



Eighth International Conference on
Computing and Control for the Water Industry

CCWI 2005

'Water Management for the 21st Century'

FINAL PROGRAMME

University of Exeter, UK
5 - 7 September 2005

SEAMSI

DHI
Water & Environment SE Asia

ADVANTICA

SPEAKERS

BOB BATY, OBE
Chief Executive, South West Water, UK

PROFESSOR JOHN BANYARD, OBE
formerly Director of Asset Management,
Severn Trent Water, UK

ALLAN LAMBERT
Consultant, International Leakage Management
Support Systems Ltd

DAVID FORTUNE
Director of Product Management,
Wallingford Software



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SOUTH WEST WATER

The eighth in the CCWI series of biennial conferences organised by the universities of Brunel, De Montfort, Exeter and Imperial College. Focusing mainly on water systems modelling and control this conference aims to bring together leading experts from academia and industry.



ice
Institution for Civil
Engineers

IWA
International Water
Association



CCWI2005 FINAL PROGRAMME

Day 1: Monday 5 th September 2005				
08:00 - 09:30	Registration and Coffee			
09:30 - 10:00	Welcome by the Vice Chancellor of Exeter University, Prof S Smith and Formal Opening of the Conference by Mr R J Baty, OBE, Chief Executive of South West Water			
10:00 - 10:40	Plenary Invited Lecture 'The Changing Role of Computer Systems in Water Management - a Supplier's Perspective' by Mr D. Fortune, Director of Product Management, Wallingford Software Ltd, UK			
10.40 - 11.10	Coffee			
11.10 - 12.50	<i>Parallel Session 1</i> Asset Management 5 papers	<i>Parallel Session 2</i> Operations Mgt 5 papers	<i>Parallel Session 3</i> Data Management, Calibration & Monitoring of WDS 4 papers	<i>Parallel Session 4</i> Steady-state and Transient Analysis, Modelling and Simulation 5 papers
12:50 - 14:30	Lunch			
14:30 - 15:30	<i>Parallel Session 1</i> Asset Management 3 papers	<i>Parallel Session 2</i> Operations Mgt 3 papers	<i>Parallel Session 3</i> Data Management, Calibration & Monitoring of WDS 3 papers	<i>Parallel Session 4</i> Steady-state and Transient Analysis, Modelling and Simulation 3 papers
15:30 - 16:10	Tea			
16:10 - 17:10	<i>Parallel Session 1</i> Asset Management 3 papers	<i>Parallel Session 2</i> Operations Mgt 3 papers	<i>Parallel Session 3</i> Data Management, Calibration & Monitoring of WDS 3 papers	<i>Parallel Session 4</i> Steady-state and Transient Analysis, Modelling and Simulation 3 papers
18:30 - 19:30	Software Presentation by Wallingford Software Ltd, Peter Chalk Centre.			
19.30	Conference Barbeque, Streatham Campus, University of Exeter			

Day 2: Tuesday 6 th September 2005				
09:00 - 09:40	Plenary Invited Lecture 'Practical Approaches to Modelling Leakage and Pressure Management in Distribution Systems' by Mr A Lambert, International Leakage Consultant			
09:50 - 10:50	<i>Parallel Session 1</i> Planning, Optimisation and Decision Support Methodologies 3 papers	<i>Parallel Session 2</i> Data Management, Calibration & Monitoring of WDS 3 papers	<i>Parallel Session 3</i> Steady-state and Transient Analysis, Modelling and Simulation 3 papers	
10:50 - 11:30	Coffee			
11:30 - 12:50	<i>Parallel Session 1</i> Planning, Optimisation and Decision Support Methodologies 4 papers	<i>Parallel Session 2</i> Demand, Resource & Loss Management & Forecasting 3 papers	<i>Parallel Session 3</i> Steady-state and Transient Analysis, Modelling and Simulation 3 papers	
12:50 - 14:30	Lunch			
14:30 - 15:30	<i>Parallel Session 1</i> Planning, Optimisation and Decision Support Methodologies 3 papers	<i>Parallel Session 2</i> Demand, Resource & Loss Management & Forecasting 3 papers	<i>Parallel Session 3</i> Water quality modelling, Performance, Security & Reliability 3 papers	
15:30 - 16:10	Tea			
16:10 - 17:10	<i>Parallel Session 1</i> Planning, Optimisation and Decision Support Methodologies 3 papers	<i>Parallel Session 2</i> Demand, Resource & Loss Management & Forecasting 3 papers	<i>Parallel Session 3</i> Water quality modelling, Performance, Security & Reliability 3 papers	
19.30	Gala Dinner, Streatham Campus, University of Exeter			

