

UDG Autumn Conference & Exhibition 2016

Embedding best practice and integrating innovation into Urban Drainage Management



PROGRAMME

Wednesday 9th November

15.30 - 19.30	Registration
16.00 - 19.00	UDG Research & Development Workshop – UDG Modelling Code of Practice Update. Chair: Chris Digman, MWH
19.00 - 21.00	Evening meal

Thursday 10th November

08.15 - 09.00	Registration and coffee
09.00 – 09.05	Welcome/Housekeeping
09.05 - 09.30	Keynote by Malcolm Horne – Head of Asset Management, Severn Trent Water

09.30-10.45 Session 1: Strategic Modelling Programmes **Chair: Gwion Kennard, Atkins**

Paper 1	Thames Water Drainage Strategy Plans, Principle 1 Partnership & Stakeholder Engagement	Andrew Western James Hoare	MWH Atkins
Paper 2	The Contribution of Sustainable Drainage Plans to DCWW's Outcome Delivery	Rhona Kirkham Paul Grabham	RPS Dwr Cymru
Paper 3	Integrated Delivery to Provide Stakeholder Benefit - Anglian Water Integrated Urban Drainage Programme	Paul Brayshaw Russ Wilkes	Atkins RPS
10.45-11.15	Coffee/Exhibition		

11.15-13.00 Session 2: Managing Modelling Risk. **Chair: Dave Stewart, Torbay Council**

Paper 4	Are models too conservative leading to over designed solutions?	Ed Gower	Black & Veatch
Paper 5	Strategic Growth Planning – Proactively Managing Uncertainty	Alan Wisdich John Barnes	Atkins EnginSoft
Paper 6	Development of a Rapid Response Operational Management System.....	Paul Taylor	Intertek
Paper 7	Update on SRM Structural Design of Sewer Renovation Systems	Zac Alexander	WRc Plc
13.00-14.00	Lunch/ Exhibition		

14.00-15.40 Session 3: Understanding Inflow and Infiltration. **Chair: Ed Bramley, Yorkshire Water Services**

Paper 8	Innovation in the Monitoring, Modelling & Management of Inflow and Infiltration.	Jonathan Cutting Kieran Williams	Mouchel EM-Solutions
Paper 9	Identifying & Addressing Groundwater Infiltration to Sewers	Richard Andrews Graham Purvis	MWH Southern Water
Paper 10	Improved Modelling of Infiltration Flows	Martin Osborne	Mouchel
15.15–15.40	<i>Awarding of the annual 'WaPUG' Prize – UDG AGM</i>	Elliot Gill	CH2M Hill
15.40-16.15	Coffee/Exhibition		

16.15 - 17.45**Workshops**

Workshop 1

The Future of Flow Surveys.....

Chair: Jonathan Cutting, Mouchel

Planning a Flow Survey,
 Comparison of Monitoring Standards
 in the UK, USA & Australia/New Zealand,

Martin Allitt, RAA Ltd
 Peter Stephens & Charles Wilson
 Mott MacDonald

Workshop 2

Understanding Uncertainty in Urban Drainage Modelling

Chair: Simon Tait, University of Sheffield

Quantifying Uncertainty in Integrated
 Catchment Modelling
 Uncertainty Propagation in Urban Drainage
 Modelling: a tool for environmental decision
 making

Ambuj Sriwastava & Simon Tait
 University of Sheffield
 Arturo Torres, Luxembourg Inst
 of Science & Technology

Workshop 3

Urban Drainage Modelling & Asset Management

Chair: James Hale, RPS

Catchment Area Analysis for DSEAR Risk
 Predicting Outcomes-PondSim Consequence
 Modelling & Sewer Rehabilitation
 Use of Pressure Logging to Understand &
 Improve Rising Main Performance

Mofazzal Syed, Pick Everard
 Calum Duncan, RPS
 Geoff Ball & Andrew Warren, Severn Trent
 Glyn Addicott, Hydraulic Analysis Ltd

19.15

Seats for Conference Dinner -

21.30

Local Evening

Friday 11th November

08.45- 09.10

Registration and Coffee

09.10-11.00**Session 4: Optimising Model Use.****Chair: Adam Cambridge, Atkins**

Paper 11

Toronto Wet Weather Flow Project – The challenge of interceptors, tunnels & infoworks

Claire Watson

Black & Veatch

Paper 12

Early Warning System Applications at Thames Water

Pascal Lang

Thames Water

Paper 13

CENTAUR: Real Time Flow Control System for Flood Risk Reduction

Will Shepherd,
Sonja OstojinSheffield Uni
EM-Solutions

Paper 14

Smart Real-time Control of Water Systems

Lisbeth Birch
Pederson

DHI, Denmark

***Please note to mark Armistice Day there will be a 2
 minutes silence at 11am***

11.05-11.30

Coffee/Exhibition

11.30 – 13:00**Session 5: Insights from Around the UK.
 (15 minute mini papers)****Chair: James Hale, RPS Group**

Paper 15

Modelling 3D Structures – Filey, North Yorkshire

Rachael Albrighton

RAA Ltd

Paper 16

The Challenge of Source Apportionment on the Largest Coastal Investigation in Wales' History

Richard Brown

Arup

Paper 17	Rapid Assessment Models for Section 16 Assessments	Fergus Graham Iain McLachlan	RPS
Paper 18	Together we can be Sustainable.	Gwen Rhodes Martin Kennedy	MWH NWG
Paper 19	Integrating Water & Wastewater Planning	Geoff Keam	Atkins
13.00-14.00	Lunch		
14.00 - 15.40	Session 6 Modelling Case Studies.		
	Chair: Phil Hulme, Environment Agency		
Paper 20	Using an Integrated Hydraulic Model to Identify Residual Surface Water Flood Risks alongside the Leeds Flood Alleviation Scheme	Llew Hancock Paul Davies	Arup
Paper 21	TwoD (Runoff) or not TwoD (Runoff)-That is the question	Martin Allitt	RAA Ltd
Paper 22	How to Build the Biggest Hydraulic Model in the World	Alastair Hall Charlotte Hunt	RPS
Paper 23	CSO Discharge Tracking & Trending – United States Experience	Srini Vallabhaneni	MWH Global
15.40	Presentation of the Adam Dean Award		
15.45-16.00	Closing comments Presentation of the Best Presentation Prize		