

Data Visualisation & Interpretation

21st November 2012

Chateau Impney Droitwich Spa, WR9 0BN

The collection, management and use of data is increasingly important for environmental monitoring, water and sewage networks and treatment processes. The amount of data collected seems to be ever increasing, therefore the workshop will aim to include presentations covering the big data issues: data volume (capture, storage, search, sharing analysis); data analysis (approaches, techniques, data mining, big data analytics); data visualisation (spatial, temporal, data interface, multiparameters, whole systems approach) and data use for systems management and performance.

This workshop includes speakers from a variety of disciplines and backgrounds, with the aim of transferring knowledge and inspiring alternate ways of using and visualising data.

Chair: Dene Marshallsay, Artesia Consulting.

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| 09.30 | Coffee & registration |
| 10.00 | Introduction
Dene Marshallsay, Artesia Consulting and Darren Reynolds, UWE |
| 10.10 | Landscape-scale monitoring: techniques for managing time-series data from distributed sensor networks
Simon Browning, RS Hydro |
| 10.40 | Joining the dots: A roadmap for incremental delivery of data visualisation
Chris Burton, SCISYS |
| 11. 10 | Coffee |
| 11:30 | Predictive Diagnostics for Early Fault Detection
Simon Mazier, Perceptive Engineering |
| 12:00 | Visualisations for Operation. Learning from other industries for integrated performance, leak management, pressure management and weather
Steve Beadle, Technical Director, Schneider Electric – Industry Solution Centre |
| 12:30 | Discussion & Lunch |
| 13:30 | Visualising complex data sets
Professor Chris Brunsdon, School of Environmental Sciences, Liverpool University |
| 14:00 | Analytical Quality Control (AQC) data manipulation, charting and regulatory compliance reporting - new software developed with South West Water
Keith Huxford, CSols |
| 14.30 | A statistical viewpoint – Real Insight versus Pitfalls, Trapdoors and Banana Skins
Keith Ponsonby, Statistician, Callidus |
| 15.00 | Complete Data Collection, Management, Modelling and Visualisation. A look at the powerful end-to-end solutions in use in the water industry today, and a glimpse into tomorrow
Matt Dibbs, Meteor Communication |
| 15:30 | Discussion & close |

REGISTRATION: The cost of attending the Workshop is £78.00 inc VAT for members of SWIG and £140 inc VAT for non-members. Literature may be distributed for a fee of £60 and a limited number of table top displays are available at £110 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.