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## CIWEM Urban Drainage Group

### ***International Conference and Workshop – Urban Drainage in Asia Pacific – Modelling and Challenges Co-located with the Singapore International Water Week (1 – 5 June 2014)***

**Thursday 5<sup>th</sup> June 2014 – Marine Barrage - Courtyard Room and Gallery Suite**

This inaugural event for the Chartered Institute of Water and Environmental Management Singapore Branch is a co-located event with Singapore International water week and is a joint event with CIWEM Urban Drainage Group and supported by PUB.

The conference will focus on novel techniques to understand urban hydrology and how pollution and flooding can be mitigated against using a range of strategies from improved infrastructure to source control and education. It will focus on best practice from experts in Asia/Pacific, covering both storm water and wastewater management themes. The conference will be of interest to those involved in all aspects of Urban Drainage as can be ascertained from the diversity of organisations that are providing speakers.

Registration and coffee will be available from 8.15am and the formal presentations commence at 9am. The day will finish around 5.00pm.

The delegate fee is just S\$80 for CIWEM members and members of supporting organisations and S\$100 for non-members. This includes delegate pack, lunch and refreshments. Early booking is advised as this event qualifies for 6 hours of CPD.

For booking/reservation enquiries please contact Katherine Dai: [katherine@iesnet.org.sg](mailto:katherine@iesnet.org.sg)

For event enquiries please contact Tom Beskeen: [tom.beskeen@mottmac.com](mailto:tom.beskeen@mottmac.com)

This event has been kindly sponsored by:





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## Thursday 5<sup>th</sup> June 2014 – Marine Barrage - Courtyard Room and Gallery Suite Programme

08:15 *Registration and Coffee*

- **09:00 – 10.45 Session 1: Local flood risk mitigation through modelling** *Chair: Chris Boshier, Mitsui*

Paper 1	The Development of a Sewer Model for Singapore	James Lau, PUB / Black & Veatch
Paper 2	10 years of coupled hydrology hydraulic modelling supporting stormwater management in Europe and Asia-Pacific region: some examples, lessons learnt and a look forward	Ole Larsen, DHI
Paper 3	A Source Control Approach to an Intensively Developed Urban Watershed	Chow Shu Yi, CH2M Hill

10.45-11.15 *Coffee*

- **11.15 – 13.00 Session 2: Sustainable storm water strategies** *Chair: Jamie Margetts, Clear*

Paper 4	Urban Flood Management: How to Prevent Drowning ... in Data	Prof Vladan Babovic, NUSDeltares
Paper 5	Application of Active-Beautiful-Clean (ABC) Concept for Sustainable Stormwater Management in Nanyang Technological University New Residential Hall	Efstathios Giannouostas / Vera Valencia Kurniawan, CPG
Paper 6	Eco-hydraulics on green channels, Hong Kong – smaller scale 'green' channel solutions and their biodiversity value	Julia Chan, Mott MacDonald

13:00 - 14:00 *Lunch*

- **14:00 - 15:45 Session 3: Different Techniques, Different Places.....** *Chair: Ridzuan Ismail, PUB*

Paper 7	Determination of Safe Development Platform Level for Flood Control Using Sensitivity and Risk-Based Assessment	Stephen Tan, AECOM
Paper 8	Melbourne Main Sewer Outfall - Revitalising Existing Public Infrastructure to Benefit the Environment, Community and Enhance the Region's Water Balance	Daniel Lambert / Brendon Mills, Arup
Paper 9	Challenges of developing sustainable wastewater collection solutions in developing cities with reference to Balikpapan Sanitation Sector Project Feasibility Study, Indonesia	Chris Taylor, Mott MacDonald

15:45-16:00 *Coffee*

- **16:00 - 17:00 Workshops**

Workshop: Developing a Modelling Code of Practice for Singapore – Jamie Margetts.

**17:00 Conference Closes**