

Registration Fees:	Non Members	£90
	Members, RSC, GASG	£70
	Students/Retired Person	£50

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

Payment of registration fees:

- By Cheque or Money Order made payable to: AAMG-RSC
- By Credit Card (AMEX or DINERS cards not accepted)
- By Bank Transfer (BACS)

Venue

National Physical Laboratory, Teddington, Middlesex, TW11 0LW, UK
Maps and details will be provided upon registration.

Registration Contact

Conference Secretary, AAMG-RSC, P O Box 174, Manchester. M24 4XZ, UK
Email: conference@aamg-rsc.org Fax: +44 (0) 161 610 3939

AAMG Treasurer (contact for banking information)

Dr R Narayanaswamy, AAMG-RSC, P O Box 174, Manchester. M24 4XZ, UK
Tel +44 (0) 161 306 4891 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 (see above) if you object.

RSC registered charity No. 207890

REGISTRATION FORM

Please complete this form after referring to the Registration Information and return by
Post Or Fax to:
AAMG-RSC, PO Box 174, Manchester, M24 4XZ, UK
Fax No: +44 (0) 161 610 3939

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Delegate's Name & Title

Position

Organisation

Address

..... Post Code

Telephone No Fax No

Email

Special Requirements

Signature

Registration Fees

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Members, RSC and GASG	£70	<input type="checkbox"/>
Student / Retired Person	£50	<input type="checkbox"/>

Payment:

(Please tick applicable method)

By Cheque Please make cheques payable to: **AAMG-RSC**

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Credit/Debit Card Please Complete Details Below

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