

## Message from the President



IWRA continues its efforts to raise awareness of world water issues. The upcoming 12<sup>th</sup> World Water Congress offers unique opportunities and challenges in dealing with the contemporary global water issues. The world is facing a water crisis, which is worsening every day. This crisis manifests itself in several ways: ever-increasing water scarcity; lack of access to clean drinking water and adequate sanitation; fragmentation of water management; deterioration in water quality; threats to world peace and security over transboundary water conflicts; and a decline in financial resources for water infrastructures. Moreover, there is an apparent lack of awareness of decision makers of the magnitude, complexity, and impact of these factors on human development, the environment, and the sustainability of life on the planet.

The International Water Resources Association (IWRA) recognized these challenges a long time ago. IWRA's aims are to build and strengthen partnerships and mechanisms to facilitate the sustainable use of water resources worldwide. IWRA recognizes that its efforts must actively transcend many types of boundaries. IWRA's unique role is to serve as a bridge in networking people, information, and organizations removing the boundaries of geography, disciplines, and professions. These targets are well reflected in the selected theme of the 12<sup>th</sup> World Water Congress "Water for Sustainable Development – Towards Innovative Solutions." This theme will be addressed through a multitude of topics in sessions, special sessions, panel discussions and a variety of oral presentations, poster, and exhibits over four days. There will be ample opportunity to present debates and enrich one's knowledge by meeting the leaders of the water science in the world. You will get a first hand

account of the action on the ground in major countries such as China, India, Egypt, and the Central Asia countries on how they are coping with their water challenges. Several international river basins and other major regional and global water policies will be presented, and there will be a wide variety of subjects that satisfies everybody's thirst for knowledge and information.

Also, we will have the chance to honor our best and recognize our brightest from among the participants at the Congress. The doors are wide open to IWRA members and members of the world water community at large to participate and actively contribute to the debates and the development of new innovative solutions to meet the challenges of the 21<sup>st</sup> Century.

I look forward to welcoming and meeting all of you at the 12<sup>th</sup> World Water Congress in New Delhi on November 22, 2005.

*Aly M. Shady, P. Eng.*  
President IWRA

### IWRA at the Stockholm World Water Week 2005

A large number of IWRA members attended the Stockholm World Water Week 2005. IWRA sponsored a number of events throughout the week. These included:

- Presentation of IWRA's Crystal Drop Award to Prof. Malin

Falkenmark of the Swedish International Water Institute (SIWI) based in Stockholm, Sweden. This was an excellent opportunity to pay tribute to this outstanding scientist and ardent supporter and member of IWRA since its founding.

- Sponsoring a seminar on water and energy in which Klaus Topfer, Executive Director of UNEP, Martha Kaura, Minister of Water Resources, Kenya, and Jamal El-Saghir, World Bank were among the panelists in the session. It concluded that in the future the energy sector will have major impacts on the water sector, which will bring a range of opportunities and or constraints. The policy framework and measures to cope with these are urgently needed. For further information on the seminar, contact Dr. Biswas at: akbiswas@att.net.mx.

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Professor Falkenmark (L) accepting Crystal Drop Award from President Aly Shady

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## Stockholm World Water Week 2005

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- Cosponsoring a session on water quality degradation by hazardous wastes and the cost of no actions, which revealed the costs of remedial actions are many times higher than the prevention. More than 100,000 chemicals were introduced in the last century and only the effects of 5,000 have been studied so far. For further information contact Dr. Cecilia Tortajada at: [ctortajada@thirdworldcentre.org](mailto:ctortajada@thirdworldcentre.org).
- Holding the regular meeting of the Executive Board of IWRA and the Congress International Steering Committee. We thank Dr. Johan Rockstrom of Stockholm Environment Institute (SEI) for his generous hosting of IWRA Executive Board.



IWRA Executive Board: First row (L to R): G.N. Mathur (India), Xia Jun (China), Lilian del Castillo-Laborde (Argentina), Schuichi Ikebuchi (Japan), Aly M. Shady (Canada); Second row: Olli Varis (Finland), Kenji Tanaka (Guest, Japan), Olcay Unver (Turkey), Torkil Jonch-Klausen (Denmark), Cecilia Tortajada (Mexico), Ben Dziegielewski (USA), Johan Rockstrom (Zimbabwe). Board Members not pictured: John Pigram, John Nicklow, Luis Garcia, Carlos Fernandez-Jauregui, Gertjan Beekman, Bruce Mitchell, Karin Kemper, Toshikatsu Omachi, Caroline Figueres, and Walid Abderrahman.

