

Member Newsletter

3 World Water Monitoring Day



4 60 second interview



5 IWA Specialist Groups – Wastewater Treatment



10 New IWA Events



11 Beijing 2006



News update from IWA Executive Director, Paul Reiter

The Executive Committee meeting that took place on 8 and 9 July 2005 was hosted by the National University of Singapore (NUS) and the Singapore Public Utility Board (PUB). The meeting preceded the first IWA – ASPIRE Conference which ran from 10 to 15 July. Here are some of the key issues and highlights from that meeting:

2004 Annual Report

Last year represented another extremely successful year for the Association in terms of its technical programs, the quality of its conferences and new developments. We saw great work done on the Bonn Charter on drinking water, successful Leading Edge conferences and outstanding program at the Biennial World Water Congress in Marrakech.

Financial challenges in Marrakech have meant that 2005 will see IWA pursue a conservative financial approach and tight budgeting to provide a sound base for its core programs and the 2006 Congress in Beijing.

London Staffing

There have been a number of significant changes in our London Headquarters staff (more on p9):

- Tom Mollenkopf has joined us as the new Deputy Director replacing Mark Pascoe who left in April this year. Tom's role has a focus on the London HQ operations including financial management.
- Laura Moore, Executive Secretary, resigned in July to take up another position. She will be known to many

of our members, especially those on the Governing Board or Strategic Council, and will be sadly missed.

A new Executive Secretary has joined us - Avril Bunton-Williams. We also have a new HR Manager and Executive Assistant to the Deputy Director, Maddie Birch-Jackson.

Our new people will play a key role in servicing the IWA family and our external stakeholders.

2006 Beijing Congress

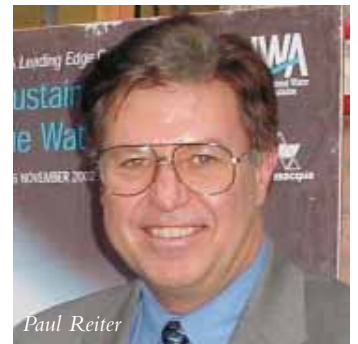
Preparations for the next Congress in September 2006 in Beijing are now well under way (more on p11). The call for papers/proposals has been issued and Exhibition and Sponsorship marketing is under way. Our Congress President, Vice Minister Qui Baoxing has established a project team within the Chinese Ministry of Construction to work with us in delivering this Congress. I look forward to your participation in the lead up to the Congress and in Beijing next year.

Specialist Group Review

The review of Specialist Group arrangements and issues resulted in a very successful meeting in Maastricht in April 2005 (more on p7). The recommendations from this meeting have been accepted by the Executive Committee. They include:

Governance

A small working group convened by Senior Vice President, David Garman, has been asked to prepare a report for the Governing Board outlining the Governance issues for IWA. We have a number of compliance requirements from the



UK Charities Commission, as well as the need to continue to properly and effectively represent the interest of all of our members. It is expected that there will be an opportunity for all members to contribute to this discussion over the next 12 months.

Leading Edge Conference

The Leading Edge Technology Conference in Sapporo in June 2005 was an outstanding success. Some 300 plus participants attended this extremely well organised event. Our thanks and congratulations go to the Sapporo organising committee and Prof Saburo Matsui. We will be continuing with the Leading Edge series, probably on a biennial basis.

Governing Board Meeting, Oaxaca, Mexico October 2006

The Governing Board will meet in Mexico on 7 October. This will coincide with meetings of the Executive Committee 3-4 October, Strategic Council 6 October as well as the IWA Program Committee 5 October. We are also planning a Utility Forum.

Thanks to NUS and PUB

Our sincere thanks go to the IWA Board Member, Professor Ong of NUS, Chairman of PUB Mr Tan Gee Paw and Chief Executive Mr Khoo Teng Chye for their



Members in the news

Jerry Gilbert was recently awarded the Abel Wolman Award, the most prestigious award given by the American Water Works Association. Jerry served as AWWA president for its centennial in 1980-1981. He also served on the IWA Executive Committee, the IWA Merger Committee and most recently he was the Chairman of the IWA Programme Committee between 2000-2005.

John Langford was included in the Australian Honours List this year to become Member of the Order of Australia (AM) in recognition for service to water resource management, particularly through organisations that regulate and research water supply, quality and usage.

Both John and Jerry have been long-standing and active members of IWA – CONGRATULATIONS!



IWA Membership news – New corporate members

Since the publication of the last newsletter, IWA has welcomed three new corporate members:

Hadassah College, Jerusalem, Israel

www.hadassah-col.ac.il

The Environmental Health Sciences programme department of Hadassah College is a unique field of study meant for those individuals who are interested in creating a healthy environment for mankind and want to acquire a needed profession that incorporates a sound science base with a mission and way of life.

Environmental Health Sciences is an interdisciplinary course of study incorporating biology, chemistry, public health and engineering, with an emphasis on the effect of the environment on human health and its control. The program includes both theoretical as well as practical aspects related to the assessment and control of environmental factors that could potentially be dangerous to the health of the current and future generations.

The curriculum in Environmental Health Sciences is designed to educate professionals by

providing graduates with the tools necessary for identification, assessment, prevention, and control of environmental factors potentially harmful to human health, quality of life and to the stability and sustainability of ecosystems. In addition, graduates will obtain the necessary skills to plan, implement, update and enforce related programs.

Odense Water Ltd – Denmark

Odense Water Ltd. is a municipally owned company which covers all areas of expertise concerning water supply and wastewater treatment in Odense, the 3rd largest city in Denmark.

The company has many years' experience within both areas – water and wastewater.

The first modern water supply system in Denmark was established in Odense in 1853 and the first sewers in Odense were built in 1864.

Odense Water Ltd. operates 8 waterworks which supply about 11 million. m3 of drinking water per year to 150,000 inhabitants, institutions and industries in Odense. The company also treats 97% of household wastewater as well as all industrial wastewater in the local area at its three wastewater treatment plants. All three plants are

up-to-date MBC treatment plants which treat approx. 30 mill. m3 of wastewater every year. Many years' experience, combined with advanced technology and highly-trained employees make Odense Water Ltd. the right partner for solving technical problems regarding operational assignments, rehabilitation and processes within the fields of water supply and wastewater.

E.Y.D.A.P. S.A. Athens Water Supply and Sewerage Company

www.eydap.gr

EYDAP is the largest water utility in Greece servicing the greater metropolitan area of Athens with a population of approximately 4 million people (close to 40% of the entire population of Greece) for the last 80 years. The company is presently a public sector company with stocks traded on the Athens Stock Exchange and an annual turnover of 327 million euro (fiscal year 2004). Aside from its core business activities of providing water supply and sewerage services for the entire EYDAP S.A. is also actively pursuing new business opportunities as a water operator in the rest of Greece as well as in other areas of Southeastern Europe and the Mediterranean. For more information, please visit our website www.eydap.gr.

