

Instrumentation Based Control Systems in the Water Industry **29 January 2020**

National Railway Museum, Leeman Rd, York YO26 4XJ

As the Water Industry heads towards the next Asset Management Period it is, more than ever, having to deliver more for less, delivering efficiencies and optimisation. In the meantime the industry is heading in the general direction of a Digital Transformation and Water 4.0. There are a huge swathe of technologies that have been developed but not necessarily delivered as they were ahead of their time. In this workshop on Instrumentation Based Control Systems we will look at some of the innovations that have been developed in the past and some of the innovations coming and look at case studies at where they have already been implemented.

09:30 Tea, Coffee & registration

10:00 Introduction by the Chairman. **Oliver Grieveson, Z Tech Control Systems**

10:10 Instrumented Control Systems AMP6 Vs. AMP7 – Challenges With Network Deployments.

Danny O'Connor – United Utilities

10:40 Real-Time Control in practice – Case Studies from Thames Water & Veolia. **Martin Butterfield, Hach**

11:10 Tea & Coffee

11:40 Benefits of optimisation throughout the Water Recycling network system.

Lorenzo Pompa, Anglian Water

12:10 Multi-parameter instrumentation-based systems for wastewater treatment control.

Rob Stevens, RS Hydro

12:40 Discussion & Lunch including SWIG AGM

14:00 Advanced data analysis in the water industry. **David Brydon, Blackwell Consulting**

14:30 Microbial Activity Monitoring – **Jamie Duncan, QCL**

15:00 Organic Load & Toxicity Monitoring with BES - Opportunities for Process Control.

Martin Spurr, Newcastle University

15:30 Discussion & close

REGISTRATION: The cost of attending the Workshop is £95.00 inc VAT for SWIG members. £171 inc VAT for non-members. £22 for students. Literature may be distributed for a fee of £71 and a limited number of table top displays are available at £136 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.