### Five Reasons Why You Should Participate in the Congress

To maximize the benefit of participation in the 12<sup>th</sup> World Congress on Water Resources, a number of new features have been added to complement and enhance the regular program. In addition to regular thematic presentations, there will be:

1. A series of special sessions dealing with Contemporary Water Issues of Cooperation in Internationally Shared River Basins including: Amu Darya, Syr Darya (Aral Sea Basin), Tigris and Euphrates, La Plata, Great Lakes and the St. Lawrence River basins.
2. Discussion of national policies, plans, actions, and major water resources development in China, Egypt, India, and the European Union.
3. Discussions that define future direction for IWRA: Towards a new vision and mission for meeting the challenges of the 21<sup>st</sup> century, President's Panel review and public debate, General Assembly meeting to set future strategies for IWRA. The role of IWRA in the Fourth World Water Forum in Mexico 2006.
4. Presentations from the top policy and decision makers: Ministers of Water from Spain, Tajikistan, India, China, Iraq, Turkey, and more.
5. Opportunities to meet the top people in water resources from around the world and discuss the latest trends and innovative solutions to the pressing water issues globally and locally.

The 12<sup>th</sup> World Water Congress will be held in the Ashok Hotel in New Delhi from November 22 to 25, 2005. Consult with the Congress web site for more details and to get most recent update at: <http://www.worldwatercongress.org>



# IWRA Updates

## Marana Chow Joins the Congress



Marana Chow, the daughter of Dr. Ven Te Chow has accepted to participate in the 12<sup>th</sup> World Water Congress, and to present Prof. Benedito Braga the Laureate for the Ven Te Chow

Memorial Lecture for 2005. Marana is a successful architect practicing in Los Angeles, California, USA. She will be accompanied by her husband and welcomes the opportunity to meet with IWRA members, students, and fellows contemporary of her father Dr. Ven Te Chow, founder of IWRA.

## Join the President Club

Contribute to the IWRA membership drive. If you recruit five new members to join IWRA, you will earn membership in the "President Club" for yourself. It is easy. Start today and inform the Executive Director of the new members recruited by you, and we will keep track of them. We welcome the more than 100 new members who joined IWRA in 2005:

## Honoring and Winning

At the 12<sup>th</sup> Congress there will be ample opportunities to recognize the achievers and to know their accomplishments. The Awards program that is planned includes:

- The Crystal Drop Award
- The Ven Te Chow Memorial Lecture Award
- Best paper awards for papers published in the IWRA journal: *Water International*
- Introduction of 10 IWRA members for the rank of "Fellow."

In addition to the above, you can participate in the Congress Awards by nominating, being a candidate,

and possibly winning one of the following awards

1. Best Paper presentation at the Congress
2. Junior professional award
3. Young woman professional award
4. Best poster
5. Best special session

All Congress participants will have the opportunity to nominate their favorites in each of these five categories. A jury will compile the nominations, tally the votes, and render their selection of the winners.

Watch for the details at the Congress in New Delhi or visit the web site at: <http://www.worldwatercongress.org>