News update (continued from front page)

hospitality in hosting the Executive Committee meeting in July and their contribution to the ASPIRE conference. We held private meetings with NUS and PUB to explore further collaborative opportunities.

A major initiative will be an IWA CEO Forum to take place in Singapore in May 2006. We will be working with Singapore PUB and others in the region to ensure this forum provides Utility CEOs with the venue for a quality dialogue on current challenges and opportunities.

IWA – ASPIRE Conference

The first Asian regional conference following the merger of ASPAC and Water Qual into ASPIRE, was held in Singapore in July 2005. The IWA Executive Committee meetings were held in Singapore in conjunction with this first ASPIRE conference. By all accounts, the conference was deemed a great success, both in substantive and organizational terms, with over 700 delegates from the region. The Singapore National Technical University (NUS)

and the Singapore Public Utilities Board (PUB) teamed up to organize both the technical program and the organization of the event, with NTU playing the lead role on the former and PUB on the latter.

This very successful event has set a high standard for the 2007 ASPIRE conference in Perth and the 2009 ASPIRE conference in Taipei – a fact acknowledged by both organizers of these future biennial meetings of ASPIRE.

IWA Young Water Professionals Programme

The Young Water Professionals Programme provides professional development and networking opportunities to young professionals and students under the age of 35 who contribute to the water and wastewater sector through study, work or practice. For more information, please visit www.ywp.iwahq.com



Young Water Professionals Programme

worldwide attention.

German National Young Researchers Conference: Emerging Pollutants and Emerging Technologies 27-28 October 2005, Aachen

This conference takes place subsequent to the conference on membrane technology in the treatment of municipal waste water and drinking water (www.ivt.rwth-aachen.de/atsv). It is organised in collaboration with the Department of Chemical Engineering and the Institute of Environmental Engineering and attracts

IWA Young Researchers Conference May 24-26, 2006 Singapore

The call for papers for this biennial event exclusively for young water professionals is now open. This is the third edition of this biennial international event covering all aspects of the water cycle. Please visit the conference website for more details at www.yrc2006.iwa-conferences.org. The deadline date for submissions is September 30th 2005.

World Water Monitoring Day

On October 18th, more than 75,000 people in 50 countries will celebrate World Water Monitoring Day by testing the quality of their local watersheds and entering the data in IWA's online database. The goal of this global education and outreach event is to raise awareness of the importance of clean water and promote environmental stewardship. During the month long monitoring period, participants will use a simple testing kit to monitor key water quality indicators: temperature, pH, dissolved oxygen and turbidity.

It's easy to take part. You can register monitoring sites in your country by visiting the World Water Monitoring Day web site at www.worldwatermonitoringday.org. If you are interested in coordinating monitoring activities in your country, email Tom.Hadfield@iwahq.org.uk to request leaflets, posters and Save the Date cards.

A limited number of monitoring kits are available for free to participants from low income countries. To support this initiative, IWA members who are in a position to do so are encouraged to make a donation to cover the cost of providing these kits by visiting www.wvmd.iwahq.com.

Paul Reiter, IWA's Executive Director, says WWMD is an opportunity for people everywhere to adopt a local waterway and report on its quality year after year. He says: "By working together, we intend to create a global core of concerned and action oriented people who will become an important part of our efforts to educate the world's citizens about the critical need for clean water."



Register your site on

- www.worldwatermonitoringday.org. Choose any lake, stream, bay, or other waterbody where you can safely monitor.
- Prepare your monitoring equipment. Use your own equipment or purchase an easy-to-use test kit.
- Monitor your site. Invite others to help you monitor or do it yourself. Visit your site anytime from September 18 through October 18 to test the water.
- Report your data. Results may be entered anytime from September 18 through December 18 on the WWMD web site.

World Bank Institute funding



The World Bank Institute's Water Program has announced that it will co-sponsor the IWA Specialist Group Conference on Water Loss Reduction scheduled to take place in Halifax, Canada 12-14 September 2005.

The sponsorship will fund the printed proceedings and the corresponding CD. This material will be used also as background material for dissemination in Indonesia through a twinning arrangement with PERPAMSI, the Indonesian Water Supply Association. PERPAMSI is involved in the Governance of IWA as the representative organisation on the IWA Governing Member Committee for Indonesia.

The World Bank Institute is the capacity development arm of the World Bank, and helps countries share and apply global and local knowledge to meet development challenges. WBI's capacity development programs are designed not only to build skills among groups of individuals involved in performing tasks, but also to strengthen the organizations in which they work, and the socio-political environment in which they operate.

The Institute's thematic learning programs include courses, seminars, and policy advice on topics that are important to the international development process. They are normally tailored to specific country needs and can also address global issues such as governance or knowledge for development.

The Water Program addresses global water

challenges by strengthening institutions for better water management and delivery of water and sanitation services. The Program operates within the framework of the existing Bank policies and strategies on water resources management and sanitation, as well as other related sectors, including environment, rural development, and health (www.worldbank.org/wbi/).

The IWA Water Loss Reduction Speciality Conference – Leakage 2005 - was organised by the IWA Water Loss Task Force, one of several task forces of the IWA Specialist Group on Efficient Operation and Management of Urban Water Systems (<http://www.iwaom.org/>).

Other task forces operating within this group are:

- Performance indicators for water supply
- Performance indicators for wastewater
- Leading edge technologies
- Efficient water management
- Benchmarking
- International demand management network

This conference presented the latest developments, strategies, techniques and application of the international best practices in water loss management, auditing and control. The event reviewed the international approach to water auditing, strategies for water loss reduction, performance measurement, real and apparent loss control, international benchmarking, success stories from utility application of IWA strategies, new technology and discussion forums. Further information including the programme can be found on the event's website www.leakage2005.com.

60 Second Interview Series – Glen Daigger

This issue of the newsletter features the first in a series of 60 second interviews of IWA members. Through this series we hope to raise awareness so that existing and potential members understand more the work and value of IWA. The interview provides us also with an insight on key issues and future challenges in the industry.

The first in the series is with Glen T. Daigger, Ph.D., P.E., DEE, NAE, Senior Vice President and Chief Technology Officer at CH2M HILL with responsibility for the technology function for the firm's water businesses (water resources, water supply and treatment, wastewater). Dr. Daigger is a recognized expert in the areas of wastewater treatment and wastewater management. He has been with CH2M HILL for more than 25 years and has served in his current position for 8 years. He was formerly Professor and Chair, Environmental Systems Engineering, Clemson University. He joined IWA (actually IAWPR) in 1973 as a graduate student at Purdue University and has maintained active membership ever since because of the professional associations and professional information that membership provides.

