



watwaf
Water Efficiency in Buildings Network

Working together to drive innovation



Chair: Martin Shouler, Arup

- Global lead for Environmental Services Engineering and Public Health Engineering skills leader at the international engineering consultancy Arup
- Work on water projects across Building Engineering and Infrastructure
- Extensive experience in the field of Environmental Services Engineering, having been involved in a wide range of major projects, in design, research and consultancy across the world. Particular expertise includes water supply, sanitation, sewerage, water conservation and efficiency, water quality, water treatment, wastewater engineering, and infrastructure services.
- In addition, he has a keen interest in sustainability particularly related to minimising water use and energy associated with its use.

Introduction

- **Water Efficiency in Buildings Network (Watef)** was started in May 2011 by Dr Kemi Adeyeye, University of Brighton
- The network is funded by the Government Department of Environment, Food and Rural Affairs (Defra)
- It is free to join and the membership currently consists of academics, industry practitioners, NGOs, policy makers and regulators from around the world

Our goal

- Multi-disciplinary, holistic solutions for water (resource) efficiency by:
 - **Promoting** independent, multi-disciplinary water efficiency research in the academic community
 - **Contributing to the evidence base** for water efficiency
 - Facilitating **knowledge transfer** between academia, policy makers and regulators, third sector organisations as well as the construction and water industries



What we do

- WE achieve this by:
 - Organising events: Master classes, workshops, seminars and conferences
 - Our next conference is 9-11 September 2014
 - Please register and attend
- We also have subject champions and will be setting up technical committees shortly
 - Please contact Dr Kemi Adeyeye via the website to register interest

Water Efficiency Conference 2014



- Our next major event is the Second Water Efficiency Conference – WATEFCON 2014
- This will be held in Brighton from 9th – 11th September 2014
- Keynote speakers include: **Dr Ian Barker, MD** of the Water Policy International Limited and **Jacob Tompkins, MD** Waterwise
- Highlights include a conference dinner and tour at the landmark **Royal Pavillion in Brighton**

Activities and details can be found on our website: www.watereficientbuildings.co.uk

The screenshot shows the homepage of the Water Efficiency in Buildings Network website. The browser's address bar displays www.watereficientbuildings.co.uk/home. The website header features the 'wat' logo, the text 'At the University of Brighton', and 'Department for Environment Food & Rural Affairs'. A navigation menu includes links for Home, Resources, Subject Champions, Publications, News & Events, Conference, Research, and Contact. A search bar is located in the top right corner.

The main content area is divided into three columns:

- Member Login:** A section with a 'username or email' input field, a password field with a '[remind me]' link, a 'Remember my details' checkbox, and a 'Login' button. Below the login fields is a link to 'Click here to register now >'. A 'twitter' icon is also present.
- Welcome to the website for The Water Efficiency in Buildings Network:** A central section featuring a large photograph of a modern building complex. Below the photo, it says 'Please select from the options below or from the main menu above to continue.' and lists several interactive links:
 - Click here to take part in the WEL Lab shower study >
 - Click here to calculate your water usage >
 - Click here to register for news, updates and member content >
 - Click here to view your fan page (Registration required)
- 2013-2014 Programme Masterclasses:** A list of events:
 - Water Demand Management with Non-domestic Customers, 19 Nov 2013 at ARUP, London
 - Retrofitting for Water Efficiency, 5 Feb 2014 at BRE Watford
 - Global Trends in Water Efficiency, Virtual Master Class, 27 June 2014

Below the masterclasses list is a section for a 'Water Reuse Event' by DEFRA/WATER UK on 8 Apr 2014 at the University of Brighton.

To join the network

- Register **free** via website:
www.waterefficientbuildings.co.uk
- Benefits: free or subsidised access to events, free access to information, networking opportunities with academia and industry practitioners, knowledge sharing and practise dissemination opportunities

Master class: Global trends in Water Efficiency

- This is the first of a series of events to further enhance the international aspects of the network's programmes
- *Speakers from around the world will be talking about their ongoing work and answering your questions*
- The format is that there will be presentations first and questions at the end
 - Please use the chat facility to send in your questions anytime during the presentations

Agenda (UK Time)

- 10:30 Delegate arrival at Arup, London (Coffee)
- 10:45 Virtual event opens
- 11:00 Welcome and overview of proceedings: *Martin Shouler*
- 11:05 Rapid Appraisal of Social Feasibility of Water Reuse Networks: *Dr Sarah Bell, UCL*
- 11:25 Water efficiency/demand management in Australia: *Prof Stuart White, University of Technology, Sydney*
- 11:40 *Water Efficiency in North America: Issues and Challenges: Mary Ann Dickinson, President & CEO, Alliance for Water Efficiency, Chicago, USA*
- 11:55 Proposed Water-Saving Guidelines for Vietnam and AWSC Current Activities: *Prof Li-Cheng, AWSC and National Taiwan Institute of Science and Technology*
- 12:10 Q & A
- 13:00 *Close*



Dr Sarah Bell

- **Sarah Bell** is Senior Lecturer at UCL in the Department of Civil, Environmental & Geomatic Engineering.
- Her research interests lie in the relationships between engineering, technology and society as they impact on sustainability, particularly in relation to urban water systems.
- She is a Chartered Engineer and holds a PhD in Sustainability and Technology Policy from Murdoch University, Western Australia



Prof Stuart White

- Professor Stuart White is Director of the Institute for Sustainable Futures where he leads a team of researchers who create change towards sustainable futures through independent, project-based research
- With over twenty years experience in sustainability research, his work focuses on achieving sustainability outcomes at least cost for a range of government, industry and community clients across Australia and internationally
- Professor White has written and presented widely on sustainable futures and is a regular commentator on sustainability issues in the media



Mary-Ann Dickinson

- Mary-Ann Dickinson is the President and CEO of the Alliance for Water Efficiency, a non-profit organization dedicated to promoting the efficient and sustainable use of water in the United States and Canada
- She has over 40 years of experience, having worked at the Metropolitan Water District of Southern California, the South Central Connecticut Regional Water Authority, and the Connecticut Department of Environmental Protection
- She is currently Chair of the Efficient Urban Water Management Specialist Group for the International Water Association
- She has also presented numerous papers on water conservation internationally and all across the United States and Canada



Prof Cheng-Li, Cheng

- Cheng-Li Cheng is Distinguished Professor at National Taiwan University of Science and Technology, Department of Architecture and Honorary Chairman of Taiwan Toilet Association (TTA)
- He is Regional Director and Taiwan representative member of ASWC Professor at National Taiwan University (CCL@mail.ntust.edu.tw)
- He is a researcher and published widely on a range of water supply and drainage in building. He has published extensively on a range of sustainable issues, including the water and energy conservation for green building
- Currently he also acts as Chair referee of Taiwan Green Building Evaluation Committee and Nation Building Code Review Committee.

Questions



After the event

- Presentations from today will be available at:
<http://www.waterefficientbuildings.co.uk/presentations>
- Also please join the network and propose future events and programs
- Thank you and we look forward to seeing you at the conference this September