

# WWEM 2010

10<sup>th</sup> - 11<sup>th</sup> November 2010

## SHOW PREVIEW

BY GWYNETH ASTLES

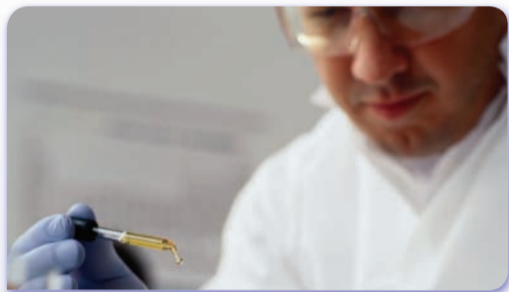
### WWEM 2010 Will Be The Most Exciting Ever

The organisers of WWEM 2010 have announced that this year's event will be even larger than its predecessors. Taking place over two days (10<sup>th</sup> and 11<sup>th</sup> November) at the Telford International Centre, there are a host of new features that will attract visitors from a broader section of the monitoring community.

WWEM 2010 will retain its focus on environmental monitoring, providing the latest information on regulations, methods and technologies. However, the event's growth is a result of new features such as a laboratory conference, new partners such as CoGDEM and over 120 exhibitors representing nearly 200 of the world's leading providers of environmental monitoring equipment and services, many of which will launch completely new products at the event.

Visitors to WWEM will include staff at every level within regulators, water companies, industrial manufacturers, consultants, education, research organisations, process engineering companies and any industrial company that utilises occupational monitoring, process or laboratory analysis.

### New Lab Conference



This year's event will include a dedicated Conference for the laboratory sector. Focusing on efficiency, sustainability, MCERTS and accreditation, the Lab Conference will address the key issues facing commercial laboratories in the new low-carbon, post-recession (or double dip!) era and will be most relevant to analytical staff within the water, food/beverage, manufacturing, processing and environmental sectors.

UKAS will speak on accreditation, NPL will cover proficiency testing, CitySprint will discuss sample transportation, BOC will explain the production of accredited gas calibration standards, ALcontrol will outline best practise for sampling environmental waters and EXOVA will describe a recent development in data management.

Admission to the Lab Conference will cost £55/day or £100 for both days. Registered attendees will also have access to the parallel Process Water Conference.

### New Gas Detection Zone

Traditionally focusing on water monitoring and testing, WWEM 2010 will now also highlight airborne industrial hazards and risk assessment across all industries, with the participation of the Council of Gas Detection and Environmental Monitoring (CoGDEM). Hazards covered will include accidental exposure to low oxygen levels in confined spaces and to toxic or explosive gases.

Leigh Greenham, Director of CoGDEM, says: "We are delighted to be involved with the world's largest environmental monitoring event. Gas detection is an important part of risk assessment to help provide protection for workers in all industries, particularly in the water sector. The seminars that we will run, in conjunction with informal discussions at the exhibition stands of our members, will provide WWEM visitors with the latest help and advice on modern gas detection technology as part of a risk reduction strategy. Many of our members are leaders in the field of gas detection and their technical staff will be available to provide training on how to operate, calibrate and maintain instruments cost-effectively."



### Meet the Buyer event

UK Trade & Investment (UKTI) will provide access to 24 buyers from across Europe and run a workshop entitled 'Developing Your International Business'.

UKTI Commercial Officers will also advise on a range of topics including political/economic overview for countries including Portugal, Turkey and Russia, niche sector opportunities and advice on market entry.

### Exhibition – what's new

An international exhibition will run on both days of the event featuring the majority of the world's leading providers of test and monitoring instrumentation and services.

Entry to the exhibition and workshops will be free (saving a daily admission fee of £20) to all pre-registered visitors, who will also be entitled to free onsite parking, free lunches and refreshments on both days of the event.

Many of the exhibitors have announced that they will be launching new products, technologies and services during WWEM 2010 and the following is a selection of the innovations that will be on show.

In the following pages we take a look at a cross-section of some of the exhibitors & products that will be on display this year.

**For more information go to [www.wwem.uk.com](http://www.wwem.uk.com)**

### Specialist Book Supplier Offers 15% Discount at WWEM



ILM Bookstore is an online bookshop ([www.ilmbookstore.com](http://www.ilmbookstore.com)) where you can order from a range of books from different publishers. We specialise in academic and professional books in many areas of science, technology and engineering.

Come and visit us at WWEM to browse through the range of books we will have on display – from general books on water to analytical chemistry and gas detection titles. We will have a great selection of books from Wiley, Springer, Earthscan, and Taylor & Francis publishers.

We are pleased to be able to offer a 15% discount to visitors of the WWEM show. All the books can be bought and taken away on the day or we can ship them to you after the show.

ILM Bookstore works in association with the book publisher ILM Publications. They produce high-quality scientific books. If you are interested in finding out more about getting your book published, please speak to Lindsey Langston, Commissioning Editor, at the show.

We look forward to meeting you at WWEM!



