

# Information

## Registration fees are:

- delegate fee for non-members € 495
- delegate fee for members of the SCI, ACS, SecurEau consortium and IWW € 450
- exhibition stand fee, including one non-transferable pass € 1000
- student € 225
- conference proceedings (RSC Publishing) € 55

Register online at [www.WCEC4.eu](http://www.WCEC4.eu) using your credit card, or complete a registration form for cheque and bank transfer payments.

**Exhibition and Sponsorship Opportunities** This is a high visibility opportunity to bring your product or service to the attention of the complete spectrum of policy makers, opinion formers, and buyers in a growing market.

**Poster Abstracts** Poster papers are invited. The closing date for poster abstract submission is 1st August 2010.

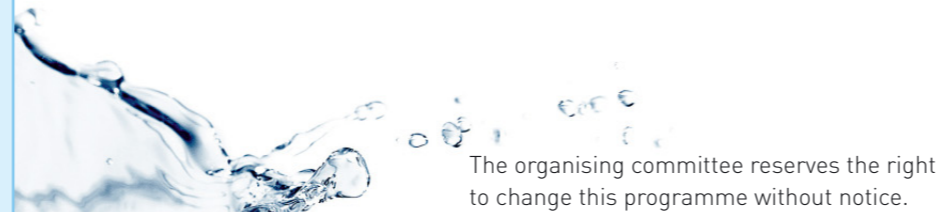
**Conference Dinner** The conference dinner will be held at the Municipal Hall in Muelheim an der Ruhr on Tuesday, 12th October, and attendance is included in the registration fees. The Muelheim Water Award will be presented at the dinner.

**Aim** The conference will deal with four principal themes: monitoring, understanding, acting and lessons learned. It will emphasise prevention, how water companies prepare a strategy, and unusual or unpredictable emergency incident situations relating to drinking water.

**Who should attend?** The conference is aimed at public health professionals, water companies, regulators, risk and business continuity managers, emergency planners, local authorities, service and support providers, detection equipment suppliers, monitor and test kit manufacturers, disaster recovery specialists, water security experts, and water distribution modellers.

## Organising Committee

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|---|--|
| → <b>Ulrich Borchers</b> ,<br>IWW Water Centre (Chairman) | → <b>K. Clive Thompson</b> ,<br>ALcontrol Laboratories (Secretary) |
| → <b>Joep Appels</b> , microLAN BV                        | → <b>Norbert Rademacher</b> , Hach Lange                           |
| → <b>John Farmer</b> , SCI (Treasurer)                    | → <b>Hubert Schreiber</b> , Hessenwasser GmbH & Co. KG             |
| → <b>Bill Keevil</b> , Southampton University             | → <b>Joep van den Broeke</b> , s.:can                              |
| → <b>Claudia Lasagna</b> , Iride Acqua Gas                | → <b>Daniel Villessot</b> , Lyonnaise des Eaux                     |
| → <b>Wolfgang Podewils</b> , RWE Aqua                     | → <b>Thomas Zenz</b> , DVGW  |



The organising committee reserves the right to change this programme without notice.

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## Secretariat

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## Sponsors



# Water Contamination Emergencies IV

monitoring, understanding, acting



IWW Water Centre  
Mülheim an der Ruhr, Germany  
11th-13th October 2010

Principal Sponsors



# Monday, 11th October

## Programme

**11:30** Registration and refreshments

### Introduction and Welcome

Chair: Ulrich Borchers, IWW Water Centre

- 13:00** Welcome address 1  
→ Ulrich Borchers, IWW Water Centre
- 13:10** Welcome address 2  
→ Wolfgang Podewils, RWE Aqua

### Scene Setting and Background

Chair: K. Clive Thompson, ALcontrol Laboratories

- 13:15** English drinking water safety: guidance to health and water professionals.  
→ Virginia Murray, HPA
- 13:45** Crisis and risk management approaches: relation to standardisation.  
→ Thomas Zenz, DVGW
- 14:15** Refreshment break

