

# Innovative Applications of Materials Chemistry in Water Treatment

## Part 1: Removal of Contaminants from Drinking Water

11th May 2016: RSC Burlington House, Piccadilly



Organised by the RSC's Water Science Forum and Applied Materials Chemistry Group and the SCI

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## Part 1: Removal of Contaminants from Drinking Water

09:30	Registration and Coffee	
<b>Keynote Presentation</b>		
10:00	An overview of the limitations of existing treatment technologies and regulatory pressures.	Prof Bruce Jefferson, Cranfield University
<b>Session 1: Natural Organic Matter and Disinfection By-Products</b>		
11:00	Magnetic Ion Exchange (MIEX)	John Haley, Yorkshire Water
11:30	Coffee	
11:45	SIX® CeraMac®	Chris Rockey, South West Water
12:15	Potential Solutions at the R&D stage	Prof Jia-Qian Jiang, Glasgow Caledonian University
12:45	Lunch and Poster Exhibition	
<b>Minding the Gap</b>		
13:45	The problem of taking new materials technology from idea and proof-of-concept into a realistic evaluation phase: finding collaborators, end users and funding.  An audience Q/A session and discussion	Richard Allan, The James Hutton Institute  Jonathan Abra, Knowledge Transfer Network
<b>Session 2: Problem Pesticides</b>		
14:30	Adsorption/oxidation on a novel conducting material: Nyex™	Dr Akmez Nabeerasool, Arvia Technology
15:00	Coffee	
15:15	Novel adsorbents for the removal of micropollutants from water	Dr. Jorgen Jonsson, WRc
15:45	Potential Solutions at the R&D stage	Dr Peter Jarvis, Cranfield University
16:15	Closing remarks and Poster Prize	Maurice Webb



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### Synopsis

This conference is the first in a planned series, the aim of which is to discuss current and possible future innovative applications of materials chemistry in water and wastewater treatment by bringing together problem holders and technology providers to discuss some of the more urgent and intractable problems associated with the provision of high quality drinking water and environmental protection. This first session will focus specifically on the challenges around the removal of pesticides and natural organic matter from drinking water.

### Attendees

Those with a responsibility for, or interest in, drinking water treatment and water quality and materials scientists who may have relevant new technology. In particular: water companies, regulators, NGOs, research organisations, academia, land and water agencies and scientists exploring water and wastewater treatment as an opportunity area.

### Organising committee

**Simon Gillespie**, Scottish Water  
**Maurice Webb**, Quiltro Associates  
**Richard Allan**, The James Hutton Institute  
**Daven Chamberlin**, Paper Technology  
**Alexandra Bush**, ISIS Enterprise

### Posters

Posters are being accepted until the closing date of April 15th 2016. Please send all submissions to [simon.gillespie@scottishwater.co.uk](mailto:simon.gillespie@scottishwater.co.uk)

**Registration and Payment details on next page**



# Registration and Payment

## Innovative Applications of Materials Chemistry in Water Treatment

### Part 1: Removal of Contaminants from Drinking Water.

Wednesday 11 May 2016 @ Burlington House, London, UK

### Exhibition

There are a small number of exhibition stands available at £250 each. Enquire to [simon.gillespie@scottishwater.co.uk](mailto:simon.gillespie@scottishwater.co.uk)

### Information on SCI, WSF and AMCG

The WSF focuses on the application of chemical sciences in the management of the water cycle and the impact of these activities on the natural environment. WSF attracts members, and thus expertise, from many sectors within the water community.

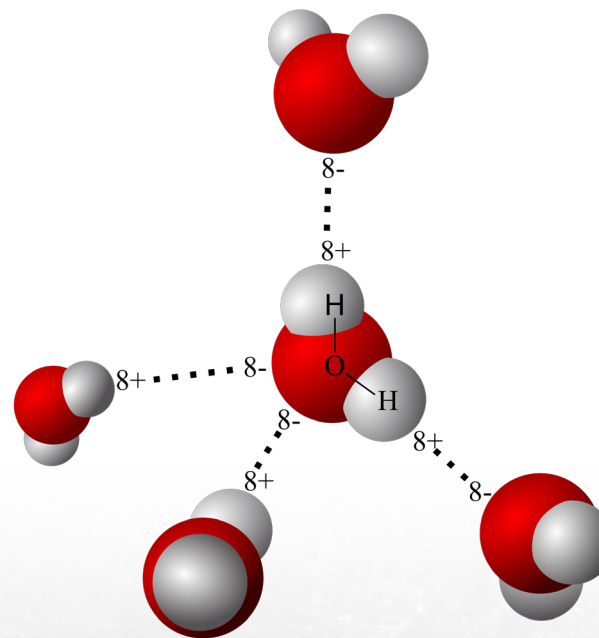
The AMCG focuses on industrial uses and opportunities for “effect” materials, i.e. materials which significantly enhance or determine the performance of a product, covering many application areas, including water and wastewater treatment.

The SCI's Materials Chemistry Group aims to promote materials chemistry, physics and engineering to the wider world by identifying emerging technologies and aiding the transfer of information from academia to industry and other institutions.

To register please visit the following website:

[www.eventbrite.co.uk](http://www.eventbrite.co.uk)

**Registration Fee: £145**



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Network