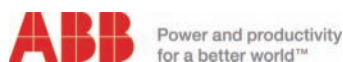
**ABB LTD**

ABB Ltd will be showcasing a selection of its latest instrumentation and analytical equipment and systems, including the new Aztec range of analysers designed for potable water treatment. Other products include the MCERTified WaterMaster flowmeter with onboard verification system, the AquaMaster GSM-SMS electromagnetic flowmeter, plus a range of ABB's pressure and temperature measurement products.

The stand will feature an interactive display demonstrating how ABB's technologies can be integrated to help monitor and control water supplies.

ABB's experts will also be speaking at the main seminar and two practical workshops covering some of the latest issues affecting the water and wastewater industries.

Email: [moreinstrumentation@gb.abb.com](mailto:moreinstrumentation@gb.abb.com)  
Web: [www.abb.com](http://www.abb.com)

**STAND 107-8****ADVANCED CHEMISTRY DEVELOPMENT INC/ ACD/LABS**

Advanced Chemistry Development Inc (ACD/Labs) is proud to feature Intelligent Compound Recognition with ACD/IXCR. Using component detection software and spectral matching capabilities, identify compounds in full-scan GC/MS sample data quickly and accurately using ACD/IXCR to reduce the time spent on manual interpretation, searching, and validation. Conduct rapid, non-targeted analysis of water, wastewater, and other environmental samples.

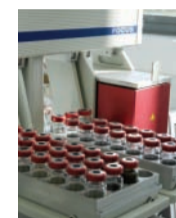
To learn more about ACD/IXCR and our other analytical chemistry software tools, visit our stand during the WWEM 2010 Conference or visit our website.

ACD/Labs provides vendor-neutral spectroscopic data processing and prediction, analytical knowledge management, interactive reporting, and physicochemical and ADMET property prediction.

Email: [info@acd labs.com](mailto:info@acd labs.com)  
Web: [www.acd labs.com](http://www.acd labs.com)

**STAND 38**

“ In 2008 a number of visitors to WWEM found that they were unable to visit all of the Conference sessions and free Workshops that were of interest during a one day visit. To make matters worse, we have packed even more into the 2010 event, so visitors are going to have to plan their time very carefully and possibly consider coming on both days. WWEM 2010 is going to be hard work ”

**ALCONTROL LABORATORIES**

ALcontrol will be on stand 63 at the exhibition, this will provide a good opportunity to meet their staff from both the Environmental and Water Laboratories and gain an update on their latest developments.

ALcontrol offer an extensive range of chemical and microbiological analyses on potable water, process water, waste and soil. Their hassle free comprehensive service is managed through their extensive account management team and includes sample collections, bottles, training and technical support.

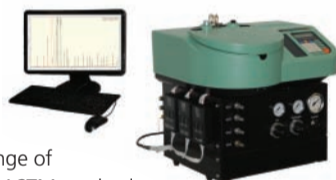
Their @mis (or AMIS) internet portal offers access to data 24/7, and allows flexible reporting formats – we can provide a demo of the system on their stand.

They are also presenting at both the BMTA workshop (on Environmental Water Sampling) and the general workshop programme (Electronic Data Management for Environmental Data) – the talks will be repeated on both days.

Email: [contactus@alcontrol.com](mailto:contactus@alcontrol.com)  
Web: [www.alcontrol.com](http://www.alcontrol.com)

**STAND 63**

ADVERTORIAL

**Natural Gas Analysis Solutions**

Analysis of Natural Gas and the calculation of its Calorific Value are important factors for both consumers and energy producers. **Cambridge Scientific Instruments** can offer a range of systems for Natural Gas analysis that are based upon ISO and ASTM methods. Components analysed by the systems include N<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, C<sub>2</sub>H<sub>6</sub>, C<sub>3</sub>H<sub>8</sub>, iso- and n-butane, neo-, iso- and n-pentane and C<sub>6</sub>+. Optional analysis for the presence of O<sub>2</sub> can also be performed, this is a contaminant that can be introduced to the Natural Gas by poor sampling technique.

Systems can be configured to meet the customer's exact requirements. Instruments can be configured for either bench top use or for mounting in a 19" rack, and can also be installed online if required, in a laboratory environment. All Natural Gas analysers are fitted with a TCD, an additional FID can also be fitted for greater sensitivity of hydrocarbons. Sample injection and column switching are operated by automatic switching valves. Analysis is typically run on packed columns, however optional capillary columns can be added for greater separation of components up to C<sub>10</sub>. All systems are completely configured and tested with synthetic gas samples.

At the end of each analysis, the included Clarity software from DataApex will automatically analyse the results and calculate the Calorific Value for the sample. This gives the user, the mean molecular weight, the relative density, the density, the superior Calorific Value, the inferior Calorific Value and the Wobbe index.

For further information on Cambridge Scientific Instruments range of Natural Gas analysers please visit [www.camsci.co.uk](http://www.camsci.co.uk) or if you would prefer to talk to someone about your chromatography requirements please call +44 (0)1353 669916

Circle no. 527

**Specially Engineered Chromatography Systems**

**Cambridge Scientific Instruments Ltd** are pleased to offer full gas chromatography systems specially engineered to the customer's exact needs. With over 30 years experience in the industry and by listening to and understanding customers problems CSI are able to design and produce one off custom solutions to their analytical needs. Using the versatile 200 series GC as the base CSI can offer a wide range of customisation options to meet a customer's requirements.