What do you consider to be the most significant recent change in your field of expertise to have occurred in the last 10 years?

The transition from carbon (BOD) removal as the principal focus of wastewater treatment to the removal of a much broader range of constituents (such as nutrients, and more recently endocrine disruptors). This, in turn, is coupled with a transition from a principal focus on treating wastewater for discharge to treating wastewater for reuse, including environmental restoration.

What do you consider to be the most significant future challenge that professionals must deal with in the next 10 years?

Resolving the degree of treatment required to adequately protect public health and the environment in the face of the range of evolving constituents of concern, such as endocrine disruptors, pharmaceuticals, and personal care products.

Whom do you consider to be the leading expert in your field, outside of your own organization, and why?

Rather than singling out some of my colleagues, I want to emphasize the role played by some of the founding giants of our profession. We have a long term vision today because we stand on the shoulders of giants. Some of our living pioneers include Perry McCarty, David Jenkins, Les Grady, James Barnard, and many others too numerous to mention. Our profession is blessed with many outstanding leaders who have created the framework that we continue to build on.

Which report, product or service from your organization deserves more attention and why?

I am very proud of the role that CH2M HILL has played over the years in both creating technology but also implementing it in benchmark projects that demonstrate that reclaimed water is a resource to be used, not a waste to be disposed of. Beginning with the South Lake Tahoe Advanced Treatment Plant in the late 1960's; continuing through projects like the Millard Robbins Water Reclamation Plant for the Upper Occoquan Sewage Authority; to the NeWater plants in Singapore to the Broad Run Water Reclamation Plant in Loudoun County, Virginia, we have consistently advanced the technology and practice of producing high quality reclaimed water that is suitable for the highest use.

In what ways would you like to see IWA change in the next 5 years?

Let me provide two responses to this. First, something that I hope does not change. IWA does an outstanding job of linking academics and leading practitioners to advance both science and practice in the water arena. I urge IWA to maintain this as not only a core mission, but as a distinguishing mission for the organization. In terms of changes, I would urge IWA to become more and more inclusive in its governance – reaching out as broadly as possible to academics and leading practitioners around the globe.

Special interests...

I am particularly interested in two areas. One is wastewater treatment technology – how can we refine existing treatment technologies and either evolve them or implement new treatment technologies to produce high quality effluents that can serve a number of purposes (reuse in a broad term, including environmental restoration).

The second area is the evaluation and development of new approaches to overall urban water management with much greater performance characteristics from an environmental and sustainability perspective. We live on a water scarce planet with a significantly increasing population living in areas of water stress and demanding effective solutions that will enhance the quality of life for the residents of those and other areas.

What are the key fracture points – issues of conflict or debate in your specialist area?

I certainly am not a proponent of "treatment for treatment's sake". But, there are those in our profession who appear to believe that wastewater solutions are more "sustainable" if they use less energy and/or chemicals, even at the price of poor effluent quality. I believe that our focus needs to be on producing effluents that are protective of public health and the environment. We should not do this at "any cost". But, we need to be the professionals who stand up for clean water for, if we do not, who will?

Forthcoming news of interest...

I am very pleased that Professor Nancy



Love is joining Les Grady and me as we work on the third edition of Biological Wastewater Treatment. It is surprising the quantity of new information that is available since we completed the second edition in the latter half of the 1990's. An example is the discovery of the Anammox biochemistry and microbiology and its commercialization. Our profession continues to evolve – there's always something new. We hope to capture the more important of these developments in the third edition.

Career defining moments...

Three defining moments are certainly tied to mentors who have become colleagues. I may not have become an Environmental Engineer except for the inspiration and role model provided by Les Grady when I met him as an undergraduate Civil Engineering student at Purdue University. Meeting David Jenkins at the San Jose/Santa Clara Water Pollution Control Plant was also certainly a turning point in my professional career. John Filbert of CH2M HILL has also been an important mentor in both life and what it means to be a professional person. It all comes down to people.

Contact details:

Glen T. Daigger, Ph.D., P.E., DEE, NAE
Senior Vice President
CH2M HILL
Englewood, CO, USA 80112
Direct Line: 720-286-2542
Fax: 720-286-9271
Mobile: 303-478-0777
e-mail: Glen.Daigger@ch2m.com

IWA Specialist Groups

Research and practice of wastewater treatment

IWA Specialist Groups form the basis of IWA and are important vehicles for all "water people" interested in interactions on scientific, technical and management topics throughout the world. The Groups provide a sound structure of networks for international specialists to share knowledge, information, skills, and make good professional and business contacts.

For a full list of IWA's specialist groups and their activities view the IWA website - <http://www.iwahq.org.uk/template.cfm?name=groups>. To take advantage of this networking opportunity, and become a member of any specialist group (or change your group membership) simply contact the IWA membership department (members@iwahq.org.uk) and tell us which groups you would like to join.

This issue of the newsletter features the activities of seven IWA Specialist Groups active in the research and practice of wastewater treatment:

- Membranes Technology
- Design, Operation and Costs of Large Wastewater Treatment Plants
- Design, Operation and Maintenance of Drinking Water Plants
- Planning and Construction
- Small Water and Wastewater Systems
- Water and Wastewater Technologies and Management Strategies in Developing Countries
- Urban Drainage

IWA Specialist Group on Membrane Technology

This group covers the field of membrane technologies for the treatment of both drinking water and wastewater. The Group was recently restructured and the new management committee will be composed of 12 members from a mix of geographical locations, topical (Drinking Water and Wastewater) and professional interests (Academia, Consultancy, Manufacturers and Utilities). The role of the Committee will be to revise the description of the group, to widen its scope and include membrane technology for drinking water and industrial water production. The new committee will, as a priority, develop conference activities and other targeted efforts.

For more information on the group see the group's page on internet at: <http://www.iwahq.org.uk/template.cfm?name=sg29>

or contact the Chair: Prof Gideon Oron, Ben-Gurion University of the Negev, Israel, E-mail: gidi@bgu.ac.il

IWA Specialist Group on Design, Operation and Costs of

Large Wastewater Treatment Plants

This group seeks to act as a platform whereby designers, operators, manufacturers and scientists can discuss the interactions between their various specialists tasks connected with large wastewater treatment plants. Also, it encourages a common approach to the evaluation of research and its application and to promote the implementation of research findings. The group has almost 800 members from 72 countries all over the world. Many of them visit our well-known Vienna workshops, organised every four years in Vienna, Budapest or Prague.

