

A joint event between:



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WATER SCIENCE FORUM

Water & Health Workshop

31st January 2018

Exhibition and Conference Centre, University of the West of England,
Filton Rd, Stoke Gifford, Bristol BS34 8QZ

Approximately 60% of our body is water which is vital for our bodies to function. We have come to expect clean water for drinking and for our daily living and to maintain a health lifestyle. Clean water and healthy food are seen as critical elements in ensuring a healthy nation, reducing the burden on the NHS. Our health can be put at risk if our water supplies become polluted or contaminated with bacteria, toxins or other chemicals and heavy metals.

In ensuring that the health of the nation is given priority, the EPSRC have identified a "Healthy Nation" as one of their Prosperity Outcomes of the strategy and delivery plan up to 2020. The EPSRC identifies that the development of new technologies materials will enhance our ability to predict, detect and treat disease.

The application of new sensing technologies along with more traditional approaches and the application of connected systems can be used for the early detection of microbial pathogens and toxic chemicals preventing disease and ensuring the supply of clean water protecting the population from disease and contribute towards a healthy nation.

This workshop will have a keynote talk from Public Health England giving an overview of waterborne disease followed by presentations from companies and researchers showcasing the latest devices and sensor technologies that are able to rapidly detect microbiological and chemical contaminants.

Chair: Richard Luxton, IBST, UWE

09:30 Tea, Coffee & registration

10:00 Introduction by the Chairman. **Richard Luxton, IBST, UWE**

10:20 Keynote: Waterborne disease, **Prof Nigel Silman, Public Health England (PHE), Porton Down**

10:50 New Rapid Microbiological Techniques for the Detection of Legionella. **Elise Maynard, Water Management Society**

11:20 Tea & Coffee

11:50 Novel Microbiological Monitoring Techniques for Water Quality. **Robert Pitchers, WRc Plc**

12:20 E. coli detection in remote sites. **Dr Stephen Gundry, Brightwater Diagnostic.**

12:50 Discussion & Lunch

13:50 Biofilms and Drinking Water Quality. **Dr Katherine Fish, Sheffield University.**

14:20 The application of Fluorescent measurement in water monitoring **James Sorensen, British Geological Survey**

14:50 Making the Most of Data to Benefit Public Health. **Steve Markham, Marquis & Lord.**

15:20 Deckchair, sun cream, bathing water test kit - screening bathing water quality at the point of use. **Ian Leahy, Palintest**

15:50 Discussion & close

REGISTRATION: The cost of attending the Workshop is £89.00 inc VAT for RSC and SWIG members. £161 inc VAT for non-members. £20 for students. Literature may be distributed for a fee of £67 and a limited number of table top displays are available at £128 each. Registrations can be made by Tel 01934 830658 or by email to rosa.richards@swig.org.uk or using the on-line booking form.

Please advise of any special dietary requirements at time of booking.

Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.