



Sampling issues associated with sensor measurements 26 November 2009

WRC

Frankland Road, Blagrove, Swindon, SN5 8YF

Tel 01793 865000 Location map: <http://www.wrcplc.co.uk/default.aspx?item=339>

Sampling, although often overlooked, is of fundamental importance to sensor based measurement. Without suitable sample collection or sensor positioning it is impossible, even with the best sensor technique, to make accurate and representative measurements. Often locating the sensor and pre-treating the sample to provide reliability, in addition to the requirement for accurate and representative measurement, is the biggest challenge associated with measuring waters and wastewaters. With challenging applications ranging from pressurised pipes through to highly variable wastewaters, the water sector presents some unique challenges to the measurement scientist.

This workshop will explore these and other issues and demonstrate how technology and novel thinking is being used to overcome these challenges to meet the needs of the water sector.

Chairman: [Leo Carswell, WRC.](#)

09.30 Coffee & registration

10.00 Introduction

Leo Carswell, WRC

10.15 Passive Sampling of the Water Environment

Anthony Gravell, National Laboratory Service

10.45 Development of a Relational Database Model for the Measurement and Analysis of Multi-Parameter Environmental Data Sets (Thames Estuary case study)

Jon Taylor, Titan Environmental Surveys

11.15 Coffee

11.45 Sample Preparation for Extractive and In-Situ Analysis

Andreas Kumm, Endress + Hauser Ltd.

12.15 Sampling Techniques for Process Control

Andrew Wallace, Partech Instruments

12.45 Discussion & Lunch

13.30 Sampling Hydraulic and Water Quality Parameters: How Fast Is Fast Enough?

Ivan Stoianov, Imperial College

14.00 Practical ways of enhancing sampling results in low flow drainage systems

Brian Back, Environmental Innovations Ltd.

14.30 Investigating Sources of Pollution: Microbial Source Tracking

Jonathan Porter, National Laboratory Service

15.00 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./Fax to 015242 71461 or by email to info@swig.org.uk using the on-line booking form.

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

www.SWIG.org.uk