Forthcoming events

- 10th Vienna workshop to be held in Vienna in 2007. All group members and other experts are invited to attend this conference and to submit a full paper. Papers on experiences from practice are preferred. Practitioners who presented papers in Prague are invited to continue their research and present the results as a follow-up paper
- conference co-organised by this Group along with the IWA Specialist Group on Nutrient Removal and Recovery Nutrient Management in Wastewater Treatment - Processes and Recycle Streams scheduled for 18-21 September 2005 in Krakow, Poland. Details on: www.bnr2005.krakow.pl

As in previous years, this group is supporting the IWA Programme Committee develop the track on wastewater treatment for the IWA World Water Congress, Beijing, 10-14 September 2006 - www.iwa2006beijing.com.

For more information on the group see the group's page at:

<http://www.iwahq.org.uk/template.cfm?name=sg04> or contact the Chair: Prof. Dr.-Ing. Harro Bode, Ruhrverband, Email: bode@ruhrverband.de

IWA Specialist Group on Design, Operation and Maintenance of Drinking Water Plants ****NEW****

This Specialist Group was created at the beginning of 2005 with the objective of providing a forum for the exchange of scientific, practical and operational experience for those involved in the design and the operation of drinking water plants. The group aims to provide a vehicle for scientists and operators to enter a dialogue with other bodies that impact on the operation of drinking water plants (e.g. pesticides manufacturers).

The Group has a matrix organization: five geographic zones (Africa, America, Asia, Austral Asia, and Europe) and six sub-groups on specific scientific, technical and operational topics (removal of organics, removal of algae and their metabolites, removal of inorganics, maintenance strategies, vulnerability and risk, upgrading/rehabilitation options for existing plants).

Current activities

- The Chairman of the sub-group on Removal of Algae and their Metabolites, J P Duguet, will publish a report on this subject in March 2006
- C. Anselme, chairman of the sub-group on Upgrading/ rehabilitation options for existing plants is planning a workshop to take place during the IWA World Conference, Beijing, 2006
- The sub-group on Removal of organics that is chaired by J.M. Lainé is currently involved in a study on Endocrine disruptors



Wastewater Treatment Plant, Arnsberg-Neheim, Germany

For more information on the group's activities visit:
<http://www.iwahq.org.uk/template.cfm?name=sg40>

or contact the group's Chair: Joel Mallevalle; Email: Mallevalle.joel@wanadoo.fr

IWA Specialist Group on Planning and Construction

This specialist group is the discussion and exchange forum within IWA for organizations and individuals concerned with the engineering planning and construction of water distribution facilities such as networks, pumping stations and treatment works and sewage collection facilities.

Recent Events

- a workshop on Computer Aided Rehabilitation of Water Networks (CARE-W) took place in Dresden, Germany in late 2002
- a successful conference 'STORAGE 2004' (www.storage2004.org) took place in Geneva, 12-14 May 2004. This event brought together professionals from the water industry, operators of water supply systems, university researchers, decision makers and students to exchange experiences to report on the best practices and latest technology in the field of drinking water service reservoirs
- Members of the group meet at least once each year, most recently in 2004 during the Marrakech World Congress and again in 2005 in Santiago de Chile. Both these meetings were organized jointly with the IWA Specialist Group on Efficient Operation and Management of Urban Water Systems

The group is now planning its next conference on Urban Infrastructure Rehabilitation that will take place in Czech



Wastewater Treatment Plant, Duisburg-Kasslerfeld, Germany

Republic – date and city to be confirmed.

For more information on the group visit:
<http://www.iwahq.org.uk/template.cfm?name=sg44>

or contact the Chair: Hanspeter Ruefenacht, Geneva Water, Email: Hanspeter.Ruefenacht@sig-ge.ch

IWA Specialist Group on Small Water and Wastewater Systems

This Specialist Group deals with small water and wastewater systems serving individual households, a cluster of households or a community. The emphasis is on localised systems that lend themselves to the recycling and reuse of water, and the removal and recycling of nutrients. Small systems promote the closing of the water and nutrient cycles and thus achieve sustainability. More recently the Group's interest has also included package plants and other systems serving small-scale industry.

Challenges of "small" systems

Associated with the size and the resources for operation and maintenance, in many countries there is a lack of qualified personnel to provide the expertise for the optimal operation conditions. This is why small systems represent a challenge for the small communities or industry to achieve the effluent values imposed by the regulations. Therefore the "Small" systems must deal with a wide variety of knowledge topics from basic concepts of physics, chemistry, biochemistry and microbiology through to the fundamentals of process engineering, to design practices and operational matters. Training of personnel is one of the most important keys to successful operation of the systems. The Group recently increased its activities to include complex systems treating industrial wastewater.

Events

The group held successful conferences in Istanbul, Turkey in September 2002 and in Perth, Australia in February 2004. The group's next conference, the 7th Specialised Conference on Small Water and Wastewater Systems, will be held in Merida, Mexico, in March 2006. For more information on this event visit the web page at <http://pumas.iingen.unam.mx/Small2006>.

For more information on this specialist group's activities visit:
<http://www.iwahq.org.uk/template.cfm?name=sg28>

or contact the Chair: Dr Simon Gonzalez, Institute of Engineering, National University of Mexico, Email: sgm@pumas.iingen.unam.mx

IWA Specialist Group on Water and Wastewater Technologies and Management Strategies in Developing Countries

An objective of this Specialist Group is to facilitate the development and implementation of appropriate technologies for water supply and sanitation in developing countries. These

technologies can serve their purpose only if they are seen as an integral part of the overall water management. Appropriate management strategies allowing for participation and good water governance are seen as a key driver for successful and sustainable integrated water management.

This Group specifically deals with the many cross cutting issues relevant for a successful water management in developing countries. Doing this provides added value to the other IWA specialist groups by means of overseeing water management issues in developing countries through an integrated perspective, drawing and building upon the expertise of other IWA specialist groups. Regionally, the group encompasses countries in transition, such as Newly Independent States or the South-Eastern European countries, as they share many similar problems of developing countries.

Forthcoming event

This Specialist Group has initiated the 1st World Conference for Water Management in developing countries. This conference is scheduled to take place in Malaysia in 2007, and will deal with water supply and wastewater as well as integrated water resources management. The event aims to provide a better perspective on the latest development of water management and technology relevant for developing countries. Special emphasis will be given to the challenges of water management in tropical regions. The conference is further intended to be a platform for policy makers and water utilities in developing countries in order to discuss the latest developments in the field during special conference workshops. Related activities in South Eastern Europe are currently under consideration also.

The Group has recently elected a new Management Committee and the new chairman of the group is Prof. Zaini Ujang from the University Technology Malaysia (UTM). The secretaries are Mr. Markus Starkl from the University of Natural Resources and applied Life Sciences, Vienna, and Prof. Zulkifli Yusop, also from UTM.