Installed Systems include:

- Alternator Gas Analyser
- Biofuel Analyser
- Low power GC for mobile laboratories
- Automated material analysis for solvent breakthrough
- Continuous online whiskey Process monitor
- Multiple selective detection systems

For further information on what CSI can offer, please visit [www.camsci.co.uk/secs.html](http://www.camsci.co.uk/secs.html)



Circle no. 528

## Natural Gas Analysers

A new range of Natural Gas analysis solutions from Cambridge Scientific Instruments which are based upon ISO and ASTM methods

- Choice of TCD or TCD and FID for greater hydrocarbon sensitivity
- Choice of packed column or packed and capillary
- Automatic sample inject and column switching valves
- Automatic Calorific Value calculation for ISO 6976:1995
- Systems can be configured for rack mounting or benchtop
- Systems can be operated online

**Cambridge Scientific Instruments Ltd**  
Tel: +44 (0)1353 669916 Fax: +44 (0)1353 669917  
Web: <http://www.camsci.co.uk> Email: [info@camsci.co.uk](mailto:info@camsci.co.uk)

Circle no. 529

**WWEM 2010**



“ Laboratory analysis plays a major role in environmental monitoring across a number of industries. We are therefore delighted to be able to devote an area of WWEM to the laboratory sector, complete with a dedicated conference, a series of walk-in, walk-out workshops and an exhibition featuring many of the world's leading players in the laboratory sector.

”

## BELCOM CABLES LTD



Belcom cables are a specialist cable supplier near to Stansted Airport, stocking and supplying a wide range of Fieldbus Cables, Fibre, Data and many other cables suitable for Industrial Control and Automation. They are a trusted independent source for high quality third party verified electronic cables.

Belcom's commitment to providing the best quality Fieldbus cables, on a cut length and next day delivery basis, has given many process control technology projects within the Water Industry the on time security vital to profitable project conclusion. The Belcom DataGuard stock range of bus and data cables including Ethernet/Profinet through to Profibus DP and PA, DeviceNet, CC-Link and Fibre Optic is of particular interest to Plant Engineers and Certified Installation Contractors alike.

Belcom are members of Profibus International, AS-Interface Expert Alliance and Foundation Fieldbus as well as stockists of CLPA approved and ODVA recognised cables. As ever increasing price pressures are exerted on industry we are seeing examples of sub-standard product being supplied into the market, Belcom remains steadfast in only supplying from renowned and trusted manufacturers and also employ third party testing facilities to ensure compliance with the most exacting standards.

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**Web:** [www.belcom.co.uk](http://www.belcom.co.uk)

STAND 24 (Profibus stand)

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HiQ® stands for the best BOC has to offer in speciality gases, equipment and high quality services. In a highly complex and specialised business sector, our vision is simple: we provide precisely what our customers need, whenever and however they need it.

HiQ® represents the best there is in the world of high purity gases, high accuracy gas mixtures, precision engineered gas supply systems and the high quality services needed for optimum results. Precise answers to individual needs. Customised to meet specific requirements. Delivered in a form and frequency tailored to each application. The only word you need to remember in speciality gases is HiQ®.

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**Web:** [www.boconline.co.uk](http://www.boconline.co.uk)

STAND 6

## CAMBRIDGE SCIENTIFIC INSTRUMENTS LTD



Cambridge Scientific Instruments Ltd formed in 1994, is a UK based developer and manufacturer of chromatography instruments and accessories. CSI's products are designed to be smaller in size, deliver faster and better performance and be more energy efficient. Products on show include:

The 300 series fast GC, an innovative new design of GC that replaces a conventional air blown oven with directly heated columns this allows for much faster cycle times making it ideal for sample screening.

The 800 Series TEA, the latest version of the industry standard nitrosamine detector.

**Email:** [info@camsci.co.uk](mailto:info@camsci.co.uk)  
**Web:** [www.camsci.co.uk](http://www.camsci.co.uk)

STAND 21

## CAPILIX

Capilix focuses on development and supply of sensor solutions based on proprietary microchip capillary electrophoresis (CE) technology. Capilix is in the process of developing this platform technology into on-line instruments for use in various industrial environments.



Capilix is world-leader in application of Microchip CE for industrial on line monitoring. Markets & applications include greenhouses for analysing the nutrient composition of irrigation water, drinking water for assessing the ionic composition of drinking water, waste water for determining ionic composition of (municipal) waste water, anaerobic treatment for sensing volatile fatty acids and bicarbonate and industrial for analysis of heavy metals and other specific types of metal ions. Visit Capilix at WWEM.

**Email:** [info@capilix.com](mailto:info@capilix.com)  
**Web:** [www.capilix.com](http://www.capilix.com)

STAND 66

## CHEM-LAB NV

Since its founding in 1993, Chem-Lab has grown to be an important player on the lab market. The Company have a complete range of reagents including solvents, acids and bases, salts and solutions.



Chem-Lab want to stress the fact that they produce inorganic and organic standards, buffer solutions, titrated solutions and reagents. All reagents are produced and packed within their ISO9001 quality system.

Chem-Lab are convinced that they have the answer to all your special requests. Do not hesitate to visit their stand at WWEM to ask them about their tailor - made reagents.

