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State of the art of wastewater monitoring

4th July 2018
ABB, Stonehouse

With the development of the water industry into new ways of working such as advanced control of the wastewater system from network to treatment to river and concepts such as the Internet of Things there is a need for instrumentation to provide the data underpinning the whole concept of Water 4.0.

In this SWIG workshop on the “State of the art of wastewater monitoring” we will look into some of the ways that current and new types of instrumentation can be used to support the digitisation of the Wastewater Industry.

Chair: Oliver Grievson, SWIG

09.30 Tea, Coffee & registration

10.00 Introduction by the **Chairman, Oliver Grievson, SWIG**

10.10 Reliable precipitation data for decision support and network optimisation **Matt Ellison, OTT Hydrometry**

10.40 Free surface flow measurement. **Andy Nichols, University of Sheffield**

11.10 Tea & Coffee

11.30 High Resolution Pressure Monitoring of Rising Mains. **Lorenzo Pompa, Anglian Water & Mark Hendy, Syrinix**

12.00 Managing the quality of data from sensors to drive high quality outcomes from data analysis engines **Dr John Gaffney, ABB**

12.30 Discussion & Lunch

13.30 A water intelligence system for greater insights into WWT plant performance. **James Davie, Hach**

14.00 Real-time inline BOD/COD; a step-change in technology to provide load-based control within WWTWs **Rob Stevens, R S Hydro**

14.30 Feed forward/Feedback load-based control of the Activated Sludge Process. **Michael Dooley, Strathkelvin**

15.00 Discussion

15.20 Close

SWIG REGISTRATION: The cost of attending the Workshop is £92.00 inc VAT for SWIG members. £166 inc VAT for non-members. £21 for students. Literature may be distributed for a fee of £69 and a limited number of table top displays are available at £132 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.