For more information on the group see the group's page on internet at:
<http://www.iwahq.org.uk/template.cfm?name=sg20>

or contact the Chair: Dr Zaini Ujang, University Technology Malaysia, Email: zaini@fica.utm.my

IWA Specialist Group on Urban Drainage

This IWA Group is operated jointly with the International Association on Hydraulic Engineering and Research (IAHR) and aims to foster fundamental and applied research on urban drainage. The group sponsors a major triennial international conference on urban drainage and the 10th Urban Drainage Conference was held in Copenhagen August, 2005. The conference provided a forum for



Christoph Ort (holding the award trophy), Hans Korving and Torsten Franz flanked by members of the referee panel Richard Ashley and Jiri Marsalek (left) and Wolfgang Rauch and Peter Steen Mikkelsen (right)

sharing the latest information on urban drainage. The conference featured an inaugural award of the Professor Poul Harremoës Prize commemorating the former Chairman of the UDSG and President of IAWPRC (predecessor of IWA). The Award was won by Christoph Ort from EAWAG, Switzerland

The Group operates as an umbrella organization for seven working groups specializing in various topics related to urban drainage. Selected activities include:

- The group on Data and Models is cooperating with Australian colleagues on preparing the 7th International Conference on Urban Drainage Modelling to be held in conjunction with the 4th International Conference on Water Sensitive Urban Design, in Melbourne, Australia, Apr. 2-7, 2006.
- The continuing interest in real-time control of sewer systems is reflected in activities of the Real-Time Control (RTC) of Urban Drainage Systems WG, which will be holding a RTC

seminar in conjunction with the 10th ICUD (August 2005).

- The working group on sewer systems and processes has been very active in studying physical, chemical and biological processes in sewers and applying the acquired knowledge in improved design and operation of sewer systems. The group held its 4th specialized conference in November 2004, and the next conference is scheduled for Nov. 2006 in Vienna, on Sewer Operation and Maintenance.
- The working group on urban rainfall will be holding the 7th International Workshop on Precipitation in Urban Areas in St. Moritz, Switzerland, in Dec. 2006. These workshops have an excellent tradition in reviewing the latest knowledge and practice in collecting, analyzing and applying urban precipitation data in urban drainage design.

Finally, Prof. Wolfgang Rauch (University of Innsbruck, Austria) completed his term as the Chairman of the UDSG in August, 2005 and he will continue to serve as the group's representative on the IWA Strategic Committee. UDSG is in the process of electing a new Chairman and looks forward to the continuation of strong leadership of the Group.

For more information on the group see the group's page on internet at: <http://www.iwahq.org.uk/template.cfm?name=sg12>

or the Secretary: Dr Jiri Marsalek, National Water Research Institute, Canada. Email: jiri.marsalek@cciw.ca

Feedback from the IWA Specialist Group Review Group

The Specialist Group Review Group (SGRG) was set up earlier this year to review the operation of IWA Specialist Groups (SGs). The recommendations of this group are now being implemented.

The SGRG identified initiatives of IWA which will depend on the active involvement of SGs for their success:

- Development of the Young Professionals Programme that aims to provide professional development and networking opportunities to Young Professionals and students under the age of 35 who contribute to the water and wastewater sector through study, work or practice.
- Preparation of the programme for IWA Biennial Congresses and other IWA events through, for example, the recruitment of referees.
- Development and delivery of the IWA 5year Strategic Plan.

The SGRG considered that SGs should be

firmly at the core of IWA so that they might better engage with the IWA London office and contribute across a wider range of IWA activities. In order that SGs might achieve this higher level of engagement with London and at the same time retain their 'bottom-up' character, existing procedures and support activity need to be modified and strengthened.

The SGRG proposed that the existing relationship between IWA London office and the SGs should be seen as a partnership. A partnership relationship is particularly appropriate for a professional organisation where one partner is made up of volunteers that are focused on research, technology and practice, and the exchange of scientific, technical and management knowledge across the complexity of water.

A partnership agreement was proposed therefore, that is more akin to a set of 'family rules' than a rules-based approach. This approach received widespread support since the partnership concept allows proper respect of the

'bottom-up' spirit of the SGs and while enabling the obligations of each partner to be identified and agreed on. This 'Partnership' document, signed by the President of the Association, Laszlo Somlyódy, will be distributed to SG Leaders in the near future, with an invitation to enter into the partnership by endorsing the contents of the document.

Other recommendations were made by the SGRG were:

- Improved communications between IWA London and SGs
- financial arrangements between the SGs and IWA London
- process for the creation of new SGs and the winding up of moribund ones
- the relationship between the Strategic Council and SGs

IWA London staff is currently working with the secretary to the SGRG, John Tyson to implement the recommended changes.

REGISTRATIONS NOW OPEN FOR:



7th IWA Symposium on Off-Flavours in the Aquatic Environment

Oct 2 - 7th, 2005, Ontario, Canada



The event will bring together international specialists from academic institutions, research centres and industry, and participants interested in water supply and water cycles to discuss source treatment, perception, control and effects of off-flavours. The purpose of the conference will be to gain a better understanding of how off-

flavours in the aquatic environment are created and how to analyze, treat, and control them. It will focus on effects and applications specific to drinking water, wastewater, and aquatic environments such as lakes, rivers, and estuaries. This Symposium is held every four years, the last event was held in Barcelona, Spain.

For more information contact:

Christina Collard

Tel: + 1 613 936-6620

Fax: + 1 613 936-1803

email: ccollard@riverinstitute.com

www.riverinstitute.com/conferences/off-flavours/

Focus on the Danube Region

EXPO APA 2005

BUCHAREST, ROMANIA 15 – 17 of June 2005

The Romanian Association of Water Professionals – ARA – celebrated its 10th anniversary in style.

The Romanian Water Association (ARA), in collaboration with IWA, Water Association for the Danube Catchment's Area (IAWD) and the European Union of National Associations of Water Suppliers and Waste Water Services (EUREAU), organized a series of events at the Palace of Parliament Bucharest, on 15th – 17th of June 2005:

- International Conference for Young Professionals "Innovations in the field of water supply, sanitation and water quality management"
- Conference "Challenges in the water sector"
- International Specialized Exhibition for Water Supply, Sewerage and Wastewater Treatment
- ARA General Assembly
- Seminars on Public-Private Partnership; Regionalization of the operators in the water field; Financing Water Infrastructure in order to meet the EU requirements

The opening ceremony of this impressive series of events was attended by the Romanian Prime-Minister, the Minister of Environment and Water Management, of the Secretary of State from the Ministry of Education, the representative of the European Commission Delegation to Bucharest and the IWA President, along with over 400 participants.

This event was extremely important in the context of Romanian needs of the water supply and sewerage sector, in the context of Romania adherence to the European Union in the



following years and as a meaningful value exchange between participants in this field of activity.

