

**IAHR UK Section Annual Technical Meeting
September 2009**

The IAHR UK Section Annual Technical Meeting and Young Persons' Paper Competition were held at United Utilities, Mereside Conference Suite on 10th September 2009. The meeting, sponsored by MWH and United Utilities, was entitled "*From Theory to Practice*" and was well attended by over 50 delegates from all sectors of industry and academia. A list of titles and speakers are provided below and pdf versions of the presentations are available on the IAHR web pages (UK section – see www.iahr.net/site/about/organisation/national/bdy_chap_uk.htm).

"3D CFX Modelling of Meandering Channel Flows - River Blackwater" Xiaonan Tang & Mark Sterling (University of Birmingham)

"Developing a National Time of Travel Data Layer for the EA" Linda Pope & Chris Burgess (Environment Agency)

"Climate Change and the future of Urban Drainage in the UK" Chris Digman (MWH)

"Theory to Practice via Perspex – The Dynamic Effect" Claire Janion (MWH) & Tim Thornton (Hydrotec)

"Practical Hydraulics on a Large Wastewater Treatment Works" Rob Wilson (UU)

"Theory into Practice - Steady and Transient Hydraulics for a Long Sea Outfall Upgrade", David Mitchell (Atkins)

The programme covered aspects of hydraulic research and applications to riverine, urban drainage and coastal flow situations, from experts across a broad spectrum: universities, EA, consultants and water utilities. Feedback from the delegates was extremely positive and it is proposed to maintain this broad coverage of topics in future years to generate greater cross-disciplinary interest and engagement between researchers and practitioners.

The final of the Young Persons' Paper Competition was also held on the day. This included finalists in industry and academic categories presenting on innovative methods and research. In the industrial category, the winner was Blake Ridley (United Utilities) "Practical Design of an Inlet Works" and the runner-up was Ruyi Hu (United Utilities) "Inverted Phase Fermentation for Sludge Management". In the academic category the winner was Peng Hu (Heriot-Watt University) "Coupled Two-dimensional Mathematical Modelling of Turbidity Currents over Erodible Bed" and the runner-up was Yueling Wang (University of Newcastle) "A Well-Balanced Shallow Flow Model for Dam Break Simulations". Special thanks to the sponsors for the event, UU and MWH who contributed to the substantial prizes for each of the finalists.



Blake Ridley, winner in the industrial category, congratulated by MWH Global representative, and IAHR-UK Section Committee member, Stuart Stanford.



Peng Hu, winner in the academic category being presented with his certificate by Ian Guymer, Chair of IAHR UK-section Committee

Ian Guymer
9th Feb. 2010