



Advanced Control & Energy Optimisation in the Water Industry

7th December 2010

Lecture Theatre, Daresbury Laboratory, Daresbury Science & Innovation Campus, Keckwick Lane, Daresbury, Cheshire, WA4 4AD

The water industry has seen significant change over the last 20 years and seeks to use instrumentation technology to help it face the challenges ahead. Control and Automation have made good progress but there is scope to look to other sectors for inspiration in terms of what might be achieved. Water companies seek to model and understand the environment to enable informed operations and to pre-empt conditions that might affect service. Sensors are becoming increasingly reliable and more available. Being passionate about customer service and experience is something that sensing and control can help with. Seeking to control processes is also entering into a new generation with performance prediction and control now becoming a reality. As well as savings in energy and chemicals, systems enable reliability and, importantly, a high level of confidence that standards are being achieved. Process recovery and customer liaison are additional areas that sensing and control can help with. Knowing the areas affected by incidents, such as low pressure or surface flooding, can help to deploy resource appropriately and to keep affected customers aware of progress.

Early Bird Discount: 10% discount for bookings received by 12th November

Chairman: Steve Whipp, Head of Innovation, United Utilities.

09.00 Coffee & registration

09.30 Introduction to the workshop – What are we monitoring and why?
Steve Whipp, Head of Innovation, United Utilities

10.00 Opportunities and Challenges in the Water Industry
Chris Jones, SWIG Chairman and R&D Manager, Northumbrian Water Limited

10.30 The 'Dashboard' Journey – Sensing & Monitoring in the Future
David Stow, Water Telemetry Design Authority, United Utilities

11.00 Tea / coffee

11.30 Meeting the Carbon Reduction Commitment with Variable Speed Drives
Nick Brown - Energy Appraisal Manager, ABB Ltd

12.00 Optimised Modulation of Pump Pressures to Minimise Energy
Andrew Burrows, Chief Technology Officer, i2O Water

12.30 Energy Reduction: Optimisation of Abstraction Systems
Andy O'Rourke (Mechanical Engineer) & Iain Ashcroft (Director), Projective Limited

13.00 Networking & Lunch

14.15 Advanced Control – Past, Present, Future
Simon Mazier, Business Development Manager, Perceptive Engineering Ltd

14.45 Implementation of Advanced Technology
Nigel Hall, Managing Director, Peak42 Limited

15.15 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: 01925 855741, email: linda.smith@swig.org.uk, web: www.swig.org.uk using the on-line booking form. **Please advise if you have special dietary needs.** Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.