**Email:** [export@chem-lab.be](mailto:export@chem-lab.be)  
**Web:** [www.chem-lab.be](http://www.chem-lab.be)

STAND 123

## SPECIALIST SAMPLES TRANSPORTATION

CitySprint's Samples Transportation team combines extensive knowledge and experience to provide secure, efficient and cost-effective solutions for the secure movement of samples within the UK.



They offer 25 years experience moving specialist samples; fully GPS enabled fleet; ADR trained and CRB checked couriers; detailed chain of custody; couriers trained to customers specific requirements; flexible client operational procedures; SMS and email delivery confirmation; online management information; secure delivery; specialised vehicle fleet.

**Visit CitySprint at WWEM 2010.**  
**Web:** [www.citysprint.co.uk/samples](http://www.citysprint.co.uk/samples)

STAND 100

## COGENT ENVIRONMENTAL

Instrumentation specialist Cogent Environmental has chosen the WWEM 2010 event to launch a new advanced trace metals analyser that Managing Director Chris Welsh says "will offer enormous advantages over laboratory analysis."



The new OVA7000 can be configured to provide continuous monitoring data for a wide range of analytes (total As, Au, Cd, Cr, Cu, Fe, Hg, Mn, Ni, Tl, U, Zn) in surface water, industrial wastewater and process water.

The Cogent stand will also feature the 'OVA7000As' which has been specifically designed for the measurement of Arsenic in drinking water. The new instrument features a novel Copper reduction system which is very important to ensure accuracy and reliability.

**Email:** [info@kogentenvironmental.co.uk](mailto:info@kogentenvironmental.co.uk)  
**Web:** [www.kogentenvironmental.co.uk](http://www.kogentenvironmental.co.uk)

STAND 64

**CRYOSERVICE LTD**

CryoService are a UK leading supplier of speciality gases, calibration gases and associated technical services to the scientific and analytical sectors. The Cryoservice WWEM stand will demonstrate their extensive capabilities and feature their full range of gases in both refillable and non-refillable cylinders, including the range-topping UltraCert mixtures, which are certified in accordance with ISO17025 for critical applications.

The innovative new Teresvia account management software will be also demonstrated - this is fast becoming an essential tool for gas users, allowing real-time management of your gas inventory, including rental and asset management, order tracking and downloadable Certificates of Analysis.

**Email:** [info@cryoservice.co.uk](mailto:info@cryoservice.co.uk)  
**Web:** [www.cryoservice.co.uk](http://www.cryoservice.co.uk)

**STAND 118****CSOLS LTD**

CSols is a software company with a large customer base in Water and Environmental laboratories, which focuses on solutions for improving cost efficiency, quality and compliance through automation.

At WWEM 2010 CSols is launching its 'Remote Sampler', a LIMS-driven handheld computer system for efficient collection of all types of water samples. Also featured will be a new version of the well established 'Links for LIMS' instrument interfacing software, the new 'Aqc Tools' Charting and Results storage system, the 'LabCache' laboratory database for capturing laboratory data to assist in auditing as well as the 'BactiAnalyst' handheld solution to help microbiology laboratories go paperless.

**Email:** [Kevin.jones@csols.com](mailto:Kevin.jones@csols.com)  
**Web:** [www.csols.com](http://www.csols.com)

**STAND 72****THE ENVIRONMENT AGENCY**

The Environment Agency will outline a hardening policy on the use of MCERTS certified products. The presentation (11am, both days) will give an update on how MCERTS and Operator Monitoring Assessment applies to industry and the Water Utilities. The Agency's Paul Wiggins says, "There is now a good number of flow meters that have achieved MCERTS, so all new and replacement meters must now be certified.



"We can now look forward to a time when the number of certified analytical instruments will enable us to enforce the MCERTS policy for all new and replacement water quality monitoring instruments."

**Email:** [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)  
**Web:** [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)

**STAND ISLAND****ENVIRONMENTAL TECHNOLOGY PUBLICATIONS LTD**

Environmental Technology Publications are leading publishers of environmental, petrochemical and oil related trade magazines. International Environmental Technology is ideal for companies who wish to export into Europe, the Middle East and Africa; and Asian Environmental Technology is aimed at the markets of Asia and Australasia. Both journals feature the latest products for monitoring and analysis of water, air and soil.

Petro Industry News is sent to a worldwide audience who monitor, test, analyse and process oil, gas and petrochemicals.

Please come to our booth to see our range of magazines and web-related marketing opportunities.

Laboratory journals cover the UK, Europe, the Middle East and Asia with titles Labmate UK & Ireland, International Labmate and Lab Asia.

The company also run two exhibitions - MCerts - for environmental monitoring and certification and WWEM - the specialist water and waste water conference and exhibition.

