

Kindly sponsored by:



The Role of Sensors in Disinfection and Microbiological Monitoring

28 January 2015
Etihad Stadium, Manchester, M11 3FF

Drinking water must be 'wholesome' and this is defined in law by standards for a wide range of substances, organisms and properties of water in regulations. Compliance with the strict UK and European standards is very good in the UK: England and Wales achieved 99.97% compliance. A small number of failures do occur; can the improved use of sensors and the application of emerging technologies help?

Chlorine is used as a primary disinfectant in water treatment and is also added to protect the water during distribution to the tap. Chlorine has made the greatest contribution to the prevention of disease from drinking water worldwide and the technologies for monitoring and control are well established. Alternatively, rapid microbiological monitoring and detection is extremely challenging and developing reliable sensors has kept researcher and instrument developers busy for many decades.

This workshop will look at both current practice in chlorine monitoring for water treatment and the use and potential benefits of emerging technologies for microbiological monitoring.

Chair: Garry Tabor, ATi

- 09.30 Tea, Coffee & registration
- 10.00 Introduction, Chairman, Garry Tabor, ATi
- 10.10 Disinfection; Regulatory, Water Safety and Operational Considerations, John Haley, Yorkshire Water
- 10.40 Current status of chlorine monitoring in water, Mike Strahand, ATi
- 11.10 Consistent Measurement from Dependable Self Cleaning Sensors, Dr Verena Kuntze, Kuntze
- 11.40 Tea & Coffee
- 12.00 What is the future for new microbiological techniques in drinking water monitoring?
Robert Pitchers, WRc Plc
- 12.30 Microfluidics, Molecular Methods and Spectroscopy for the Monitoring of Waterborne Pathogens,
Helen Bridle, Heriot Watt University
- 13.00 Discussion & Lunch
- 13.45 Benefits of On-Line Detection of E.coli/ Coliforms – Case Studies, Goran Khalaf, Colifast
- 14.15 Online bacteria monitoring is possible now..., Joep Appels, Microlan
- 14.45 The ColiMinder - rapid and automated measurement of microbial water quality for monitoring and disinfection process control, Wolfgang Vogl, VWM
- 15.15 Wrap up and close
- 15.30 Optional Tour of Etihad Stadium [places are limited and assigned on a first come first served basis on booking your place at the workshop, free tour kindly sponsored by ATi]

SWIG REGISTRATION: The cost of attending the Workshop is £82.00 inc VAT for SWIG members. £149 inc VAT for non-members. £41 for students. Literature may be distributed for a fee of £62 and a limited number of table top displays are available at £118 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.