The **International Conference for Young Professionals** was coordinated by a group of well-known specialists from Romanian and abroad, lead by Prof. Sandu Marin. IWA President, Prof Laszlo Somlyody, opened the Technical Conference, highlighting the importance of such event in the context of IWA activity and the future IWA Congress, which will take place in 2008, in Vienna.

During the **Seminar on Public-Private Partnership** examples were presented of international experience from Great Britain and the EBRD model regarding this activity for Romania and abroad. Romania presented the two VEOLIA concessions, in Bucharest and Ploiesti and the stage of PPP in water Company Arad. The discussions on this topic revealed the restraint of Romanian companies and local authorities for the implementation of PPP projects.

The **Seminar on Regionalization** of the operators in the water field offered an image of the way in which this process took place in Great Britain and the Netherlands and the possibility to compare them to the Romanian present stage, in some counties. The experience of SAMTID and Water Company Botosani represent local examples to be followed, taking into consideration that company's reorganization is an imperative in funding supported by EU and financing banks.

This seminar on **Financing Water Infrastructure** in order to meet the EU requirements included the following topics: EU financial support, Co-financing by loans (IFI's, commercial banks), Participation of the private sector, Affordability and water economy. The

Romanian Water Companies that are involved in different programs with foreign financing (EU, World Bank) had the opportunity to show their development and results within a special session with 5 presentations.

All the events that have taken place during ARA's 10 years of existence confirm its role as a professional leader in Romania and in the region in its aim of improving the water and sewerage services infrastructure in Romania according to European standards.

Forthcoming event – Water Utility Leaders

An IWA Water Utility Leaders forum focused on the Lower Danube Region will take place in Romania 21-22 November 2005. International as well as local speakers from the region will facilitate this event that will deal with topics ranging from EU requirements (implementation, lessons learnt) to institutional matters (regionalisation, regulation, benchmarking). The Romanian association – ARA – will be in contact with delegates on this event a nearer the time.

Nomination Deadline for the 2006 Stockholm Water Prize is September 30 2005

The Stockholm Water Prize is presented annually to an individual, institution or organisation for outstanding water-related activities. The activities can be within the fields of aid, awareness building and education, engineering, management or science. Nominations for the \$150,000 Stockholm Water Prize are welcome and will be accepted until September 30, 2005. For more information visit: www.siwi.org/swp/swpnominate.html

Nominations deadline for Prince Sultan prize 31 December

Nominations have been invited by the end of 2005 for the 2004-06 round of the Prince Sultan Bin Abdulaziz International Prize for Water, which seeks to reward the best work of researchers in water resources. The Secretary General of the Prize, Dr Abdulmalik Al Al-Shaikh, has already begun an exhausting promotional itinerary which will take in every major water-related conference this year.

The Prize is especially intended for those seeking to solve the problems of arid or semi-arid regions. An award of \$133,000 will be made in each of five branches, each of which has a particular topic for this round:

- Surface Water: Water Harvesting
- Ground Water: Management of Coastal Aquifers
- Alternative (non-traditional) Water Resources: Treatment and Reuse of Wastewater
- Water Resources Management: Integrated and Sustainable Water Resources Management in Arid and Semi Arid Regions

- Protection of Water Resources: Ground Water Pollution by Urban Activities.

The idea for the prize originated from the Prince Sultan Research Centre for Environment, Water & Desert in Saudi Arabia, of which Dr. Al-Shaikh is Director, and the prize has received the patronage of Prince Sultan Bin Abdulaziz. The prince, who is the Kingdom's 2nd Deputy Prime Minister and Inspector General, takes a special interest in the environment in general and water in particular. For this reason, he lent his support to the establishment of the prize, which was launched in October 2002.

Information about the prize can be found on the website: www.psipw.org. The deadline for nominations is 31 December 2005. Nomination information can be obtained from:

Prince Sultan Bin Abdulaziz International Prize for Water



**General Secretariat
Prince Sultan Research Center for Environment,
Water & Desert
King Saud University
P. O. Box 2454
Riyadh 11451
Kingdom of Saudi Arabia
Phone: +966 1 467 5571
Fax: +966 1 467 5574 E-Mail: info@psipw.org**

IWA London Office Staff Update

Avril Bunton-Williams



Avril is IWA's new Executive Secretary as well as Executive Assistant to Paul Reiter, IWA's Executive Director – she replaces Laura Moore who previously fulfilled these functions. With Paul she is responsible also for the planning, co-ordination and preparation of IWA Business meetings (IWA Executive Committee, Governing Board and Strategic Council). She supports Paul in working with the members and on developing IWA's external relations and partnerships and providing support to IWA's existing programme and members.

Avril brings with her a wealth of experience

in events management and public relations. Prior to joining IWA she worked a Conference Manager and Executive Assistant for various national media companies such as the BBC, Granada Media and Flextech TV. She has also worked at WCRS, a leading global advertising agency that includes among its clients BMW, Glaxo Smith Kline and Conde Nast Publications.

Maddie Birch-Jackson



Maddie has joined IWA as Executive Assistant and HR Manager. She provides administrative and secretarial support to the IWA Deputy Director, Tom Mollenkopf, is

responsible for the overall coordination of the office support functions of the IWA Headquarters in London and in addition she fulfils the human resources function.

Maddie was previously the Executive Assistant and Assistant Company Secretary for a software company serving a global customer base. Her professional interests are company secretarial [governance], business and employment law. She has also worked as Executive Assistant for the CEO of public listed companies.

Yuka Caves

In July 2005, Yuka Caves joined the IWA



membership Department, Far East and South East Asia Region, with specific responsibility for the Japanese market. Prior to this, since joining IWA in September 2004, she has been

working with Japanese clients by developing new members as well as maintaining services to existing ones.

Chloe Menhinick



Chloe joined IWA at the beginning of April with the responsibility of providing Marketing Support to the Membership Team. Having graduated from in 2003 with a 1st class in Political Science and International

Relations, Chloe went on to spend 8 months in China teaching English before joining IWA. She is now also studying part-time for an MA in Diplomacy and International Studies at the SOAS University in London and aims to specialise in development aid for the Southeast Asia region.

New IWA Events

AGUA 2005



The Cinara Institute, in collaboration with IWA, and within the framework of the 60th anniversary of the Universidad del Valle, Cali, Colombia will host AGUA 2005 31st October - 4th November 2005 in Cali, Colombia.

AGUA is one of the most important events on water in Latin America and the Caribbean. AGUA 2005, "From Local Action to Global Targets", will discuss water related issues within the framework of the Water Decade 2005-2015, 'Water for Life', and the decade of Education for Sustainable Development, using the Millennium Development Goals as a reference point.