CCWI2005 - Day 3: Wednesday 7th September 2005

09:00 - 10:00	Plenary Invited Lecture 'Water for the World - Why is it so Difficult?' by Mr J K Banyard, OBE, formerly Director of Asset Management, Severn Trent Water Ltd., UK			
10:10 - 11:10	<i>Parallel Session 1</i> Planning, Optimisation and Decision Support Methodologies 3 papers	<i>Parallel Session 2</i> Urban Drainage & Data Management, Calibration & Monitoring of WDS 3 papers	<i>Parallel Session 3</i> Demand, Resource & Loss Management & Forecasting 3 papers	<i>Parallel Session 4</i> Water quality modelling, Performance, Security & Reliability 3 papers
11:10 - 11:30	Coffee			
11:30 - 12:50	<i>Parallel Session 1</i> Urban Drainage & Data Management, Calibration & Monitoring of WDS 3 papers		<i>Parallel Session 2</i> Demand, Resource & Loss Management & Forecasting 3 papers	<i>Parallel Session 3</i> Water quality modelling, Performance, Security & Reliability 4 papers
12:50 - 13.10	Plenary Session, Conference Review and Formal Closure			
13.10 - 14:30	Lunch			

Registration

If you would like to register for the conference please complete the Registration Form which is available at <http://www.ex.ac.uk/ccwi2005/registration.htm>

Registration

Registration	Deadline	Fee
Students - Early Registration	By 1st June 2005	£240
Students - Late Registration	By 1st July 2005	£290
Author - Early Registration	By 1st June 2005	£340
Author - Late Registration	By 1st July 2005	£390
Full - Early Registration	By 1st June 2005	£440
Full - Late Registration	By 1st July 2005	£490
Registration after 1st July 2005	Subject to availability	£490

The above registration fees include a bound copy and a CD of the conference proceedings, daily lunches, BBQ on 5th September and a Gala Dinner on 6th September 2005. Places are limited.

Location

The CCWI2005 International Conference will be held in Peter Chalk Centre **Streatham Campus**, University of Exeter, The Queen's Drive, Exeter, Devon, UK, EX4 4QJ.

Exeter is an historic city in the picturesque South West of England. The city was founded by the Romans almost two thousand years ago making it one of the oldest cities in England. The administrative centre for the County of Devon, Exeter is also famous for its Cathedral, its medieval buildings and ancient port and enjoys a maritime climate with fine and mild weather in September.

More information is available at <http://www.ex.ac.uk/ccwi2005/location.htm>

Accommodation

Limited accommodation is available on the Streatham Campus in the University of Exeter. Accommodation should be booked by 1st July 2005 to avoid disappointment. To reserve a room on the Streatham Campus, please download and complete all sections of the Accommodation Form available at <http://www.ex.ac.uk/ccwi2005/Accommodation Form.doc> and fax to the Centre for Water Systems, University of Exeter, Fax No +44 (0)1392 263646.

All campus accommodation will be confirmed by email upon receipt of full payment by credit card.

More information is available at <http://www.ex.ac.uk/ccwi2005/accommodation.htm>

Travel

Directions, maps and travel details can be seen at <http://www.ex.ac.uk/ccwi2005/Howtofindus.htm>



International Scientific Committee

Ian Goulter	Charles Sturt University, Australia	Fernando Martinez Alzamora	Universidad Politécnica de Valencia, Spain
Allan Lambert	Consultant, International Leakage Management Support Systems Ltd	Manuel Malafaya-Baptista	University Fernando Pessoa, Portugal
Petr Ingeduld	DHI Hydroinform, Czech Republic	Graeme Dandy	University of Adelaide, Australia
Michele Prevost	Ecole Polytechnic Montreal	Angus Simpson	University of Adelaide, Australia
Tom Walski	Haestad Methods, USA	Kevin Lansey	University of Arizona, USA
Dimitri Solomatine	IHE Delft, Netherlands	Marko Ivetic	University of Belgrade, Serbia & Montenegro
Nam Sik Park	Korea	Ezio Todini	University of Bologna, Italy
Paul Boulos	MWH Soft, USA	James Uber	University of Cincinnati
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Jakobus Van Zyl	RAU, South Africa	Bruno Brunone	University of Perugia, Italy
Thomas Melin	RWTH Aachen, Germany	Alain Mailhot	University of Quebec, Canada
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Tiit Koppel	Tallin Technical University, Estonia	Slobodan Simonovic	University of Western Ontario, Canada
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Avi Ostfeld	Technion, Israel		

Technical Committee

Bogumil Ulanicki	De Montfort University	Nigel Graham	Imperial College
Bryan Coulbeck	De Montfort University	Kala Vairavamoorthy	Loughborough University
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David Butler	Imperial College		

Local Committee

Peter Dempsey	Met Office	Murray Dale	Halcrow Group
Sarah Adam	University of Exeter	Wendy Allen	University of Exeter
Roger King	University of Exeter	Dragan Savic	University of Exeter
Soon-Thiam Khu	University of Exeter	Godfrey Walters	University of Exeter



Conference Email: ccwi2005@ex.ac.uk
 Conference Website: <http://www.ex.ac.uk/ccwi2005>