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Optimising Control of fouling on Sensors 9th March 2016

Northern Design Centre, Baltic Business Quarter, Abbots Hill, Gateshead NE8 3DF

Fouling is a common problem which can effect sensors in any location including sewers, waste water treatment works, the environment, water treatment works and cooling water circuits. There are many different types of fouling depending on the location and liquid, e.g. fats, mineral deposits or biological growth, and each can create different maintenance requirements. This workshop will look at the effect of fouling on water sensors and the various strategies to control it which can be used to extend sensor life and maintain accurate measurements.

Chairman: **Andrew Chappell, Environment Agency**

09.45 Tea, Coffee & registration

10:15 Introduction, Chairman, **Andrew Chappell, Environment Agency**

10:20 Introduction to the DNN, **Terry McStea, Design Network North**

10:30 Fouling: the water industry perspective, **Chris Jones, Northumbrian Water Ltd**

10:55 Extended Marine Monitoring in a Challenging Environment, **Wesley Irving, Environment Agency**

11.10 Tea & Coffee

11:40 Fouling and the impact on sensor performance. **Darren Hanson, Xylem**

12:05 Antifouling strategies for sensors in the aquatic environment, **Dr Ciprian Briciu, Dublin City University**

12:30 Fouling solutions: Sales, Marketing & Expectations. **Paul Norman, Partech**

12:55 Discussion & Lunch

14:00 How a Farmer's innovative filtration pump helps reduce analyser maintenance. **Jim Hosford, Rotorflush**

14:25 Direct Contact Electrode Sensors: Ways to Minimize Fouling Using Diamond Electrodes.
Prof Julie MacPherson, Warwick University

14:50 Discussion & Close

SWIG REGISTRATION: The cost of attending the Workshop is £84.00 inc VAT for SWIG members. £153 inc VAT for non-members. £42 for students. Literature may be distributed for a fee of £64 and a limited number of table top displays are available at £122 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.