Next Limit S.L.	Spain
Danish Water Forum	Denmark
Unibibliothek/Frankfurt	Germany
InWent-Capacity Building Int.	Germany
National Thermal Power	India
UNDP Kazakhstan	Kazakhstan
Muhammad Bin Qassim Lib.	Pakistan
Bastien Affeltranger	Germany
Jose Aguirre	USA
Yapo Alle-Ando	Canada
Luis Almeida	Botswana
Mubarak Al-Noaimi	Bahrain
Hassan Alsaalem	Bahrain
Saleh Al-Sefry	Saudi Arabia
Geremew Amenu	USA
Jeffery Ballweber	USA
Shera Bender	USA
Max Billib	Germany
Christine Boyle	USA
Jeanie Bukowski	USA
Jongsok Choi	USA
Lucien Chung	Belize
Katherine Cinq-Mars	Canada
Patrick Cummings	USA
Michael Davidson	USA
Slawczo Denczew	Poland
Mohammed Dore	Canada
Anton Earle	South Africa
Gabriel Eckstein	USA
J. Wayland Eheart	USA
Nathan Eidem	USA
Dimitriou Elias	Greece
Edmund Emodi	Nigeria
Carlos Garcia	USA
Connors Genevieve	Singapore
M. Gopalakrishnan	India
Arnoud Haag	Vietnam
Ereney Hadjigeorgalis	USA
Iftikhar Hakim	USA
Aris Harnanto	Indonesia
Nick Hepworth	United Kingdom
Nigel Hennessy	Australia
Stephen Hodgson	United Kingdom
Solomon Hossana	USA
Rishard Jackson	USA
Kyung Soo Jun	South Korea

## IWRA's Co-sponsored Workshop on Transboundary Water Management

In cooperation with Helsinki University of Technology and the Third World Centre for Water Management and with support of the Finnish International Development Agency, the Workshop on Transboundary Water Management was successfully completed from August 17 to 19, 2005 in Espoo, Finland. The workshop dealt with a number of issues with examples from the world:

- Asia: Water management in the Mekong River Basin. Indus waters and the 1960 treaty between India and Pakistan. Water management in the Ganges-Brahmanputra-Meghna Basin. Chinese experiences in manage-

ment of international waters.

- Africa: Basin at risk in Southern Africa.
- Middle East: Management of Euphrates-Tigris Basin. Water management in the Jordan River Basin.
- Americas: A water management in the Great Lakes of the St. Lawrence River Basin. Water management of La Plata Basin.
- Europe: Experience from Finnish transboundary water management with Russia, Norway, and Sweden.

For further information contact IWRA Director from Finland - Dr Olli Varis at: [olli.varis@tkk.fi](mailto:olli.varis@tkk.fi).

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## Welcome to New IWRA Members

(Continued from page 3)

David Katz	USA
Aysegul Kibaroglu	Turkey
Lotte Klinte	Denmark
Lidhi Ladha	USA
Kristen Larson	USA
K.P. Chew Lawrence	Malaysia
Jose Lazaro-Carrasco	Spain
Krzysztof Lejcus	Poland
James Limbrunner	USA
John Lipsey	USA
Clive Lyle	Australia
Nishigaki Makoto	Japan
Jose Macias Marquez	Spain
Mirali Mohammadi	Iran
Peter Mollinga	Germany
Michael Moore	Sweden
Timothy Morris	Canada
Eva Nora Mueller	Germany
Thanh Nga Nguyen	The Netherlands
Jinnen Ni	China
Adeniyi Oluseyi Odeyemi	Nigeria
Mauricio Olaya	Puerto Rico
Elizabeth Olivas	USA
Rodolfo Pacheco	USA
C. D. Peltz	USA
Mathieu Pinkers	The Netherlands
Greg Powell	Canada
Silvia Rafaelli	Argentina
Rahul Ranade	USA
B. Venkateswara Rao	India
Saeed Ur Rehman	Pakistan
Jenny Reynolds	Costa Rica
Travis Roth	USA
Justus Rwetabula	Belgium
Hammed Olalekan Salimon	Nigeria
Enrique San Martin Gonzalez	Spain
Jean-Daniel Saphores	USA
Eric Schofield	Canada
Sachin Shah	USA
Mosharefa Shahjahan	Australia
Sigurdur Sigmarsson	USA
Sunil Kumar Singal	India
Amardeep Singh	India
Richard Soppe	The Netherlands
Sree Sreenath	USA
Christian Stein	Germany
Jantunen Teemu	Cambodia
Frank Tsai	USA
Anthony Turton	South Africa
Jason Ulrich	USA
Pieter Van der Zaag	The Netherlands
Esther Velazquez	Spain
Margaret Vick	USA
Le Phu Vo	Australia
Steven Witter	USA
Xie Yonggang	China
Mahdi Zarghaami	Iran
Mark Zeitoun	United Kingdom

## IWRA Member News

**Luis Santos Pereira** (Portugal) has been appointed President of the International Commission of Agricultural Engineering (CIGR), which groups numerous regional and national societies of agricultural engineers. CIGR is now giving priority to support the effective installation of related regional societies and to reinforce less traditional agricultural engineering fields such as land and water engineering and information technologies. Professor Pereira is coordinating the Ibero-American Network on Agricultural Water Management, which initiated activities in 2005. The first meeting was held at Lima and Cuzco, Peru.

