

## Innovative Chemical Sensing

Conference with Posters and Exhibition

### Programme

Organised by Automation and Analytical Management Group  
Analytical Division, Royal Society of Chemistry

A one day meeting on  
Wednesday 27th June 2018

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

Email: [conf.aamg@gmail.com](mailto:conf.aamg@gmail.com)

# Sensors 2018

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Wednesday 27th June 2018

at the Royal Society of Chemistry,  
Burlington House, Piccadilly, London

### Introduction

This conference on "Innovative Chemical Sensing" organised by the Analytical Management and Automation Group concerns innovations in monitoring and analysis using sensor technologies. The conference will examine the innovations in the design and application of materials and development of sensors and technologies for monitoring medical, biological, environmental and other related processes.

The conference will be supplemented with poster presentations and exhibition. Abstracts for posters can be submitted until Friday 22nd June 2018.

### Programme

10:00 - 10:30 Registration and coffee

### Session 1 Healthcare Applications

- 10:30 Smart sensing technologies for healthcare and wellness applications  
**Luigi Occhipinti**  
**University of Cambridge, UK**
- 11:05 Stretchable sensing systems  
**Ravinder Dahiya**  
**University of Glasgow, UK**
- 11:40 3rd generation high-throughput screening platform for nanomaterials  
**Nicola William**  
**University of Leeds**

12:10 Textile based sensors  
**Carol Crean**  
**University of Surrey, UK**

12:40 - 13:40 Lunch and Poster session

## **Session 2 Environmental Applications**

13:40 Innovations and solutions for gas sensing in the commercial world  
**James Covington**  
**University of Warwick, UK**

14:15 Development of low cost sensors for urban air quality monitoring and long-term emission measurements  
**Valerio Ferracci**  
**Cranfield University, UK**

14:50 Organic electronics for gas sensors  
**Suresh Garlapati**  
**University of Manchester, UK**

15:20 - 15:40 Tea and Coffee

15:40 Applying machine learning techniques to microwave spectroscopy for the detection of geosmin  
**Samuel Ryecroft**  
**Liverpool John Moores University, UK**

16:10 Droplet microfluidic sensors for in-situ chemical monitoring of natural waters  
**Adrian Nightingale**  
**University of Southampton**

16:40 Concluding remarks

End of conference

## How To Register

On-line registration for the conference is straightforward using the AAMG's Eventbrite facility which can be found using the web address below:

<http://www.rsc.org/events/detail/31365/sensors-2018-innovative-chemical-sensing>.

Early registration is requested due to limited number of delegate places and catering requirements.

<b>Registration Fees:</b>	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

### Registration Contact

Conference Secretary email: [conf.aamg@gmail.com](mailto:conf.aamg@gmail.com)

### AAMG Treasurer

Dr R Narayanaswamy  
Tel +44 (0) 7967 909437

### 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.