



WATER SUPPLY MONITORING

15 September 2009

Cedar Room

**Edinburgh Conference Centre, Herriot-Watt University, Riccarton,
Edinburgh EH14 4AS**

www.edinburgh-conference.com/home tel. 0131 4513115

Morning Session Water Quality Monitoring

Maintaining and further improving the already very high water quality in Scotland is a challenge. DWQR has a role as an independent regulator in ensuring that the quality of water supplied in Scotland is safe for public consumption. The public expect drinking water to be safe and of a high standard and increasingly it is necessary to ensure that the quality of the water can be demonstrated with good quality data. It is also important that the management and control systems used for water treatment and supply are able to monitor, assess and manage risks at all points throughout the water supply systems. This Workshop will review the techniques used to apply these principles and assess future needs and opportunities.

Afternoon Session Leakage Monitoring

Leakage is an issue high on the agenda for the Scottish water industry. The Water Industry Commission for Scotland has a role in ensuring that leakage levels are reduced and maintained at agreed targets in an efficient way. Managing leakage requires good quality data for quantifying the actual levels of leakage in various parts of the water supply system. Good data and information is also required for prioritizing leakage control activities on the system to ensure that leakage is controlled cost effectively. Therefore monitoring flows and pressures within District Metered Areas, the location and pinpointing of individual leaks, the logging and response to customer reported leaks, the accurate deployment of leakage control teams, all require reliable measuring and data systems. As targets are lowered and efficiencies increased, there is a need to look to innovation and new developments to add tools to expand the range of existing suite of sensors used to tackle leakage.

You may register for either the morning or afternoon sessions or for the full day. The costs for members of SWIG to attend either the morning OR afternoon sessions is £60 incl VAT, OR to attend BOTH sessions i.e. the full day is £80 incl VAT. The costs for non-members of SWIG to attend either the morning OR afternoon sessions is £90 incl VAT, OR to attend BOTH sessions i.e. the full day is £135 incl VAT. Literature may be distributed for a fee of £50 incl VAT and a limited number of table top displays are available at £100 incl VAT each. Registrations should be made using the on-line [BOOKING FORM](#) by email to info@swig.org.uk Registrations can also be made by phoning 015242 71461. Payment may be made by cheque (made payable to SWIG), debit/credit card (please phone or fax details) or BACS.

Morning Session (09.30 to 13.00 hrs) Water Quality Monitoring

Chairman: Dene Marshallsay, Artesia Consulting Ltd.

- 09.30 Registration – Tea / Coffee on arrival
- 10.00 Introduction to morning session
Dene Marshallsay, Artesia Consulting Ltd.
- 10.10 Water Safety Plans and the need for monitoring
Philip Anderson, Drinking Water Quality Regulator for Scotland
- 10.30 Scottish Waterborne Hazard Plan
Paul Hampton, Scottish Water plc
- 11.00 Tea / Coffee
- 11.30 Continuous Water Quality Monitoring Without Chemicals or Membranes. Changing Thinking about Network Operations and Risk Management
Tony Halker, Intellitect Water Ltd.
- 12.00 ChloroSense - Electrochemical determination of disinfectant residual using single-use sensors
Steve Birch, Palintest Ltd.
- 12.30 Discussion & Close of morning session followed by lunch

Afternoon Session (12.45 to 16.15 hrs) Leakage Monitoring

Chairman: Dene Marshallsay, Artesia Consulting Ltd.

- 12.30 Registration and lunch
- 13.30 Introduction to afternoon session
Dene Marshallsay, Artesia Consulting Ltd.
- 13.40 The economic regulator's interest in leakage, setting targets and monitoring delivery
David Tyler, Water Industry Commission for Scotland
- 14.10 Leakage monitoring using distributive temperature sensing
Michael Monadnos, Sensornet UK
- 14.40 Tea / Coffee
- 15.10 The application and advantages of Fixed Network Acoustic Leakage Monitoring in the water distribution network.
Mike Tennant, Halma Water Management
- 15.35 Constant vibro acoustic leak detection for the water industry
Paul Linford & Phillip Nicholls, Syrinix Ltd.
- 16.00 Discussion & Close