

Bioanalytical 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
Tuesday 16th June 2015**

**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 seventh annual AAMG Conference concerning monitoring and analysis using sensor technologies. The conference will examine the design and application of materials and development of sensors for monitoring medical and biological processes. Sessions will feature invited presentations by experts on a variety of topics in the following areas:

- New materials in sensor technologies and monitoring systems.
- Sensors and materials for medical and biochemical monitoring.
- Instrumentation
- Informatics in sensing applications; data acquisition, transmission, validation and interpretation of results (bio-informatics).

The conference will be supplemented with poster presentations and exhibition.

Programme

09:30 – 10:00 Registration and coffee

Session 1 Biosensor Technologies

Chair: **To be Confirmed**

10:00 Organic Semiconductor Materials and Devices for Biosensing
Mike Turner
University of Manchester, UK

10:30 A Platform Approach for Labelless Electrochemical
Immunosensors
Seamus Higson
Cranfield University, UK

11:00 - 11:20 Tea / Coffee

11:20 Sensor Array for Ischemia Monitoring in Endoscopic Surgery
Josep Samitier
Director, IBEC, Barcelona

11:50 Diagnosis of Urological Malignancy using a GC Sensor: the Odoreader
Chris Probert
University of Liverpool, UK

12:20 Leaky Waveguide Biosensors
Nick Goddard
University of Manchester, UK

12:50 - 13:30 Lunch - Exhibition & Poster Session

Session 2 Applications and Informatics

Chair: **To be Confirmed**

13:30 Infectious Disease Monitoring
Rachel McKendry
U C L, London, UK

14:00 Small Molecule Sensing using Proteins as Specific Recognition Elements
Krishna Persaud
University of Manchester, UK

14:30 The Use of Breath and Headspace Analysis in Disease Diagnosis
Claire Turner
Open University, Cranfield, UK

15:00 - 15:20 Tea / Coffee

15:20 Pattern Recognition for Biological Sensing: Doing it Right
Conrad Bessant
Queen Mary University of London, UK

15:50 Sensors and Brokers: Collecting and Integrating Chemical and Environmental Data
Jeremy Frey
University of Southampton, UK

16:20 Exhibitors Presentations

16:40 Concluding Remarks and End of Conference

Poster Abstract Submission

Abstracts for poster presentations related to the conference topic are invited, which must be of one page (A4) (250 words maximum) and provided by **30th April 2015**. Contributions will be assessed on merit. Authors will be informed of the Scientific Committee's decision within 7 days of the above deadline.

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

Exhibition and Sponsorship

A limited number of Exhibition places are available. Sponsorship opportunities and media partnerships at the event offer excellent opportunities for your company to showcase its products and services. Please contact the conference secretary at **conference@aamg-rsc.org** for more information.

Scientific Committee:

Dr R.Narayanaswamy, Prof K Persaud, Dr A Braithwaite,
Dr C Walton, Mr J Trigg and Dr Craig Roxburgh

How To Register

Please visit our website at: www.aamg-rsc.org for easy on-line registration. Early registration is requested due to limited number of delegate places and catering requirements.

Registration Fees:	Non Members	£165
	Members	£125
	Students/Retired	£ 85

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

Payment of registration fees:

- On-line via Eventbrite by Debit/Credit card when you make your on-line registration
- Offline payment via Eventbrite by BACS or Cheque

Venue

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

Maps and details will be provided upon registration

Registration Contact

Conference Secretary, AAMG-RSC, PO Box 174, Manchester M24 4XZ, UK
Email: conference@aamg-rsc.org

AAMG Treasurer

Dr R Narayanaswamy, Address as above
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.