**Email:** [info@iet-pub.com](mailto:info@iet-pub.com)  
**Web:** [www.envirotech-online.com](http://www.envirotech-online.com)

**ESSEX SCIENTIFIC LABORATORY SUPPLIES LTD**

The demands on laboratories and companies evolved in the measurement of pollutants from any chemical manufacturing process have never been more acute. Laboratories accredited by UKAS, through regular audits of their procedures and documentation, fully satisfy their status and ability to realise valid analytical results. The comparison of results from different laboratories through their ability to be traced to the same unit of measure is crucial to the viability of the international standard ISO/IEC 17025. UKAS adopted the use of standards manufactured under ISO17025 Guide 34 to assure the confidence in analytical data. ESSLAB will present products from Inorganic Ventures (IV), a world leading manufacturer of Guide 34 standards. IV offer the highest level of quality assurance, confidently stating that the certified reference materials are produced correctly and competently, verifying stability, homogeneity and of course certified value with expressed uncertainties.

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**Web:** [www.esslab.com](http://www.esslab.com)

**STAND 97**

“ At WWEM 2008 we were delighted with both the volume and quality of enquiries that we received for our process monitoring equipment and our laboratory analysis instruments and reagents. ”

**PFXi-195**  
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[www.tintometer.com](http://www.tintometer.com)

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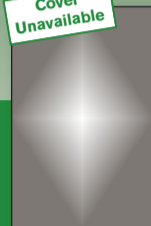
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Your new resource for key titles in  
Environmental Analysis

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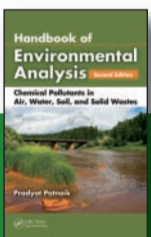
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## Manual of Environmental Analysis

N.C. Aery (Editor)

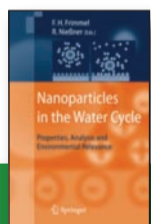
Hardback • 300 pages  
Pub date: October 2010  
ISBN: 9781420069150  
Online price: £73.80  
RRP: £82.00



## Handbook of Environmental Analysis

Pradyot Patnaik

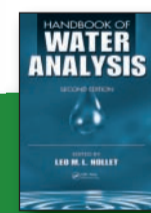
Hardback • 824 pages  
Pub date: May 2010  
ISBN: 9781420065817  
Online price: £85.50  
(RRP: £95.00)



## Nanoparticles in the Water Cycle: Properties, Analysis and Environmental Relevance

A. G. Clarke (Editor)

Hardback • 239 pages  
Pub date: May 2010  
ISBN: 9783642103179  
Online price: £81.00  
(RRP: £90.00)



## Handbook of Water Analysis, Second Edition

Leo M.L. Nollet (Editor)

Hardback • 784 pages  
Pub date: 2007  
ISBN: 9780849370335  
Online price: £160.21  
(RRP: £178.00)



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“

WWEM is more than just an exhibition: it is a learning experience. Visitors have the opportunity to participate in, and attend, over 70 walk-in walk-out workshops on case studies, problem solving, new technologies and new applications. They will also gain a wealth of information on modern regulation, MCERTS schemes for water and soil monitoring and be able to network freely around the shows.

”

## HACH LANGE



Hach Lange will display the latest technology for testing and monitoring water/ wastewater in any application at WWEM on 10-11 November.

The stand will feature on-line, laboratory and portable equipment with experts on hand to give advice on the most appropriate monitoring solution. Hach Lange will also run 2 workshops across the 2 days.

Learn about the latest technologies, practical tips/advice on equipment operation and maintenance to obtain the best quality results.

The Hach Lange family includes world-leading brands such as Dr Lange, Hach, Bühler, GLI, Lachat, Polymetron, Radiometer Analytical, Evita, Orbisphere, Anatel, HYT, HIAC, Met One and Sigma.

Email: [sarah.blaysds@hach-lange.co.uk](mailto:sarah.blaysds@hach-lange.co.uk)  
Web: [www.hach-lange.co.uk](http://www.hach-lange.co.uk)

STAND 93-94

## METROHM UK LTD

Metrohm is a worldwide, leading manufacturer of precision instruments for chemical analysis. In addition we develop tailor-made applications that help our customers to safeguard the quality of their products, comply with regulations & optimise processes.

Water contamination has become a global challenge. Due to its manifold use by humans, substances such as fertilisers, pesticides, heavy metal compounds and more can be traced in water supplies. Because of the associated health risks, the World Health Organization has issued guideline values for about 200 substances found in water. These guideline values form the basis of country-specific limits.

For many of these standards, Metrohm offers robust, reliable and very precise analysers and analytical methods.

Email: [enquiy@metrohm.co.uk](mailto:enquiy@metrohm.co.uk)  
Web: [www.metrohm.co.uk](http://www.metrohm.co.uk)

STAND 56

## SCIENTIFIC AND TECHNICAL GASES

Scientific and Technical Gases offer a full range of speciality gas cylinders and mixes.

They will be giving information and advice about the products and services that they offer for all analytical, detection and process applications for their gases.

Their product range includes both non-refillable and high pressure cylinders and equipment for all applications.

Email: [info@stgas.eu](mailto:info@stgas.eu)  
Web: [www.stgas.org.uk](http://www.stgas.org.uk)



STAND 52

## SIGMA-ALDRICH

TraceCERT® certified reference materials (CRM) are developed and produced by Sigma-Aldrich in an accredited laboratory, fulfilling both ISO17025 (General Requirements for the Competence of Testing and Calibration Laboratories) and ISO Guide 34 (General Requirements for the Competence of Reference Material Producers).

