Sensors 2019

Sensors and Networks for Environmental Monitoring

Conference with Posters and Exhibition

Conference Programme

A joint conference of the Automation and Analytical Management Group and the Environmental Chemistry Group of the Royal Society of Chemistry

A one day meeting on Wednesday 26th June 2019

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

Email: conference@aamg-rsc.org.uk

Sensors and Networks
for Environmental Monitoring

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Introduction

Sensor-based instrumentation and sensor networks offer measurement at higher spatial and temporal densities than can be obtained using traditional environmental analytical methods but at the cost of analytical quality. Acquiring, curating, analysing and understanding the immense volume of data potentially available presents further challenges.

This wide-ranging conference concerns novel sensor materials and technologies with improved performance and how sensors can be combined into networks capable of providing detailed insights into the concentration of pollutants in the environment. The interaction of new sensor technologies with the regulatory landscape will also be explored.

Programme

10:00   Registration and coffee

10:30   Welcome and Introductions

Session 1 Sensor materials and technologies

10:45   Technology for graphene and FET-based sensors
Professor Krishna Persaud
University of Manchester, UK

11:15   Optical sensors for environmental applications
Dr Tanya Hutter
University of Cambridge, UK

11:45   Integrated catchment monitoring of the River Lea
Matt Loewenthal and Harry Lloyd
Environment Agency

12:15   Aquatic measurements
Professor Dominick Weiss
Imperial College

12:45 - 13:45   **Lunch & Exhibition**

Session 2 Policy, standardisation and regulation

13:45   Environmental regulation and sensor systems
Dr Rob Kinnersley
Environment Agency

14:15   Setting standards for low-cost sensors
Dr Nick Martin
National Physical Laboratory

14:45 - 15:15   Coffee & Exhibition

Session 3 Sensor networks and modelling

15:15   Marine emissions and health
Dr Matthew Loxham
University of Southampton

15:45   Atmospheric dispersion modelling
Amy Stidworthy
Cambridge Environmental Research Consultants

16:15   Turning sensor data into knowledge
Professor Rod Jones
University of Cambridge

16:45 - 17:00   Closing remarks and end of meeting

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: http://www.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

Registration Contact

Conference Secretary email: conference@aamg-rsc.org.uk

AAMG Treasurer

Dr R Narayanaswamy
Tel +44 (0) 7967 909437
Email: treasurer@aamg-rsc.org.uk

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.