Contact: agua2005@univalle.edu.co; **Web Site** <http://cinara.univalle.edu.co>

Ecosan India, 25-26 November 2005, Mumbai, India

The Indian Water Works Association (IWWA) will host an international conference on Ecological Sanitation that will take place in Mumbai, India, 25-26 November 2005. The event is supported by the IWA Specialist Group on Resources Management Sanitation that is chaired by Dr Ralf Otterpohl, Technical University Hamburg-Harburg, Germany. In association with GTZ Germany, the Government of Maharashtra and AIILSG, the All India Institute of Local Self Government. IWWA is the Indian association of professionals working in the field of water and sanitation throughout India. It sends two members to represent India on the IWA Governing Board.

Themes covered by the conference include:

- Ecosan systems - preferred solutions in rural and peri-urban areas
- Decentralised Wastewater Treatment System (DEWATS)
- Application of Ecosan principles in urban areas
- Promoting agricultural use
- Raising awareness and demand
- Stakeholders participation
- Regulatory framework.
- Finance ecosan.
- Ecosan- progress, policies and legislation.
- New technological developments.
- Hygienic agro-reuse.
- An Exhibition on the subject theme is also planned.

Last day for submission of full paper - 30 September 2005

www.iwwainternational.com

Supported by:



Marine Wastewater Discharges and Coastal Environment. Santander, Spain. September. 25-29 2006

The theme of MWWD 2006 is well defined by a quotation from the Keynote presented by Prof. Gerhard Jirka in 2004:

.....MWWD has been, and will continue to be, a series of conferences on Marine Waste Water Discharges and Coastal Environment, supported by IWA, IAHR, TECHWARE, building and enhancing a community of professionals dedicated to this cause...

MWWD & IEMES 2006 call again all Colleagues interested in the coastal environment's problems to present their studies, researches and case stories related to all aspects of the interface between human activity and the sea and to the "tools" for a protection of the coastal waters as source and ambience of life and leisure.

Please visit www.mwwd.org for more information.

8th Symposium on Forest Industry Wastewaters, 9 - 12 April 2006. Vitoria, Espirito Santo, Brazil

This Symposium will include a joint opening ceremony with the 6th International Conference on Fate and Effects of Pulp and Paper Mill Effluents to occur on Sunday 9th April. In order for participants to attend both events it has been organised that the Conference on Fate and Effects presentations will take place in the mornings and the 8th Symposium on Forest Industry Wastewaters presentations will take place in the afternoons. Brazil's pulp and paper industry has been growing at a fast pace, whereby environmental aspects are being considered of utmost importance.

The symposium will be of interest to the environmental specialist community of pulp and paper industries, including process engineers, technicians, researchers and consultants in this area.

For more information please visit www.abtcp.org.br. Or contact fernanda@abtcp.org Tel: + 551138742720

IWA Specialized Conference on Sustainable Sludge Management: State of the Art, Challenges and Perspectives, 29-31 May 2006. Crocus Expo, Moscow, Russia

This event is co-organised by the IWA Specialist Group on Sludge Management, the Russian Association on Water Supply and Water Disposal (RAWW) and SIBICO International Ltd. This conference will discuss the sustainability issues dealing with sludge management, treatment, re-use and disposal. Topics of the conference include: current policy and legislation in the field of sludge management, sludge characterization, dewatering, minimization, biological sludge treatment, co-digestion of sludge with other solid organic wastes, thermal processing of sludge, integrated technologies for sludge treatment, treatment of reject waters after sludge dewatering, fate of hazardous and recalcitrant compounds during sludge treatment, sludge as a resource and renewable energy source, sludge disposal: land, hygienic aspects, challenges, future and sustainability in sludge management.

The conference will be organized in conjunction with the 7th International Trade Fair and Congress "Water: Ecology and Technology" ECWATECH-2006 (30 May-2 June 2006).

Contact: Dr. Sergey Malygin
Tel/Fax: +7 095 101 4621, +7 095 782 1013 (multi-line)
E-mail: IWAconference@sibico.com
Website: <http://IWAsludge.sibico.com>

Public Stakeholder event of the Water Supply and Sanitation Technology Platform (WSSTP) 17 October 2005 Budapest, Hungary

The WSSTP stakeholders' event will give participants the opportunity to learn about the future of the European R&D programmes on water supply and wastewater treatment. The participants are invited to express their thoughts and preferences to be considered for the refinement of the three documents produced by the WSSTP, namely the Vision Document, the Strategic Research Agenda and the Implementation Plan. The WSSTP is a European initiative, open to all stakeholders involved in the European water sector. Major achievements have been made over the past 15 months within the five thematic working groups (Water Management, Urban and Peri-Urban Water Systems, Water in Industry, Water in Agriculture, and Cross-Cutting Issues).

Registration for this event is free.
Deadline for registration - 30 September 2005 at www.wsstp.org

Water Practice and Technology *** new***

New publications option for papers presented at IWA events

IWA's new online journal Water Practice and Technology, to be launched in 2006 under the control of the Water Science and Technology Editorial Board, will provide the widest possible dissemination of high-quality material that is of interest to practitioners rather than researchers. Types of article include:

- Descriptive case studies
- Work with a strong regional/local focus
- Practical "know-how" reports
- Compilations of confirmatory data on previously reported processes
- Work of purely local/regional relevance

By publishing these articles electronically Water Practice and Technology will provide a much-needed searchable archive that will make

these practice-focused articles rapidly available worldwide.

Water Practice and Technology will provide an invaluable source of information for water practitioners, including those active in utilities, consultants and engineers, enabling interested readers to find and access the information they are seeking.

H2Obiettivo 2000

Federutility, the new federation of enterprises managing water and energy supply services established by the merger of Federgasacua and Federenergia, has joined forces with IWA and EUREAU for the forthcoming event - H2Obiettivo 2000 - in Palermo, Sicily, 12-14 October 2005

This event offers an excellent opportunity for timely discussion of topics involving the world of business, institutions, local authorities and those directly involved in water management.

During the meeting's five sessions

contributions will be made by the International Water Association (IWA), EUREAU and the Italian Ministers of the Economy and the Environment whose patronage has been requested together with that of the Department of EEC Policies and the Sicily Region.

Scheduled topics of debate include the effective application of the Italian Galli Law ten years after its entry into force, the balance between liberalization and privatization, legislation on new tariffs and regulations governing water supply licensing. Further topics to be addressed are industrial planning,

development strategies and the future of local public utility services in the wake of the company mergers and upheavals that have radically changed the historical role of local government owned companies in Italy.