Organic TraceCERT® products are characterised by: certified Content by quantitative NMR (qNMR); superior level of accuracy, calculated uncertainties and lot-specific values; traceability to NIST; comprehensive documentation delivered with the product (cert. according to ISO Guide 31).

Visit the Sigma-Aldrich stand at WWEM to discuss your needs.

Web: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)



STAND 70

## TINTOMETER LTD

Lovibond® Tintometer® is an established supplier of water testing equipment for the water, wastewater and environmental communities. At WWEM 2010, the company is exhibiting the latest in its innovative product line of single and multi-parameter photometers, uniquely suitable for use with both tablet and/or powder reagents.

Industrial applications will benefit from viewing the new COD and BOD systems and the range of turbidity meters for precise, on-site testing. Completing the 'line-up' is the traditional visual comparator kits and discs and the pool testing equipment. Visit Stand No 85 to discuss your water measurement requirements or email [sales@tintometer.com](mailto:sales@tintometer.com) for further information.

Email: [sales@tintometer.com](mailto:sales@tintometer.com)  
Web: [www.lovibond.com](http://www.lovibond.com)



STAND 85

## UK TRADE & INVESTMENT (UKTI)

The UKTI will supply experts from around Europe who are taking part in two key activities that will support an international dimension to WWEM 2010. These include a 'Meet the International Buyer Event', where visitors will have access to 24 buyers from across Europe who are looking to purchase and source products, and a workshop titled 'Developing Your International Business'.

Delegates will also be able to learn about the wide range of planned UKTI activities both here and overseas that aim to help promote UK expertise overseas and assist companies in taking advantage of the opportunities these markets offer."

UKTI Commercial Officers will also advise on a range of topics including political/economic overview for countries including Portugal, Turkey and Russia, niche sector opportunities and advice on market entry.

Attendance for these UKTI events is free for all visitors to WWEM. To book an appointment or to meet commercial officers please log onto [www.meetbuyers-wwem2010.com](http://www.meetbuyers-wwem2010.com)

Web: [www.ukti.gov.uk](http://www.ukti.gov.uk)



STAND 82

## UNITED KINGDOM ACCREDITATION SERVICE (UKAS)

The United Kingdom Accreditation Service (UKAS) is the sole national accreditation body recognised by government to assess, against internationally agreed standards, organisations that provide certification, testing, inspection and calibration services. Accreditation provides customers with a formal recognition of the competence, impartiality, performance and capability of a particular business.

UKAS currently accredits around 200 organisations in the Environment sector, including areas such as drinking water, land and stack emissions. Within this sector UKAS also assesses around 80 organisations to various MCERTS Schemes on behalf of the Environment Agency.

Email: [info@ukas.com](mailto:info@ukas.com)  
Web: [www.ukas.com](http://www.ukas.com)



STAND 96

## YSI HYDRODATA

YSI Hydrodata, a wholly owned subsidiary of YSI Environmental, is the market leader in instrumentation to monitor the aquatic environment. The company provides monitoring services and distributes YSI and SonTek instruments and monitoring systems, providing training, installation, service, repair and calibration support services in addition to a full range of rental products.

YSI products and systems are used throughout the world to measure, monitor, and provide high quality, reliable data to help customers make critical decisions in matters relating to water quality, quantity and flow.

At WWEM 2010 YSI Hydrodata will launch the new 'Castaway CTD' conductivity and temperature profiler.

Email: [Europe@ysi.com](mailto:Europe@ysi.com)  
Web: [www.yasihydrodata.com](http://www.yasihydrodata.com)



STAND 79

“ Visitors to WWEM 2010 will include staff at every level within regulators, water companies, industrial manufacturers, consultants, education, researchers, process engineers and laboratory analysts. ”

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WWEM 2010



# WWEM 2010

10<sup>th</sup> - 11<sup>th</sup> November 2010

Telford International Centre, Telford, Shropshire, England. TF3 4JH

## Conference A

### Water monitoring in the 21st century

The price of this conference is:  
£55 + VAT per person for a day pass  
or £100 + VAT for a 2 day pass.

Conference Chairpersons - 10<sup>th</sup> November - Ian Bernard, Technical Manager, British Water, 11<sup>th</sup> November - Paul Mullord, UK Director, British Water

The WWEM conference is repeated on both days, this will give delegates the opportunity to plan their attendance in both the conference and workshop sessions, as well as meet with exhibiting companies.

The WWEM Conference is designed to inform and help process operators, consultants, equipment suppliers and end-users across all industries who monitor water and soil. The conference is repeated on both days to encourage delegates to attend Workshop Sessions and to network with exhibitors.