**Hari Rajbhandari** (USA) was promoted to Senior Engineer of Water Resources at the California Department of Water Resources. Last year, he was awarded Meritorious Service Award by the Department. Recently, his abstract for the paper "Model Assessment of Dissolved Oxygen and Flow Dynamics in the San Joaquin River near Stockton, California" was accepted for the 8th International Conference on Estuarine and Coastal Modeling to be held in Monterey, California.

**Ismael D. Tabije** (The Philippines), international consultant on irrigation and project management, was recently engaged by the European Commission to review the implementation of the Irrigation Component of the EC-funded Support to Agrarian Reform Communities in Central Mindanao Project in the Philippines. Besides giving advice on improving project management, Mr. Tabije also conducted training to the project technical staff on planning, design, and construction management of irrigation projects.

**Sorooshian Sorooshian** (USA), a Distinguished Professor of Civil

and Environmental Engineering and Earth System Science at the University of California, Irvine, has received the 2005 NASA Distinguished Public Service Award for his "distinguished record in providing scientific leadership for global water cycle research and assuring that NASA science is well integrated into international programs." This is the highest honor NASA awards to members of the public. He also delivered the William Nordberg Memorial Lecture at the Goddard Scientific Colloquium in 2004 and has been elected as an associate member of the International Academy of Astronautics (IAA).

**Shamsul Haque Alvi** (Bahrain), senior Professor of Water Resources Engineering at the University of Bahrain, was interviewed by BBC concerning global warming and the status of Kyoto Protocol in the Arabian Gulf Region for its BBC Worldwide program. Professor Alvi is a member of College of Engineering Council of the University of Bahrain. He has been nominated by University of Bahrain to be a member at the ABET accreditation committee for its College of Engineering academic programs. In recognition of his performance Prof. Alvi was given the Award of Excellence in Teaching and Research by the University of Bahrain.

**Luís Antonio Villaça de Garcia** (Brazil), assistant Professor at the Hydraulic and Sanitary Engineering Department of the Polytechnic School at São Paulo University, has completed a research project on small hydropower plants hydrologic, hydraulic, and energy studies. Dr. Villaça de Garcia is also a consulting engineer who performed the modeling. The operation of the Sao Francisco river basin transposition for the semi-arid northeast region of Brazil.

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## IWRA Member News

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**Nani Bhowmik** (USA), Fellow of IWRA and a Fellow and Life Member of the American Society of Civil Engineers (ASCE), has been recognized as a Diplomat of the American Academy of Water Resources Engineers of the ASCE for his lifelong contributions in water resources, river mechanics, sediment transport, and other related fields. He was awarded this recognition at the annual meeting of the Environmental and Water Resources Institute of ASCE in Anchorage, Alaska, held from May 15 to 19, 2005. Dr. Bhowmik presently holds the position of Principal Scientist Emeritus at the Illinois State Water Survey at the University of Illinois in Urbana-Champaign, Illinois, USA.

**Abdulla A. Al-Thani** (Qatar) has recently completed his Ph.D. in Civil and Environmental Engineering, University of Southampton and has been appointed Associate Engineer at RAND-Qatar Policy Institute. His research interests include modeling, conjunctive use of groundwater and surface water, sustainable development, and water resources planning and management. In 2003, Dr. Al-Thani became an Assistant Professor in the Qatar University Civil Engineering Department and he continues to teach and serve at Qatar University while working on the research staff of RAND-Qatar Policy Institute.

**Rafiq Diab** (Syria) has completed his assignments as a local project coordinator for inter-basin water supply study from the coastal area of Syria to Damascus city. The project is one of its largest in the region. Currently, he is the assistant project manager for smaller project but with total integrated approach in the southern part of Damascus. The project includes groundwater resources, water supply, water and wastewater networks, wastewater treatment plants, institutional capacity building, and community development.

