

**Air Quality in Europe  
- New Challenges**

**ANNOUNCEMENT AND  
FIRST CALL FOR PAPERS**

**Conference with  
Posters and Exhibition**

**Organised by the  
Automation and Analytical Management Group -  
Royal Society of Chemistry**

**Tuesday 9th & Wednesday 10th December 2014**

**At The Royal Society of Chemistry,  
Burlington House, Piccadilly,  
London W1J 0BA**

**Email: [conference@aamg-rsc.org](mailto:conference@aamg-rsc.org)  
Website: <http://www.aamg-rsc.org>**

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## Air Quality in Europe - New Challenges

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The Royal Society of Chemistry, Burlington House, Piccadilly, London

### Introduction

In several European countries, air quality made headline news this year in a way that has not been seen for decades. While the regulation of emissions, and our understanding of the sources and mechanisms involved in air quality, move forwards, the overall situation may not, as control in some areas is counterbalanced by uncontrolled developments in others.

Following last year's successful liaison with Defra's Air Quality Expert Group, there will be overview presentations on three topics currently being reviewed by that group. They all concern pollution sources that are either relatively new, or that have not received the attention that they merit: shipping, biomass burning and shale gas extraction (often called "fracking"). There will also be an update on the EU funded CarboTraf project, focusing on black carbon and other air pollution emissions from traffic.

The AAMG December 2014 meeting will focus on these and related themes. Abstracts are invited that specifically address the effects of shipping, biomass burning and shale gas extraction on air quality, together with other significant but less studied sources. Abstracts are also invited on the ongoing themes of this conference series, new technologies and methods for air quality measurement, and work aimed at greater integration of monitoring with modelling and emissions inventories.

### Scientific Committee:

Alan Braithwaite, AAMG-Royal Society of Chemistry, UK; Gary Fuller, Kings College London, UK; Theo Hafkenscheid, RIVM, NL;  
Paul Quincey, National Physical Laboratory, UK; Peter Woods, National Physical Laboratory, UK.

## **Call for Papers**

Papers are invited on the following themes to be presented orally or as posters.

### **Monitoring Technologies**

New technologies for existing metrics (e.g. with higher time resolution, lower cost).

Technologies for new metrics, especially particle metrics that can clarify sources and processes.

Sensors technologies, and the integration and processing of data from sensor networks.

Use of satellite data.

Quality assurance of new methods.

Interactions between monitoring, emissions inventories and Modelling.

### **Specific Challenges to Air Quality**

Shipping

Biomass burning

Shale gas extraction

Other new or less well studied sources of pollution

## Abstracts

A one page (A4) abstract of the proposed paper must be provided by **5th September 2014**. Contributions will be assessed on merit and allocated to an oral or poster presentation if appropriate. Authors will be informed of the Scientific Committee's decision by **19th September 2014**. Contributions not relevant to the theme of the conference will be rejected. The committee's decision is final.

Abstracts accepted for oral presentations and posters will be included in the conference booklet.

The format for producing an abstract is available on the AAMG web site. <http://www.aamg-rsc.org>. Abstracts in other formats will not be considered. Contributions should be forwarded by email to [conference@aamg-rsc.org](mailto:conference@aamg-rsc.org).

All authors and presenters will be provided with details of administration arrangements and requirements for presentations. The principal author of papers selected for an oral presentation will have their registration fees waived.

## Exhibition

Companies who wish to exhibit at this conference are requested to contact the conference secretary at [conference@aamg-rsc.org](mailto:conference@aamg-rsc.org). There will be opportunity for exhibitors to deliver a short (5-10 mins) presentation during the conference.

## Conference Information

All authors and presenters will be provided with details of administration arrangements and requirements for presentations. Registration fees for the two-day conference will be £230 for RSC members, £295 for non-members of RSC and £90 for student researchers. Advanced delegate registration information may be obtained from the AAMG website or by contacting the conference secretary at [conference@aamg-rsc.org](mailto:conference@aamg-rsc.org).