Organising Secretariat:

Noema srl

Via Orefici 4

40124 Bologna (Italy)

Tel. + 39 051 230385

Fax + 39 051 221894

info@noemacongressi.it

Xi'an Conference, China

The IWA Xi'an Conference on the Future of Urban Wastewater System - Decentralization and Reuse was successfully held at Xi'an International Conference Centre, China 18-20 May, 2005. More than 210 delegates from 20 countries/regions attended the Conference that had 86 oral presentations, 28 poster presentations and 7 keynote lectures. Visit the conference website www.xauat.edu.cn/fuwws-xian2005 to read the conference programme and see photographs from the event.

The conference focused on innovation of

conventional technologies and newly developed technologies for decentralisation of urban wastewater collection, transport, treatment and reuse. System design, operation, maintenance and management were also discussed. This conference was one of the important events in China leading up to the 5th IWA World Water Congress to be held at Beijing 10-14 September 2006 (www.iwa2006beijing.com).

*Introduction by Professor Xiaochang C Wang
Chairman, Organizing Committee, FUWWS-
XIAN2005*



World Water Congress, Beijing, China September 10-14 2006



World Water
Congress and
Exhibition

The call for proposals for the 5th biennial IWA World Water Congress is now open through until October 31st 2005. IWA are seeking submissions for platform presentations, poster presentations and workshops. For full details of the Congress, please visit www.iwa2006beijing.com



Please visit www.iwahq.org.uk for further information on these and all other conferences associated with IWA.

News from IWA Publishing – www.iwapublishing.com

We are delighted to bring you news of a NEW ASSET MANAGEMENT NEWSLETTER and SEVEN NEW BOOKS from IWA Publishing:

* Activated Sludge Separation Problems *

Theory, Control Measures, Practical Experiences

Editors: V Tandoi, D Jenkins, J Wanner

Scientific and Technical Report No. 16

September 2005 · 232 pages ISBN: 1900222841 · Paperback IWA Members Price: £52.50 / US\$105.00 / €78.75 Non Members Price: £70.00 / US\$140.00 / €105.00

* Biofuels for Fuel Cells *

Renewable Energy from Biomass Fermentation

Editors: P Lens, P Westermann, M Haberbauer and A Moreno

Integrated Environmental Technology Series

September 2005 · 608 pages ISBN: 1843390922 · Hardback IWA Members Price: £78.75 / US\$157.50 / €118.50 Non Members Price: £105.00 / US\$210.00 / €158.00

* Computer Aided Rehabilitation for Water Networks - CARE-W *

Author: Sveinung Saegrov

September 2005 · 180 pages ISBN: 1843390914 · Paperback IWA Members Price: £45.00 / US\$90.00 / €67.50 Non Members Price: £60.00 / US\$120.00 / €90.00

* Dictionary of Water and Waste Management - Second Edition *

Authors: Paul Smith, John Scott

Co-published with Butterworth-Heinemann

August 2005 · 480 pages ISBN: 1843391031 · Hardback IWA Members Price: £30.00 / US\$60.00 / €45.00 Non Members Price: £40.00 / US\$80.00 / €60.00

* Filamentous Bacteria in Industrial Wastewater Treatment Plants *

Identification and Control

Author: Dick Eikelboom

November 2005 · ISBN: 1843390965 · CD-ROM IWA Members Price: £301.50 / US\$693.00 / €450.00 Non Members Price: £335.00 / US\$770.00 / €500.00

* Integrated River Basin Governance *

Learning from International Experience

Author: Bruce Hooper

September 2005 · 316 pages ISBN: 1843390884 · Hardback IWA Members Price: £56.25 / US\$112.50 / €84.75 Non Members Price: £75.00 / US\$150.00 / €113.00

* Managing Water Demand *

Policies, Practices and Lessons from the Middle East and North Africa Forums

Editors: E Baroudy, A Lahlou Abid, B Attia

September 2005 · 80 pages ISBN: 184339104X · Paperback IWA Members Price: £37.50 / US\$75.00 / €56.25 Non Members Price: £50.00 / US\$100.00 / €75.00

* Mathematical Modeling of Biofilms *

Author: IWA Task Group on Biofilm Modeling

Scientific and Technical Report No. 18

September 2005 · 208 pages ISBN: 1843390876 · Paperback IWA Members Price: £48.75 / US\$97.50 / €73.50 Non Members Price: £65.00 / US\$130.00 / €98.00

* Municipal Wastewater Management in Developing Countries *

Principles and Engineering

Editors: Zaini Ujang, Mogens Henze

October 2005 · 352 pages ISBN: 1843390302 · Hardback IWA Members Price: £52.50 / US\$105.00 / €78.75 Non Members Price: £70.00 / US\$140.00 / €105.00

* Particles in Water *

Properties and Processes

Author: John Gregory

Co-published with CRC Press

September 2005 · 240 pages ISBN: 1843391023 · Hardback IWA Members Price: £52.50 / US\$97.50 / €78.75 Non Members Price: £70.00 / US\$129.95 / €105.00

* Preventing Legionellosis *

Author: William F McCoy

October 2005 · 150 pages ISBN: 1843390949 · Hardback IWA Members Price: £48.75 / US\$97.50 / €73.50 Non Members Price: £65.00 / US\$130.00 / €98.00

* Soil and Sediment Remediation *

Mechanisms, Technologies and Applications

Editors: P Lens, T Grotenhuis, G Malina, H Tabak

Integrated Environmental Technology Series

September 2005 · 544 pages ISBN: 1843391007 · Hardback IWA Members Price: £71.25 / US\$142.50 / €107.25 Non Members Price: £95.00 / US\$190.00 / €143.00

* Urban Stormwater Management in Developing Countries *

Authors: Jonathan Parkinson, Ole Mark

September 2005 · 256 pages ISBN: 1843390574 · Paperback IWA Members Price: £26.25 / US\$52.50 / €39.75 Non Members Price: £35.00 / US\$70.00 / €53.00

* Water Demand Management*

Editors: David Butler, Fayyaz Memon

September 2005 · 384 pages ISBN: 1843390787 · Hardback IWA Members Price: £60.00 / US\$120.00 / €90.00 Non Members Price: £80.00 / US\$160.00 / €120.00

HOW TO ORDER

For more information on IWA Publishing products or to buy online visit www.iwapublishing.com, or contact one of our distributors:

UK, Europe and Rest of World

Portland Customer Services, Commerce Way, Colchester CO2 8HP, UK
Tel: +44 (0)1206 796 351 Fax: +44 (0)1206 799 331
Email: sales@portland-services.com

Postage and packing: please add £3.50/US\$5/€5 per title up to a maximum of £14/US\$20/€20

Prices, Extents and Publication Dates correct at time of print and remain subject to change by IWA Publishing without prior notice.

North America

BookMasters, Inc., P.O. Box 388, Ashland, OH 44805, USA.
Tel: +1 800 247-6553 (+1 419 281-1802 from outside USA)
Fax: +1 419 281-6883 Email: order@bookmasters.com