

## Future Water Sensing Technologies

2<sup>nd</sup> February 2010

The Centre (Daresbury Room)

Birchwood Park, Warrington, Cheshire, WA3 6YN. Tel 01925 282940

Location map: [http://www.meetingsatbirchwood.co.uk/pdf/park\\_directions.pdf](http://www.meetingsatbirchwood.co.uk/pdf/park_directions.pdf)

The future of sensing technology in the water sector will be ultimately determined by market need and the scope of current sensor and instrument research and development. Environmental, water and waste treatment and process industries are striving for ever higher quality standards whilst commercial and regulatory pressures are driving costs down. From April 2010, the entire UK water industry will be set new targets and new price limits within which to meet them. Process industry is also starting the long recovery from economic downturn and the environmental sector has to manage the implementation of the Water Framework Directive and react to extreme weather threats such as floods and drought, whilst driving down carbon emissions.

Sensing technology will undoubtedly play a significant role in meeting all these challenges and ongoing research in this field promises much. However, instrument manufacturers have to build systems around such sensor technology that are useable, maintainable and with a total cost of ownership that the end-user can live with, whilst ensuring their own businesses remain viable.

This event is an opportunity to discover where others see sensing technology going, to express your own views, and to contribute to a shared vision for the future.

---

**Chairman: Chris Jones, Northumbrian Water Ltd.**

09.15 Coffee & registration

09.45 Introduction

**Chris Jones, Northumbrian Water Ltd**

10.00 Technical and Strategic End User Perspectives

**Stephen Gerrard, Senior EICA Engineer, United Utilities**

10.30 Usability, Maintainability and Total Cost of Ownership

**Mark Gibson, Senior Technical Advisor, Northumbrian Water Ltd**

11.00 Tea / coffee

11.30 A European view of innovative requirements for sensors and monitoring for the water sector

**Kerry Thomas, Assoc. Director ESKTN, Chair of WSSTP Sensors & Monitoring Task Force**

12.00 The future of Fast Repetition Rate fluorometry FRRf within the water sector

**Dr Kevin Oxborough, Senior Research Scientist, Chelsea Technologies**

12.30 Product development routes in small companies. Three real world examples

**Mike Riding, Managing Director, Process Instruments**

13.00 Discussion & Lunch

14.00 Detection of trace organics in water with a novel biomimetic solid state sensor

**Nicki Randles, Modern Water**

14.30 Micro-electrode arrays and their use within sensors for the water industry

**Professor Seamus Higson, Dean of the Faculty of Medicine and Biosciences, Cranfield University**

15.00 Real-time monitoring of river water quality using in-line continuous acquisition of fluorescence excitation and emission matrices. **Darren Reynolds, Senior Lecturer Environmental Sciences, UWE**

15.30 Discussion & close

---

### REGISTRATION

The cost of attending the Workshop is £70.00 inc VAT for members of SWIG and £130 inc VAT for non-members. Literature may be distributed for a fee of £50 and a limited number of table top displays are available at £100 each. Registrations can be made by Tel: 01925 855741, email: [linda.smith@swig.org.uk](mailto:linda.smith@swig.org.uk), web: [www.swig.org.uk](http://www.swig.org.uk) using the on-line booking form. **Please advise if you have special dietary needs.**

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