





# **Air Analysis**

out of the laboratory and into the field

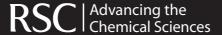
# **Conference and Exhibition**

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



# Air Analysis out of the laboratory and into the field

# Conference and Exhibition

Arranged by AAMG - RSC, Gas Analysis and Sensing Group and the National Physical Laboratory

# Thursday 15th May 2008

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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Special Requirements			
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Signature			
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	Student / Retired Person	£50	
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