**Darryl W. Davis** (USA), Director of the USACE Hydrologic Engineering Center in Davis, California was honored as the American Society of Civil Engineers, Environment and Water Resources Institute 2005 Julian Hinds Award winner at the May 2005 World Water and Environment Congress in Anchorage, Alaska. The Julian Hinds award was given for "his national and international leadership in development of methods, software, and decision-support systems for planning and management of water resources, his guidance of the USACE Hydrologic Engineering Center, and his direction of its evolution as a world-class center of excellence." Mr. Davis also presented a paper at the conference entitled "Water Management in Iraq – Capability Restoration and Implications for Historic Marsh Restoration," on water management restoration activities of the Iraq Ministry of Water Resources.

**Robert Schemenauer** (Canada), Executive Director of FogQuest: Sustainable Water Solutions, is very pleased to report that the German water foundation, WasserStiftung, has announced that FogQuest will be the recipient of their Hundertwasser award for 2005. This award is given out each year to an international NGO that meets WasserStiftung's criteria for innovative ways to assist developing countries with their water needs. The award will be presented in Munich, Germany, October 24, 2005 by the Bavarian Minister of the Environment. FogQuest will also be working with WasserStiftung on water projects using fog collectors for communities near Asmara, Eritrea, later in 2005.



[www.iwra.siu.edu](http://www.iwra.siu.edu)

## World Water Congress Announcement

The XIII World Water Congress for 2008 will be awarded to the City of Montpelier, France and the XIV World Water Congress for 2011 will be awarded to the City of Recife, Brazil.

Watch for detailed announcements at the XII World Water Congress, in New Delhi, India.

## New Publications

**Stephen C. McCaffrey**, author of *The Law of International Watercourses: Non-Navigational Uses* (Oxford, 2001), is co-author, with Gregory S. Weber, of the *Guidebook for Policy and Legislative Development on Conservation and Sustainable Use of Freshwater Resources* (United Nations Environment Programme, 2004).

The new book *Water, Time and European Cities - History Matters for the Futures* by Petri S. Juuti and **Tapio S. Katko** (eds.) 2005, printed in EU, is now available in pdf-format free of charge on: [www.watertime.net](http://www.watertime.net).

## IWRA Nominating Committee

**Lilian del Castillo-Laborde** (Argentina) has been appointed Chair of the IWRA Nominating Committee for the 2006 Elections of IWRA Executive Board 2007-2009. Dr. Castillo-Laborde extended her invitation to number of IWRA Members from various countries to serve on the Committee. The names of all members of the Nominating Committee will be printed in the upcoming issue of *Water International*. Please contact Dr. Castillo-Laborde at [lclab@fibertel.com.ar](mailto:lclab@fibertel.com.ar) with your suggestions for the candidates you wish to nominate for the posts of Officers and Directors for the next Executive Board of IWRA.

# Calendar of Water Events

*\*Indicates IWRA co-sponsored events. Contact Executive Director Ben Dziegielewski at benedykt@siu.edu to inquire about obtaining IWRA co-sponsorship of events.*

October 31–November 4, 2005

## **11th World Lake Conference**

Nairobi, Kenya

The Kenyan Ministry of Water and Irrigation and the International Lake Environment Committee (ILEC) will hold the 11th Conference at the Kenyatta International Conference Centre in Nairobi, Kenya. The proposed theme of the Conference is “Management of Lake Basins for Their Sustainable Use: Global Experiences and African Issues.” The conference will review progress about ongoing lake basin initiatives as well as set future goals for lake-basin management. For more information contact visit <http://www.gemswater.org>.

November 19–23, 2005

## **Water in the GCC: Towards an Integrated Water Resources Management**

Kuwait City, Kuwait

In the arid to extremely arid Arabian Peninsula, the importance and value of water is even more pronounced. The GCC countries of United Arab Emirates, Bahrain, Saudi Arabia, Oman, Qatar, and Kuwait are facing the most severe water shortages in the world. This conference is organized by the Kuwait Institute for Scientific Research, Secretariat General-Gulf Cooperation Council and the Water Sciences and Technology Association. This Seventh WSTA Gulf Water Conference will be laying the foundation of IWRM policies and strategies in the GCC countries. For more information contact Dr. Waleed K. Al-Zubari at [waleed@agu.edu.bh](mailto:waleed@agu.edu.bh).