#### Conference Topics repeated on both days

Time	Title	Presenter	Synopsis
10.00 - 10.30	<b>Better Regulation an update</b>	John Tipping: Technical Manager Environment Agency	The presentation will give an update on Better Regulation and the Environmental Permitting Regulations (EPR) and include the latest position on operator self-monitoring (OSM) and the role of MCERTS and Operator Monitoring Assessment (OMA) in supporting the move to OSM.
11.00 - 11.30	<b>MCERTS and OMA - an update and future plans</b>	Paul Wiggins: Technical Advisor Environment Agency	The presentation will give an update on how MCERTS and Operator Monitoring Assessment applies to industry and the Water Utilities. It will also outline future developments and implementation plans
12.00 - 12.30	<b>MCERTS, Self Monitoring of Effluent Flow under EPR and OMA</b>	Tony Hoyle: ABB	This presentation will include an introduction to EPR, PPC Permits, OMA and Self Monitoring of Effluent Flow. The speaker will discuss Regulatory Flow Monitoring requirements and Verification, Accurate Discharge Monitoring, Flow metering techniques, installation recommendations, Data Confidence and a review of findings and Progress so far in the UK's Industrial and Water Sectors.
		<b>Lunch</b>	
14.00 - 14.30	<b>MCERTS for the Self Monitoring of Effluent Flow – 5 years on</b>	Bob Cooper: Sira Certification	It is now over 5 years since the first MCERTS Site Conformity Inspection Certificate was issued. Since then, nearly 4000 site inspections have been performed. What lessons have been learned? What advice is available for process operators? And what does the future hold?
15.00 - 15.30	<b>UKAS and the role of quality in the water industry</b>	Debbie Hudson: UKAS	An overview of how UKAS interact with regulators in the water industry and how regulatory requirements are interpreted with respect to ISO 17025 and UKAS accreditation. To include how this has developed in the 21 <sup>st</sup> century with emphasis on sampling.

## Conference B

### Laboratory Sustainability and Efficiency

The price of this conference is:  
£55 + VAT per person for a day pass  
or £100 + VAT for a 2 day pass.

Conference Chairman - 10<sup>th</sup> November, 11<sup>th</sup> November - Dr Jeff Llewellyn, President, BMTA

From design of a new laboratory or updating an established facility is always a daunting task. During this conference it is hoped to provide the delegate with information on sustainability, inter-laboratory issues and accreditation which demonstrate and help to underpin the credibility of analytical testing in both the UK and international arenas. Presentations will also cover topics of interest to laboratory managers involved in gas, water and wastewater testing and analysis.

The same programme will be presented on 10<sup>th</sup> and 11<sup>th</sup> November and delegates are welcome to attend presentations on either or both days on a 'walk in – walk-out' basis. The presentations will be given by six representatives of BMTA member companies. BMTA is the UK trade and technology association for laboratory-based organisations and its membership also covers about 300 UKAS accredited laboratories.

#### Conference Topics repeated on both days

Time	Title	Presenter	Synopsis
09.40	<b>Welcome and Introduction</b>	Dr Jeff Llewellyn: President, BMTA	Chairman's Welcome and Introduction
09.45 - 10.15	<b>UKAS and what Accreditation can do for your Laboratory</b>	Debbie Hudson: UKAS	Accreditation by UKAS demonstrates a laboratory's competence, impartiality and capability and helps to underpin the credibility of analytical testing in both the UK and international arenas. How do we do it and what do we expect of each other.
10.15 - 10.45	<b>Proficiency Testing and Inter-Laboratory Comparisons</b>	Matt Williams: NPL	A proficiency testing scheme provides a way of assessing the performance of laboratories by a series of regular inter-laboratory comparisons. Proficiency testing schemes are used by laboratory accreditation bodies as part of the process to assess the ability of laboratories to competently perform tests and measurements for which accreditation is held.
		<b>Break</b>	
11.30 - 12.00	<b>Samples Transportation</b>	Justin Hayday: CitySprint Ltd	A presentation on samples transportation detailing specialised vehicles, chain of custody technology and the secure movement of ambient or temperature controlled samples.
12.00 - 12.30	<b>The production of ISO Guide 34 Accredited Gas Calibration Standards and Evaluation of their Stability</b>	K D Cleaver: BOC Limited	The additional requirements necessary for the production of ISO Guide 34 accredited gas calibration standards – certified reference materials – that are produced and certified to ISO/IEC 17025 and ISO Guide 34 are described. These include contract review, gas mixture formulation and preparation, stability testing and the evaluation of stability data and issues of handling and storage.
		<b>Lunch</b>	
14.30 - 15.00	<b>Sampling of Environmental Waters</b>	Hazel Davidson: ALcontrol	When sampling environmental waters, it is critical to ensure correct procedures are followed, and that correct containers and preservatives are used. For the testing data to be valid and reliable, samples should also be stored correctly (at 5 +/- 3°C, according to MCERTS), and that holding times are met, according to BS EN 5667. This presentation will cover these issues and provide examples of best practice.
15.00 - 15.30	<b>A Waste Water Data Management System That Provides Real Advantage</b>	Alex Hardie: EXOVA	'Advantage', a recent development in data management at Exova is an IT system that provides data online in a fully exportable format, that highlights fails Red and pass results as Green, sends results as soon as analysis is complete and provides real-time alerts via e-mail etc. View real-time data from any PC, anywhere in the world. The system can produced graphs, charts and tables for monthly, quarterly and annual analysis and allow detailed trending analysis at the press of a button.

# Workshop Programme



Entry to all workshops is **free** to all **pre-registered** visitors, plan your day carefully, there's a lot to see and do at WWEM.

