



Smart Chemical and Biological Sensing Technologies

Conference with Posters

Call for Papers

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

**A one day meeting on
Friday 16th June 2017**

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

**Email: conference@aamg-rsc.org
Website: <http://www.aamg-rsc.org>**



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Conference with Posters and Exhibition

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

Introduction

This is the ninth annual AAMG Conference concerning monitoring and analysis using sensor technologies. The conference will examine the design and application of materials and development of smart sensors and technologies for monitoring medical, biological and other related processes. Sessions will feature presentations by invited speakers supplemented by presentations selected from submission of abstracts, on a variety of topics in the following areas:

- Key enabling technologies and monitoring systems for smart sensors.
- Electrochemical and optical (colour changing) smart sensors.
- Smart sensors and materials for chemical, biochemical and medical monitoring.
- Informatics in smart sensing applications - communication and data analysis.

Invited Lectures

A number of invited speakers will introduce the conference with presentations in the following areas:

- Electrochemical SERS for the discrimination of DNA from biothreats
- **Phil Bartlett, Southampton**
- CMOS gas sensors for healthcare - **Julian Gardner, Warwick**
- Making smarter biological interfaces for sensing
- **Paula Mendes, Birmingham**
- Optical molecular imaging - the real-time in-situ detection of bacteria in man
- **Mark Bradley, Edinburgh**
- Detecting the threat - **Licia Dossi, Cranfield**
- Smart sensors for environmental monitoring
- **Nathan Lawrence, ANB Sensors Ltd**

The conference will be supplemented with poster presentations and exhibition.

Abstracts

A one page (A4) abstract (250 words maximum) of the proposed oral or poster presentation must be provided by **Friday, 7th April 2017**. Please indicate whether your contribution is for an oral or poster session. Contributions will be assessed on merit. Authors will be informed of the Scientific Committee's decision by **21st April 2017**, the committee's decision is final. Authors of papers selected for oral sessions will be included in the conference booklet. Papers not chosen for an oral presentation may be included in the poster sessions and in the poster section of the booklet. The format for producing the abstract is available on the AAMG web site at <http://www.aamg-rsc.org>. Abstracts in other formats will not be considered.

Contributions should be forwarded by email to:
conference@aamg-rsc.org

Exhibition

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

Posters

Poster applications are being accepted until **12th June 2017**

Conference information

All authors and presenters will be provided with details of administration arrangements and requirements for presentations. The principal authors of invited presentations and papers selected for oral presentations will have their registration fees waived. A limited number of bursaries may be available for younger participants, particularly to those presenting posters. Each bursary will include a complimentary registration if proof of their status can be provided (e.g. letter from supervisor). These would be awarded on a first come first served basis and preference will be given to those who submit papers for poster session.

Registration fees for the one-day conference will be £65 for members of RSC and affiliated societies, £95 for non-members of RSC and affiliated societies and £35 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**.

Scientific Committee

Dr R. Gupta, Dr M.G. Baron, Professor K.C. Persaud and Dr R. Narayanaswamy