\*November 22–25, 2005

## **XII<sup>th</sup> IWRA World Congress on Water Resources**

New Delhi, India

The XII<sup>th</sup> World Congress on Water Resources of IWRA will be organized in association with Central Board of Irrigation and Power in New Delhi, India. The theme of the Congress is “Water for Sustainable Development – Towards Innovative Solutions.” The Congress will provide a forum for high quality papers and presentations that revolve around the Congress Themes. For further information about the Congress, please visit: [www.worldwatercongress.org](http://www.worldwatercongress.org)

December 1–4, 2005

## **Water and Civilization**

Paris, France

The International Water History Association (IWHA) invites panel proposals and individual paper abstracts for its fourth biennial conference. The IWHA hopes to help advance the theoretical and methodological quality of water history as a research field and to thereby increase understanding of the role of water in history and development. Specifically, the panels and presentations will dovetail with the long-term IWHA/UNESCO project to publish a seven-volume series on “Water and Civilization.” sent via <http://iwha.polaire.net/cgi-bin/2005/submit.cgi>. For questions, contact [post@iwha.net](mailto:post@iwha.net).

\*January 24–27, 2006

## **International Symposium on Groundwater Sustainability (ISGWAS)**

University of Alicante, Alicante, Spain

The ISGWAS is part of the Interacademy Panel’s (IAP) Water Programme for the 2004–2006 triennium. The IAP has delegated in the Spanish Royal Academy of Sciences (RAC) the organization of the Symposium. The Spanish Ministry of Education and Sciences, through the Spanish Geological Survey, has subscribed an agreement with the RAC. The IGME is responsible for organizing the logistics of the Symposium. Contact: Africa de la Hera and Nuria Hernández-Mora [isgwas.nhm@igme.es](mailto:isgwas.nhm@igme.es) or visit URL: <http://aguas.igme.es/> or <http://racefyn.insde.es/>.

January 25 – 26, 2006

## **Third Integrated Water Resources Management (IWRM) Workshop**

Regina, Saskatchewan, Canada

The CWRA-SNOWS 2006 workshop entitled “Watershed Stewardship: Management Instruments for Success” will present, debate, and develop practical management approaches and instruments to ensure successful watershed stewardship initiatives. Previous workshops identified the status of Integrated Water Resources Management in Canada (2003) and explored strategies and actions for building capacity for watershed stewardship (2004). For more information contact: Esther Kienholz, 408-1800 Hamilton St. Regina, SK S4P 4L2, Telephone: (306) 780-7114, E-mail: [kienholze@agr.gc.ca](mailto:kienholze@agr.gc.ca)

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## Calendar *(Continued from page 6)*

February 6–17, 2006

### **Integrated Water Resources Management in the Middle East**

Kibbutz Ketura, Israel

The workshop is organized by the Arava Institute for Environmental Studies (AIES) and NATO Advanced Study Institute (ASI). The purpose is to expose the participants to diverse approaches in dealing with the water crisis and to provide them with the necessary literacy and sensitivity to communicate across disciplines and borders. A basic element of the program will be a two-day site visit to the Dead Sea basin, visiting both the Israeli and Jordanian coasts. For more information contact Danielle Saranga <ScienceforPeace@gmail.com> or visit: <http://www.natowater.org/site/index.php/nato>.

March 22, 2006

### **Fourth World Water Forum**

Mexico City, Mexico

This is the largest international event of the World Water Council on water policies. It is organized every three years since 1997. The 2006 Forum will be organized by the National Water Commission/Mexico and World Water Council. For more information contact Ricardo Martínez Lagunes at: [ricardo.martinez@cna.gob.mx](mailto:ricardo.martinez@cna.gob.mx) or visit WWC website: <http://www.worldwaterforum4.org.mx>.

\*March 28–30, 2006

### **Kuwait First International Water Conference and Exhibition**

Radisson SAS Hotel, Kuwait

The conference and exhibition will be an open forum for the discussion of current water policies, research, projects, and water management in Kuwait and the GCC. It aims at providing an interdisciplinary forum for scientists, researchers, practitioners, and policy makers to discuss current critical water research, for the purpose of strengthening the connection between research, and policy. For more information please visit: <http://promedia-international.com/Water/index.html>.

