

## AAMG News

Email: [info@aamg-rsc.org](mailto:info@aamg-rsc.org)

Website: <http://www.aamg-rsc.org>

Welcome to the first edition of the AAMG Newsletter.

The AAMG are planning to issue the newsletter three or four times a year in order to keep members up to date with forthcoming meetings and information on the group's activities.

The group would be delighted to receive any comments, suggestions and ideas about meetings and activities, particularly if you wish to become involved.

Apart from the planned meetings on ambient air monitoring (Krakow and MAA09), and the meeting on sensors (see below), other plans are in the pipeline. Information on these will be available in the next newsletter and on the AAMG's website.

We hope this newsletter is useful, and welcome any comments and feedback.

### Recent Meetings

#### **Airborne Particles: Origins, Composition & Effects 16th & 17th December 2008, London**

The conference was the 18th organized by the AAMG on the monitoring and analysis of ambient air, the first being held in December 1993 on 'Workplace and Environment Monitoring'. The conferences have addressed a wide range of related subjects and have proved very successful. 'Airborne Particles: Origins, composition and effects' maintained this success with a total of 112 delegates attending and four vendors exhibiting various monitoring instruments, air sampling systems and materials. Approximately 50% of attendees came from overseas including delegates from Brazil and USA.



The conference was divided into two main sessions; European Overview and Health Effects and Measurements and Impacts. The first session included a review of the EU regulatory position and papers discussing the origins and source of the various particle size ranges, PM10, PM2.5 PM1.0 and the contributions of fine particles to the overall pollution levels. An example of these distributions was reviewed in a paper on airborne and deposited particles in Holland and a paper on industrial sources of particulates in the UK. Particle toxicity and epidemiological links between airborne particles and health were also discussed.

The session on Measurements and Impacts on the second day focused on sampling, measurement methods and technologies for monitoring organic and carbon content of particles and optical methods for carbon black. Other papers addressed the physical characterization of particles, measurement of water soluble aerosols and airborne metals, including mercury. Finally, issues relating to quality assurance and quality control in particle speciation measurements and methods for modeling the speciation of airborne particles were discussed.

A further feature of the conference was a successful wine and cheese evening at the end of the first day. This gave delegates the opportunity to visit the exhibition, discuss the presentations and of course sample some excellent cheeses and wines.

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#### **Forthcoming AAMG Meetings**

**Chemical Sensors -  
Moving From  
Measurement to  
Control**

**20th May 2009**

**At The Royal  
Astronomical Society  
London**

**Measuring Air  
Pollutants by  
Diffusive Sampling  
And Other Low  
Cost Monitoring  
Techniques**

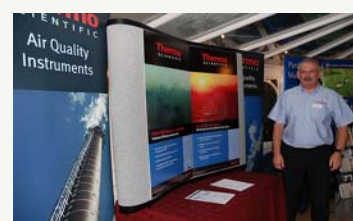
**15th to 17th  
September 2009**

**Krakow, Poland**

**Monitoring  
Ambient Air 2009**

**9th & 10th  
December 2009**

**Burlington House  
London**



## Forthcoming Meetings

### **Chemical Sensors - Moving From Measurement to Control 20th May 2009, London**

Sensors and related technologies are an expanding market with developments occurring at a rapid rate. Sensors are one of the key elements for automation in manufacturing and process technology. Manufacturing industry is introducing a number of new products and services that incorporate sensing technology and sensors are now becoming a key component in the industrial and process control sectors. Current developments and applications are driven by developments in semiconductor technology, smart and 'intelligent' sensors and demands by the industrial users of sensors for cost-effective and yet complex measuring and monitoring products.

The continued proliferation of advanced electronic control systems has provided users with a number of advantages such as sensor accuracy, reliability, response time, robustness, miniaturization, communications capability and increased production efficiencies. Sensors incorporating nanotechnologies are now under development. This drives forward research and development in sensors technology, providing opportunities for the advancement of sensor technology and new applications for sensors.

Important physical and technological progress in the development of new and advanced sensor families will be described in this workshop style meeting. Sensor development is strongly directed to the miniaturization of devices, integration of different sensors and multisensors, as well as integration between sensors and microelectronics. The meeting will discuss new directions in sensor technology and applications in the real world.

More details of this meeting will be available on the website shortly.

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### **Measuring Air Pollutants by Diffusive Sampling And Other Low Cost Monitoring Techniques 15th to 17th September 2009, Krakow**



A conference organized by the AAMG is planned for September 2009 to be held in Krakow. The conference will be co-sponsored by a number of organizations including the European Commission JRC ( Ispra, Italy), NPL (UK), RIVM (Netherlands), VITO (Belgium). The conference will provide a much needed update on diffusive monitoring techniques and the present and planned regulations to provide 'Cleaner Air for Europe'. Plenary lectures will address a range of topics including regulatory aspects, recent developments in monitoring instruments and techniques, sensors and automated systems. Additional contributions are invited in a number of key areas such as legislative aspects, protection of ecosystems and cultural heritage, air quality assessment and mapping and modelling, sensors, novel techniques and other devices, workplace and personal monitoring and emission surveys.

Call For Papers [More Details](#)

The Krakow conferences follows in the tradition of series of successful European conferences organised by the AAMG on a monitoring ambient air theme including Ambient Air Monitoring, Roskilde 2000, Diffusive Sampling in Montpellier 2001, Particles in Europe, Antwerp 2006, Particles and Photo-oxidants, Prague 2007.

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### **Can You Help?**

AAMG are constantly looking for new meetings topics, potential collaborations and offers to become involved. If you have any thoughts that you think may be helpful, or if you wish to become involved with AAMG, please send an email to: [info@aamg-rsc.org](mailto:info@aamg-rsc.org)

If you wish to remove your name from our mailing list please [click here](#)