

## Urban Catchments: Sensors for Regulatory Compliance

12<sup>th</sup> May 2011

Cropston Visitor Centre (Severn Trent Water), Bradgate Rd, Cropston, Leicestershire, LE7 7GB

Tel: 0116 234 1275

**Location map:** [http://www.swig.org.uk/files/cms/Cropston%20Visitor%20Centre%20directions\\_1266246221.pdf](http://www.swig.org.uk/files/cms/Cropston%20Visitor%20Centre%20directions_1266246221.pdf)

Urban water systems are currently the subject of much interest in the light of new initiatives and the move towards integrated water management. In respect of urban sewerage systems there is considerable interest in exploring how our traditional below ground drainage systems and their interaction with receiving waters may be better optimised to reduce flooding and pollution incidents. Similarly there is a move towards the freedom to introduce variable consents for catchment systems, thereby affording the opportunity for near real time control of systems. This change is reflected in EU and government initiatives, for example the EU Water Framework Directive and the Floods and Water Management Bill with the need to meet the drivers including climate change, floods and drought, energy, carbon, system deterioration and human health issues. These create significant new and exciting challenges for the UK Water Industry. This has seen the need to improve the understanding of system performance with the development of new instruments and sensors, the introduction of new monitoring strategies and the development of new operational and management tools. This workshop will report on such developments.

**Early Bird Discount: 10% discount for bookings received by 15<sup>th</sup> April**

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**Chairman: Adrian Saul, Pennine Water Group, Sheffield University**

09.30 Coffee & registration

10.00 Introduction to the workshop

**Adrian Saul, Pennine Water Group, Sheffield University**

10.15 21<sup>st</sup> Century Technologies for Urban Wastewater Catchments

**Dave Singerton, Innovation Projects Manager, Anglian Water Services**

10.45 Sustainable Drainage – Fit and Forget or Inspection or Sensors?

**David Fortune, Head of Research & Innovation, MicroDrainage**

11.15 Tea / coffee

11.45 City RainNet KTP research project: improving rainfall intensity measurements in urban areas using radar

**Rod Hawnt, Managing Director, Hydro-logic**

12.15 Intelligent Low Power Level Sensor Development

**Keith Flint, Sales & Marketing Director, Pulsar Process Measurement**

12.45 A Low Power Wireless Sensor Network for Gully Pot Monitoring in Urban Catchments

**Chan See, Research Assistant, Mobile Satellite Communications Research Centre, University of Bradford**

13.15 Networking & Lunch

14.15 Future sewerage monitoring needs – linking strategic vision with operational needs – a WaPUG view

**Ian Lang or Chris Digman, WaPUG**

14.45 Detailed above ground and river flow modelling for urban flood risk

**Rob Lamb, Chief Scientist, JBA Consulting**

15.15 Discussion & close

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### REGISTRATION

The cost of attending the Workshop is £75.00 inc VAT for members of SWIG and £135 inc VAT for non-members. Literature may be distributed for a fee of £55 and a limited number of table top displays are available at £105 each. Registrations can be made by Tel: 01925 855741, email: [linda.smith@swig.org.uk](mailto:linda.smith@swig.org.uk), web: [www.swig.org.uk](http://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.