

Developments in Air Quality Current Issues and New Technologies

**Conference with
Posters and Exhibition**

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

Tuesday 11th & Wednesday 12th December 2018

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

Email: conf.aamg@gmail.com

Call for Papers

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at the Royal Society of Chemistry Lecture Theatre
Burlington House, Piccadilly, London W1J 0BA

Introduction

2018 has seen air quality remain high on the public and political agendas. Wild fires have led to air pollution problems over wide areas, tighter real-world emissions tests have been introduced for cars sold in Europe, cities are introducing new measures to meet EU Limit Values and many European countries have committed to phasing out petrol and diesel cars all together. Within the UK we have had a new assessment of the health effects of NO₂, highly relevant to diesel engine emissions, and consultation on a new Clean Air Strategy tackling a broad range of sources including traffic, wood burning and agriculture.

Building on the success of this long-running annual event, this conference will present an update on a range of relevant topics. As usual, the presenters will include internationally recognised experts, and there will also be opportunities for a range of contributed talks and posters, providing a broad and up-to-date survey of the measurement, regulatory and scientific issues affecting air quality.

The conference will again be held in collaboration with Defra's Air Quality Expert Group (AQEG) with sessions based on the group's recently-published reports, including those on the impacts of vegetation on urban air pollution and on air quality impacts of shale gas extraction. Papers are also invited on topics that AQEG are currently scoping, including vehicle exhaust emissions and non-road mobile machinery.

Call for Papers

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

- Air quality measurement technologies:

Recent developments, such as real-time PM speciation, low cost sensors and remote sensing (including satellites and open path measurements).

- Vehicle exhaust emissions:

Up-to-date results for “real world” vehicle exhaust emissions.

- Non-road mobile machinery:

Assessments of the emissions from this class of machinery, and their effect on air quality.

- Topical issues:

Recent events such wildfires and their effect on air quality.

Abstract

A one page (A4) abstract of the proposed oral or poster presentation must be provided by 26 October 2018. Authors will be informed of the Scientific Committee's decision by 9 November. The committee's decision is final.

The format for producing your abstract can be found as a PDF on our page on the rsc.org website.

Papers not chosen for an oral presentation may be included in the poster sessions.

Contributions should be forwarded by email to **conf.aamg@gmail.com**. All authors and presenters will be provided with details of administration arrangements and requirements for presentations.

Scientific Committee

Alan Braithwaite, AAMG-Royal Society of Chemistry, UK; Gary Fuller, King's College London, UK; Paul Quincey, National Physical Laboratory, UK; Karl Ropkins, University of Leeds.

Conference Information

Advanced delegate registration information may be obtained by contacting the conference secretary at **conf.aamg@gmail.com**