



EV 25th Oct 2010

**The Wastewater Planning Users Group
CIWEM's Urban Drainage Group**

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THE WASTEWATER AND URBAN DRAINAGE CONFERENCE

**What does the future hold?
The next 5 years**

**November 10th – 12th 2010
The Hilton Hotel, Blackpool**

The aim of this conference is to give delegates a flavour of the challenges faced by urban drainage practitioners in delivering significant capital and operational investment programmes over the next 5 years, for both water companies and Local Authorities. These challenges include the drive for efficiencies, innovation, system optimisation and operation, accounting for carbon, climate change and collaborative working, all topics that will be covered by the conference.

Sponsors

**Clear Detectronic EnginSoft FlowWorks FWR Hydro IETG
JBA Consulting Mott MacDonald MWH MWH Soft OnSite Optimise
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If you would like details of the standard sponsorship package for this event please contact Lauren Goozee at CIWEM on lauren@ciwem.org or ring her at 0207 831 3110

Please forward to colleagues who are likely to be interested

The Wastewater and Urban Drainage - What does the future hold? The next 5 years
WaPUG Conference Nov 10-12th Blackpool

Introduction

The aim of this conference is to give delegates a flavour of the challenges faced by urban drainage practitioners in delivering significant capital and operational investment programmes over the next 5 years, for both water companies and Local Authorities. These challenges include:

- **Drive for efficiencies** – Water Companies are under higher pressures than ever before to deliver programme efficiencies across the board. All stakeholders will be required to maximise outputs, reduce costs and deliver increased value throughout the design and construction process. Modelling plays a key role in delivering this value in the planning and solution development process.
- **Innovation** – This will be an essential tool in delivering efficiencies through advances in technology, smarter processes and better use of modelling and data gathering techniques.
- **System optimisation and operation** – managing risk in the urban drainage system is not just constructing newer larger assets; smarter management of the system and better use of modelling and associated disciplines provides an opportunity to improve serviceability rather than more capital expenditure.
- **Accounting for Carbon** – Increasingly, schemes are being measured in terms of carbon cost, and the conference will look at how this is beginning to influence decisions for urban drainage practitioners.
- **Climate Change** – In order to plan for the future, we must accurately consider changes in rainfall patterns over time. Research is continuously moving forward in this field and modelling plays a key role in understanding the impacts on system performance and design.
- **Collaborative Working** – Larger number of stakeholders are involved in the management and design of urban drainage systems. Delivery of efficiencies, innovation and optimised solutions will only be achieved by all stakeholders working together. Surface Water Management Plans and AMP5 Design and Build arrangements lead the way in showing how this can be achieved.

The objectives of the meeting will be to explore the key challenges facing the water industry over the next 5 years, and explore how urban drainage practitioners will meet these, particularly in the context of modelling and system management. The conference will:

- Inform delegates of the key messages and challenges faced through case studies including integrated modelling, water quality modelling, surface water management plans and improved system operation.
- Describe the latest technical developments, areas of research and innovations in urban drainage studies, including data acquisition, modelling, sustainable design, optimisation and asset management techniques.
- Provide a forum for delegates and stakeholders to influence the development of future methods and procedures, and to understand how these challenges will be met.

Programme

Wednesday 10th November 2010

17.30 **Registration & Exhibition**

18.00 – 19.30 **WaPUG Research Group – Feedback from the July overland flow & flood risk workshops:
Determine future steps** **Beaufort Room** **Graham Squibbs** **United Utilities & Jamie Margetts** **Clear**

20.00 **Pre-conference dinner – Hotel Restaurant**

Thursday 11th November 2010

08.00 Registration and refreshments with Exhibition in Queens Suite

09.15 **Welcome** Chairperson: **Gerard Morris** President of CIWEM & Environment Agency

9.15 **Session 1 What Does the Future Hold? – The Next Five Years**

9.20-9.45 Paper 1 **Keynote Speaker - Innovation - The Way Forward Ian Noble**
Operations Director Optimise

9.45 – 10.10 Paper 2 **Climate Change Brian Morrow** United Utilities plc

10.10 – 10.35 Paper 3 **Carbon Bob Stear** Severn Trent

10.35 – 11.00 Paper 4 **Urban Water Management in Australia Tony Weber** eWater CRC
National Practice Leader – Water Quality for BMT WBM

11.00 -11.30 Refreshments and Exhibition in Queens Suite

11.30 – 12.45 **Session 2 How to Implement the New Legislation** Chairperson: **Fola Ogunyoye**
Chair CIWEM Rivers and Coastal Group and Royal Haskoning

11.30 - 11.55 Paper 5 **SUDS & Roads Neil McLean** SEPA

11.55 - 12.20 Paper 6 **National Sustainable Drainage Standards Nick Orman** WRC

12.20 - 12.45 Paper 7 **Local Authority - Capacity building James Levesconte** Halcrow

12.45 - 14.15 Lunch in Hotel First course - Restaurant
Sweet course & refreshments in the Exhibition – Queens Suite

14.15 - 15.30 **Session 3 Case Studies** Chairperson: **James Hale** Clear

14.15 - 14.40 Paper 8 **A Summary of Challenges and Solutions for Delivering 33 SWMPs**
Michael Arthur Capita Symonds

14.40 - 15.05 Paper 9 **Using ICM Modeling to Fully Understand the Problem**
Bob Fleming MWH

15.05 – 15.30 Paper 10 **SWMP - When Modeling isn't the Answer**
Martin Osborne Mouchel

15.30 – 16.00 Afternoon Refreshments and Exhibition in Queens Suite

16.00 – 17.00 **Workshop 1 – Lidar** Leader: **Alastair Moseley** WSP Environmental
Workshop 2 – Flow Survey Leader: **Phil Dyke** MWH/Optimise
Workshop 3 – Climate change – impacts on rainfall and urban flooding
Leader: **Murray Dale** Halcrow

17.00– 18.30 **Exhibition**

19.30 **Conference Dinner** followed by the WaPUG Event in the Royal Suite

Friday 12th November 2010

09.00 - 10.15 **Session 4 Integrated Solutions** Chairperson: **Adam Davies** Hyder Consulting Ltd

9.00 - 9.25 Paper 11 **Application of Integrated WQ Modeling for Efficient Management of WQ in River Irk with Cost Effective Investment**
Gemma Manache MWH/United Utilities

9.25 - 9.50 Paper 12 **WFD Taking the Next Step Forward in Joined Up Thinking** **Ed Bramley** Yorkshire Water

9.50 -10.15 Paper 13 **Flood Hazard Quality Assessment for the central business district of Auckland**
Andy Gibson AECOM

10.15 - 11.00 Refreshments and Exhibition Queens Suite

11.00- 12.15 **Session 5 Operational Issues** Chairperson: **Neil Scarlett** IETG

11.00 - 11.25 Paper 14 **Best Management Practice for Blockage Reduction** **Jonathan Cutting** Mouchel
Nathan Muggeridge Mouchel / Asset Solutions Consulting Ltd

11.25 - 11.50 Paper 15 **Live Data for Live Models to Aid Ops Decisions** **Ian Small** Mott MacDonald

11.50 - 12.15 Paper 16 **Just In Time Operational Management** **Chris Digman** MWH

12.15 – 13.00 **WaPUG Forum**

13.00 Lunch in Hotel Restaurant