May 9–10, 2006

### **International Conference on the Application of Meteorological Extremes (CAMEX)**

Pilanesberg, South Africa

The conference is organized by the Long-Range Forecasting Group of the South African Weather Service. It

will cover: (1) scientific issues – identification and modeling of meteorological extremes on time scales ranging from “nowcasting” to climate prediction; (2) economic aspects – the value of extremes forecasts and its relationship to measures such as forecast skill and decision-analysis procedures; and (3) dissemination – format and communication channels between information providers and users. For more information contact Dr. Emsie Klopper at: [emsie@lawwindow.co.za](mailto:emsie@lawwindow.co.za).

\*June 8–10, 2006

### **Hydrological Sciences for Managing Water Resources in the Asian Developing World**

Guangzhou, China

Population pressure and societal transformations have brought numerous resource and environmental problems to Asian countries, among which water is of crucial concern. Also, the Asian Monsoon climate makes water problems even more complicated and challenging. Finding solutions for managing water resources plays a vital role in putting Asia’s development on a sustainable track. For more information contact Dr. Tao Jiang or Mr. Dong Ke, Department of Water Resources & Environment at Zhongshan University in Guangzhou 510275, P. R. China. Email: [eesjt@zsu.edu.cn](mailto:eesjt@zsu.edu.cn); [eeskd@zsu.edu.cn](mailto:eeskd@zsu.edu.cn) or visit the conference website at: <http://cwre.zsu.edu.cn.mwra>.

September 26–28, 2006

### **3rd International Symposium on Integrated Water Resources Management**

Bochum, Germany

The symposium will be hosted by the Ruhr-University Bochum, Germany – Institute for Hydrology, Water Management, and Environmental Engineering under the auspices of the International Association of Hydrological Sciences (IAHS) – International Commission on Water Resources Systems (ICWRS), together with UNESCO-IHE Delft and the Institute for Environment and Human Security of the United Nations University Bonn. This third symposium will address the very important subject of how to cope with water-related vulnerability of societies. This vulnerability relates to many aspects of water resources: environmental risks, floods, droughts, pollution, water logging, and options to create resilience against these risks. The contact for the conference is Mrs. Jana Radoi, at <[water@conventus.de](mailto:water@conventus.de)>.

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## Calendar

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October 16–18, 2006

**Wise Water Resources Management:  
Towards Sustainable Growth and Poverty Reduction**  
Bangkok Thailand

This will be the 3rd Asia Pacific Association Hydrology and Water Resources (APHW) Conference and it will feature the regional characteristics and water problems, lessons from the past, sound utilization of water resources, climate change, variation and disasters, and wise water resources management. The National Research Council of Thailand and the Association of Researchers in collaboration with APhw would like to invite academics, researchers, policy makers and water related professionals to attend this Conference. The Conference will be organized in conjunction with the Meeting of Regional Steering Committee for UNESCO-IHP in the Southeast Asia Pacific. For further information contact: <http://www.thirdaphw.org> or Ms. Choosri Keedumrongkool, The National Research Council of Thailand, 196 Phahonyothin Rd., Chatuchak, Bangkok 10900, Tel: 662 579 2285 , 662 940 6369, Fax: 662 561 3049; E-mail: [choosri@thirdaphw.org](mailto:choosri@thirdaphw.org).

**Access your IWRA  
homepage at:  
[www.iwra.siu.edu](http://www.iwra.siu.edu)**

May 2–5, 2007

**4th Asian Regional Conference and  
10th International Seminar on Participatory Irriga-  
tion Management**

Tehran, Iran

The meetings are sponsored by ICID, INPIM, World Bank, IWMI, and the Iranian National Committee on Irrigation and Drainage (IRNCID). For further information visit: [www.pim2007.org](http://www.pim2007.org) or contact Secretary General, IRNCID, Mr. S. A. Assadollahi at: [irncid@gmail.com](mailto:irncid@gmail.com).



**Update** is published quarterly by the International Water Resources Association (IWRA) in January, April, July, and October. Please submit IWRA related news, water events, member news, etc. for inclusion in this Newsletter to:

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