



Smart Chemical and Biological Sensing Technologies

Conference with Posters and Exhibition

Programme

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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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 feature presentations by invited speakers supplemented by presentations selected from submission of abstracts.

The conference will be supplemented with poster presentations and exhibition. Abstracts for Posters can be submitted until **Friday 9th June 2017**

Programme

09:30 - 10:00 Registration and coffee

Session 1 Healthcare / Security Applications

Chair: **To be Confirmed**

10:00 CMOS gas sensors for healthcare

Julian Gardner

University of Warwick, UK

10:30 Optical molecular imaging - the real-time in situ detection of bacteria in man

Mark Bradley

University of Edinburgh, UK

11:00 - 11:20 Tea and Coffee

11:20 Electrochemical SERS for the discrimination of DNA from biothreats

Phil Bartlett

University of Southampton, UK

11:50 Detecting the threat
Licia Dossi
University of Cranfield, UK

12:20 Integrated Electrolyte Gated OFET and microfluidics for developing a biosensor platform
Glenn Sunley Saez
University of Manchester, UK

12:45 - 14:00 Lunch - Exhibition & Poster Session

Session 2 Materials / Environmental Applications

Chair: **To be Confirmed**

14:00 Making smarter biological interfaces for sensing
Paula Mendes
University of Birmingham, UK

14:30 Smart Sensors for Environmental Monitoring
Nathan Lawrence
ANB Sensors, UK

15:00 Controlled sp² addition to Boron-Doped Diamond: Development of an oxygen insensitive voltammetric pH sensor
Zoë Ayres
University of Warwick, UK

15:25 - 15:45 Tea / Coffee

15:45 Carbon dioxide measurements using long period grating optical fibre sensor coated with metal organic framework HKUST-1
Jiri Hromodka
University of Nottingham, UK

16:10 Gas sensing based on Langmuir-Schaeffer assembled commercial graphene platelets
Sebastian Nufer
M-Solv Ltd, UK

16:35 Concluding Remarks and End of Conference

How To Register

On-line registration for the conference is straightforward using the AAMG's website: www.aamg-rsc.org. Early registration is requested due to limited number of delegate places and catering requirements.

Registration Fees:	Non Members	£ 95
	RSC & Affiliated Members	£ 65
	Students Researchers	£ 35

The registration fee includes attendance at the meeting together with coffee, lunch and afternoon tea/coffee.

Payment of registration fees:

By Debit/Credit card via Eventbrite when you make your on-line registration

Venue

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

Maps and details will provided upon registration

Registration Contact

Conference Secretary Email: conference@aamg-rsc.org

AAMG Treasurer

Dr R Narayanaswamy
Tel +44 (0) 7974 515265

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 if you object.