

## Water Networks: Leakage and Flow Monitoring

22<sup>nd</sup> September 2010

Globe Room, Bushy House (National Physical Laboratory), Bushy Road, Teddington, Middlesex, TW11 0EB

Bushy House map: [http://www.swig.org.uk/files/cms/Bushy%20House%20location\\_1278509679.pdf](http://www.swig.org.uk/files/cms/Bushy%20House%20location_1278509679.pdf)

General Location map: [http://www.swig.org.uk/files/cms/NPL%20Directions\\_1277722256.pdf](http://www.swig.org.uk/files/cms/NPL%20Directions_1277722256.pdf)

**Limited car parking spaces available** – please advise if you require a space

The workshop will focus on monitoring the water and distribution network for managing water supply and controlling leakage from the network. Ensuring a safe and reliable supply of drinking water is a key aim for water companies. Sensors, measurement and control systems play an important part in managing the water in our distribution networks; managing leakage, warning of outages and helping to provide a reliable service to customers. The workshop will include presentations on new technology and case studies on the successful application of sensing systems and network control systems.

**Early Bird Discount: 10% discount for bookings received by 26<sup>th</sup> August.**

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Chairman: Dene Marshallsay, Artesia Consulting Ltd.

**(09.00-09.30: SWIG AGM - Members wishing to attend should arrive before 9am – all members welcome!)**

09.15 Coffee & registration

09.45 Introduction to the workshop

**Dene Marshallsay, Artesia Consulting Ltd and Phil Cooper, ESP KTN**

10.00 Sustainable Assets – The need for real time knowledge?

**Mark Worsfold, Head of Asset Strategy, OFWAT**

10.30 Trunk Mains Burst Detection – A Case Study

**Mick Merrick, Sales & Marketing Manager, Ashridge Engineering**

11.00 Tea / coffee

11.30 Leakage Detection by use of Pressure Transients

**James Shucksmith, Sheffield University**

12.00 Flow Monitoring and Uncertainty Analysis for Trunk Mains Leak Detection

**Andy Godley, Senior Consultant (Flow Measurement) & Andrew Purvey, Senior Consultant (Supply Demand Balance), WRc plc**

12.30 A Leakage Manager's View of New Sensor Technology

**Richard Chalk, Leakage Strategy Manager, Severn Trent Water**

13.00 Discussion & Lunch

14.00 Internal Water Mains Inspection

**Daniel Krywyj, Commercial Director, JD7**

14.30 An update on the Neptune Project

**Tim Door, UK Water Industry Manager, ABB**

15.00 Reliable Leakage Data through Intelligent Instrumentation

**Steven Howes, UK Level & Flow Product Specialist, Siemens Industry Automation and Drive Technologies**

15.30 Discussion & close

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### 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.