**Wednesday 10<sup>th</sup> November 2010 Day One**

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Gas Detection Room
10.00 - 10.30		Rain and Grey Water Recycling	CSO dry spill detection and reduction		A manufacturer's perspective of getting product MCERTified	A practical guide to reducing common errors in open channel flow measurement - examples from the frontline	Technologies for Gas Sensors, Nano Technology, NDIR, PPB Detection Levels, Catalytic LEL, Photo Ionisation Detection & Ion Mobility Spectroscopy
11.00 - 11.30	Innovations in on-line COD Measurement	New Method of Control for Scrubber Systems Saving Time and Money	Low maintenance turbidity meter in potable water applications	Optimise costs by monitoring entire water column	Simplify your analysis with Automation for BOD, COD and other water quality measurements	Water Treatment Optimisation Solutions - Saving operational expenditures and optimising plant processes	Methane Monitoring for credits
12.00 - 12.30	Getting the most value from your Proficiency Testing participation	Save Time on Flow Profiling - Learn more about the new handheld AquaProfilerTM-M	Portable Water Testing - Not all reagents are the same	Final Effluent Monitoring in Real Time. A major Advance. Real Time Ammonium Measurement	Monitoring Critical Water Parameters in the Distribution Network	How to manage and analyse water quality sample data more efficiently? An introduction to a new solution	SIL and functional safety of gas detection apparatus
<b>Lunch</b>							
13.30 - 14.00	EPR & MCERTS: large scale flow & environmental monitoring using the latest telemetry technology	3µg/L Quick Detection of Lead in Water using New Photometric Method	Dual-accredited inorganic and organic standards in environmental analysis	Using Handheld Computers in and around LIMS for Improving Sampling and Microbiology Data Handling Efficiency and Compliance	AquaSensors – Analytical Water Quality & Process Measurement Systems for the Digital World.	An Mcert suppliers perspective on Solar Radiation	Sampling solutions for gas detection in the water industry
14.30 - 15.00	Development, design & operation of CSO sampling & monitoring systems	Automated Trace Metal Systems	Internet, Satellite & Cell Phone Telemetry / Measurement Sensor to Website for Water Flow, Water Level, Water Quality & Weather Data		MCERTS, for Industrial EPR Operators covering Self Monitoring of Effluent Flow	Confidence in Analytical Data through the use of Guide 34 Certified Standards	Gas Detection within the Water Industry
15.30 - 16.00		How to save money and reduce carbon emissions by pumping station optimisation	An introduction to a new generation of discrete analysers	Improved Turbidity Measurement for the Water Industry	Remote Sensing of Water Quality using satellite imaging technology in the UK and Republic or Ireland - A new approach	Reliable Detection of Insoluble hydrocarbons on Water, discussion on challenging applications and successful resolutions	Bump testing versus calibration

**Thursday 11<sup>th</sup> November 2010 Day Two**

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Gas Detection Room
10.00 - 10.30		On-line monitoring of industrial facility discharges: Challenges and Solutions	Laboratory Elemental Analysis and TOC in Environmental Monitoring- applications and examples	The Benefits of Remote Data Monitoring	Achieving low cost compliance with the Environmental Liabilities Directive & ISO14001 using in-Drain Pollution and Firewater Containment Technology	Chlorine Dioxide Testing	Introduction of new wave length range between 8-11µm of the tunable Fabry-Perot filter for the pyroelectric detector
11.00 - 11.30	Monitoring of volatile fatty acids and inorganic anions in anaerobic bioreactor effluent by microchip capillary electrophoresis	On-line monitoring of heavy metals in effluent discharges	Online Monitoring of free, combined and total chlorine	EPR & MCERTS: large scale flow & environmental monitoring using the latest telemetry technology	AquaSensors - Analytical Water Quality & Process Measurement Systems for the Digital World	Business Benefits of UKAS Accreditation	Calibration Gases in perspective
12.00 - 12.30		How to optimise energy efficiency by accurately matching pumps to their rising mains	Improving your Effluent Monitoring to Save Energy and Cost	What's wrong with my water? Using software to solve organic chemistry problems and emergency samples faster	A new way to measure ammonia in water and waste water	TOC, advancing beyond COD and BOD	Pro's and Con's of combustible gas sensor technologies
<b>Lunch</b>							
13.30 - 14.00	Benefits of a digitised common platform for water industry instrumentation	Electro Filtration Filter Technology	Dual-accredited inorganic and organic standards in environmental analysis	Real-time (<15 mins) multi-parameter water quality monitoring and the Water Framework Directive	When is COD not COD? An introduction to a new technique	Monitoring emissions to atmosphere - critical design and operating criteria	Key legislative changes affecting calibration gases
14.30 - 15.00	Development, design & operation of CSO sampling & monitoring systems	New method for Free Chlorine and Iron testing	Quality assurance of online instrumentation in potable water applications	Compound Weirs For Flow Measurement	Sensor data supporting important decisions needs proven integrity, but who makes the decision that this data is correct?		PID Awareness
15.30 - 16.00		Modular Vacuum Belt Filtration	Dispelling the Myths of MCERTS			BioTector - a different approach to on-line TOC analysis	The OPITO Standard Authorised Gas Tester

## Companies Represented at WWEM 2010

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