### Monitoring

Chair: Bram van der Gaag, KWR Watercycle Research Institute

- 14:45** Overview of existing monitoring approaches.  
→ Frank Sacher, DVGW Technologiezentrum Wasser (TZW)
- 15:15** Online chemical sensors for an early warning system.  
→ Albin Monsorez, Veolia Environnement, Anjou Recherche, and SecurEau
- 15:35** The story behind the data: a novel approach in the evaluation of a new optical sensor for early warning of drinking water contamination events.  
→ Ben Tangena, National Institute for Public Health and the Environment
- 15:55** Protection of drinking water supply.  
→ Robert Aitchison, EADS Defence and Security, UK
- 16:15** Questions, answers and discussion.
- 16:25** Validation of a water quality monitoring platform in Barcelona drinking water treatment plant.  
→ Ramon Lopez-Roldan, CET Aqua
- 16:45** Monitoring of biofilms and other deposits.  
→ Hans-Curt Flemming, University Duisburg-Essen
- 17:05** Questions, answers and discussion.
- 17:15** Poster session, exhibition, refreshments.
- 18:30** End

# Tuesday, 12th October

### Understanding

Chair: Claudia Lasagna, Iride Acqua Gas

- 09:00** Modelling the performance of drinking water contamination warning system.  
→ Steve Allgeier, US Environmental Protection Agency
- 09:30** Rapid confirmation of microbiological alerts using off-line molecular methods. → Bill Keevil, Southampton University, and SecurEau
- 09:50** Using online water quality monitoring to understand distribution systems and improve security. → Ken Thompson, CH2M HILL
- 10:10** Modelling contaminant accumulation. → Luis Melo, University of Porto, and SecurEau
- 10:30** Refreshments
- 11:00** Clean data and reliable event detection. → Joep van den Broeke, s::can Messtechnik
- 11:30** To react or not to react. Addressing early warning system alarms.  
→ Dan Kroll, Hach HST
- 11:50** Selection and prioritization of substances relevant for intentional drinking water contamination. → Marco Lange, IWW Water Centre
- 12:10** Questions, answers and discussion.
- 12:30** Lunch

### Acting

Chair: Daniel Villessot, Lyonnaise des Eaux

- 13:45** A risk assessment/risk management-based approach for the revision of EU Drinking Water Directive.  
→ Jan Cortvriend, European Commission DG Environment
- 14:15** The need for a joined up approach to the provision, management, security and delivery of alternative drinking water supplies. → Keith Silcock, Water Direct
- 14:35** Communicating with the public about risks.  
→ Margaret McGuinness, Scottish Water
- 14:55** Potable water contamination emergency: the analytical challenge.  
→ Barry May, FERA
- 15:15** Refreshments
- 15:30** Poster session, exhibition and refreshments.
- 16:00** European and German standards on security of drinking water supply [prEN 15975-1, DVGW W1002] → Thomas Zenz, DVGW
- 16:30** Some examples of the benefits of the UK water laboratories mutual aid scheme for chemical and radioactivity-based incidents → K. Clive Thompson, ALcontrol Laboratories, UK, and Phillipa Frewin, South West Water, UK
- 16:50** Decontamination procedures of water distribution systems.  
→ Talis Juhna, Riga Technical University, and SecurEau
- 17:10** Questions, answers and discussion.
- 19:00** Conference dinner

# Wednesday, 13th October

### Case Studies and Lessons Learned

Chair: Joep van den Broeke, s::can

- 09:00** Why do water companies need to tackle the health threats from drinking water supplies?  
→ Daniel Villessot, Lyonnaise des Eaux
- 09:30** What is essential for a water supplier in the event of a crisis? A case study from the Lake Constance.  
→ Martin Sigle, Zweckverband Bodensee-Wasserversorgung
- 09:50** A Scandinavian emergency for drinking water network contamination: the Nokia case study.  
→ Ilkka Miettinen, National Institute of Health and Welfare, and SecurEau
- 10:10** Developing a consumer complaint surveillance for water contamination detection.  
→ Manoochehr Boozarpour, San Francisco Public Utilities Commission
- 10:30** Questions, answers and discussion.
- 10:45** Refreshments

### Conclusion, Wash-up, Round Table Discussion

Chair: Bill Keevil, Southampton University

- 11:15** Summary on Monitoring Session.  
→ Joep Appels, microLAN
- 11:30** Summary of Understanding Session.  
→ K. Clive Thompson, ALcontrol Laboratories
- 11:45** Summary of Acting Session.  
→ Jean-Claude Block, University of Nancy, and SecurEau
- 12:00** Round-table discussion with moderator.  
→ Bill Keevil, Southampton University
- 13:00** Close of conference

