

Monitoring Ambient Air 2008

Airborne Particles:
Origins, composition and effects

Conference with Exhibition

Programme
and call for posters

Arranged by the Automation and Analytical Management Group
Royal Society of Chemistry
In cooperation with the National Physical Laboratory,
Teddington, UK

Tuesday 16th and Wednesday 17th December 2008
At the Society of Chemical Industry (SCI)
Belgrave Square, London

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

Airborne Particles: Origins, composition and effects

Conference with Exhibition

Tuesday 16th, Wednesday 17th December 2008
at the Society for Chemical Industry, Belgrave Square, London SW1X 8PS

Introduction

Airborne particles are the most serious air pollutant in Europe in terms of health effects, and they also play a major role in climate change. Until very recently, legislation has been based on particle mass concentrations such as PM10, but it has become increasingly apparent that this measure is too crude to form the basis for good understanding of the scientific issues. The 2008 Ambient Air Quality Directive contains a requirement to monitor the composition of airborne particles, and the collection of reliable data on many specific properties of particles is a very active area of research. This timely conference brings together many leading figures from the field, covering particle composition, optical and physical properties, health effects, sources and legislation, and will provide a broad and up-to-date survey of this important topic.

Day One

Tuesday – European overview and health effects

Chairman: Peter Woods, National Physical Laboratory, UK

10:30 Registration

11:00 EU regulatory position on airborne particles
Andrej Kobe, DG Environment, European Commission, Belgium

11:45 Source apportionment of PM
Xavier Querol, Institute of Earth Sciences, Jaume Almera, Spain

12:30 Lunch

Chairman: Andre Kobe, European Commission, DG Environment, Brussels, Belgium

1:30 Sources and source contributions of fine particles
Thomas Kuhlbusch, IUTA, Duisburg, Germany

2:15 QA/QC of particle speciation measurements
Theo Hafkenscheid, RIVM, Netherlands

3:00 Tea

3:30 Epidemiological links between airborne particles and health
Richard Atkinson, St George's, University of London, UK

- 4:00 Redox active metals as determinants of airborne particle toxicity
Ian Mudway, King's College London
- 4.30 Speciation of airborne and deposited PM in Holland
Ronald Hoogerbrugge, RIVM, Netherlands
- 5:00 Close of day 1

Day Two

Wednesday – Measurements and impacts

Chairman: Annette Borowiak, European Commission, Joint Research Centre,
Ispra, Italy

- 10:00 Developments in monitoring carbon composition: standardisation of methods for organic and elemental carbon
Jean-Philippe Putaud, JRC Ispra, Italy
- 10:30 Optical methods for monitoring black carbon
Tony Hansen, Magee Scientific, California, USA
- 11:00 Coffee
- 11.30 Physical characterisation of airborne particles
Alfred Wiedensohler, Leipzig Institute for Tropospheric Research, Germany
- 12:00 Measurements of water soluble aerosol components
To Be Confirmed
- 12:30 Measurements and trends in airborne metals, including mercury, in the UK
Richard Brown, National Physical Laboratory, UK
- 1:00 Lunch

Chairman: Thomas Kuhlbusch, IUTA, Duisburg, Germany

- 2:00 Modelling the speciation of PM
Dick Derwent, RD Scientific, Newbury, UK
- 2:45 Particulates from industry
Rob Kinnersley, Environment Agency, Solihull, UK
- 3:15 Urban low emission zones
Charles Buckingham, Transport for London, UK
- 3:45 Tea, coffee
- 4.15 Close of conference

POSTERS

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

Contact: conference@aamg-rsc.org

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

Airborne Particles: origins, composition and effects

Tuesday 16th, Wednesday 17th December 2008

Delegate's Name & Title

Position

Organisation

Address

..... Post Code

Telephone No Fax No

Email

Special Requirements

Signature

Registration Fees

Non Members	£285	<input type="checkbox"/>
Members	£195	<input type="checkbox"/>
Student / Retired Person	£95	<input type="checkbox"/>

Payment:

(Please tick applicable method)

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

Please Send an Invoice Purchase Order No:

Credit/Debit Card Please Complete Details Below

Credit Card Details: (Please note that AMEX or DINERS cards are not accepted)

Card Type: Visa / Mastercard / Maestro

Card Number ____ / ____ / ____ / ____

Valid From ____ / ____ Expiry Date ____ / ____ Card Issue Number (Maestro) ____

Card Issue No. (Switch/Solo only) ____

Cardholder Name

Statement Address

..... Post Code

Contact Tel No. (Not Mobile)

Signature of Cardholder **Date**

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	£285
	Members	£195
	Students/Retired Person	£95

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 and DINERS cards not accepted)
- By Bank Transfer (BACS)

Venue

The Society of Chemical Industry (SCI),
14/15 Belgrave Square, London SW1X 8PS

www.soci.org

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