

## (IWTC-XIV)



المؤتمر الدولي الرابع عشر لتكنولوجيا المياه

2010 مارس 23 - 21

القاهرة - جمهورية مصر العربية

### FOURTEENTH INTERNATIONAL WATER TECHNOLOGY CONFERENCE

21-23 March 2010

Cairo, Egypt

**Under the Auspices of:**

**Prof. Dr. Hany Helal**

*Minister of High Education and State Minister  
of Scientific Research*

**Eng. Ahmed Al-Maghrabi**

*Minister of Housing, Utilities and Urban  
Development*

**Mr. Zuhair Garana**

*Minister of Tourism*

**Prof. Dr. Mohamed Nasr El Din Allam**

*Minister of Water Resources and Irrigation*

**Second Announcement**

**Organized By**

Egyptian Water Technology Association, WTA

**in cooperation with:**

- Benha University, Egypt
- UNESCO Cairo Office
- Holding Company for Water and Waste Water

### OBJECTIVES

The Fourteenth International Water Technology Conference, March 2010, Cairo, Egypt, is the fourteenth of a series of events initiated by The Water Technology Association, WTA, on "Preserving the Environment by Improving Water Management Policies", which is held every year. The conference will present the most recent technological and scientific developments associated with the water technology, water desalination, environment, hydraulics, hydrology, ecology water resources and related sciences. The conference will be an opportunity to gather scholars, scientists, experts and researchers confronting end users, managers, decision makers and stakeholders from universities, institutes, agencies and authorities all over the world. They will discuss and develop a general framework for minimizing and preventing the increasing deterioration in water quality. Issues of water quality, contamination, remediation, restoration, purification, treatment technologies, as well as other related topics, are essential to the future of the human welfare.

### CONFERENCE TOPICS

#### 1. **Hydrology and Water Resources:**

- Natural water resources management
- Water resources integrated management
- Water resources sustainable development
- Water resources policies in the Arab Region
- GIS and remote sensing applications
- Groundwater flow and contamination
- Climate change impact on water resources

#### 2. **Hydraulics and Hydraulic Structures:**

- Water pipelines and networks
- Water power and turbomachinery
- Water management, control and regulation
- Erosion, scour and sediment transport
- Advances in cross-drainage structures
- Advances in water retaining structures
- Stability and failure of hydraulic structures
- Maintenance and rehabilitation of hydraulic structures
- Hydraulic monitoring, modeling and simulation

#### 3. **Desalination Technology:**

- Membrane based technologies
- Thermal technologies
- Fouling, corrosion, operation and maintained case studies
- Solar desalination
- Advances in water desalination technologies

#### 4. **Water Treatment Technology:**

- Wastewater reuse
- Industrial water treatment
- Sanitary drainage treatment
- Computer applications in water treatment
- Purification plants and networks
- Environmental impact and assessment
- Water quality and environmental analysis

#### 5. **Agriculture and Water Economics:**

- Soil and agricultural issues
- Economic value of water
- Socio-economic issues
- Water legislation

### CONFERENCE AWARDS

There will be five conference financial awards for the best paper in each topic offered by His Royal Highness **Prince Sultan Bin AbdulAziz International Prize for Water.**

## **REGISTRATION FEES**

**Before December 30<sup>th</sup>, 2009**

*Non-Egyptian Participants* US\$ 400  
*Egyptian Participants* 600 L.E.

**After December 30<sup>th</sup>, 2009**

*Non-Egyptian Participants* US\$ 450  
*Egyptian Participants* 700 L.E.

Registration fees for participants cover welcome reception; conference briefcase and registration kit; opening and closing ceremonies; coffee breaks; conference proceeding and publications; and attendance of all conference sessions.

### **Conference Chairman**

**Prof. Magdy Abou Rayan**

*President of IWTC*

### **Conference Co-Chairmen**

**Prof. Abdel Kawy Khalifa**

*Chairman of Holding Company for Water and Waste Water*

**Prof. Osama Kamal**

*Vice President of Benha University, Egypt*

### **Conference Honorary Chairperson**

**Prof. Safwat Zahran**

*President of Benha University, Egypt*

**Prof. Amin Mobarak**

*Cairo University, Egypt*

### **Conference Secretary General**

**Prof. Dr. Samy El-Felaly**

*Agricultural Research Center, Egypt*

**Prof. Dr. Berge Djebedjian**

*Mansoura University, Egypt*

## **Agenda**

Full Paper Submission January 30<sup>th</sup>, 2010  
Notification of Paper Acceptance February 15<sup>th</sup>, 2010

## **Organizing Committee**

- **Ashraf Abou Rayan**, Northern Border University, Saudi Arabia
- **Berge Djebedjian**, Mansoura University, Egypt
- **Beyali Housny Mohamed**, Holding Company for Potable Water & Sanitary Drainage, Egypt
- **Diaa El-Monayeri**, Zagazig University, Egypt
- **Diaa El-Quosy**, Ministry of Water Resources and Irrigation, Egypt
- **El-Sayed Abdel Rassoul**, Mansoura University, Egypt
- **Helmy Gad**, Mansoura University, Egypt
- **Magdy El-Sharkawy**, WTA, Egypt
- **Mohamed Fayek Abd Rabbo**, Benha University, Egypt
- **Mohsen Ezz-Eldin**, Mansoura University, Egypt
- **Mostafa Zaki**, Mansoura University, Egypt
- **Nabil Hassan**, Zagazig University, Egypt
- **Nageh Gad El-Hak**, Suez Canal Authority, Egypt
- **Radwan Al Weshah**, UNESCO Cairo Office, Egypt
- **Sadek Kassab**, Alexandria University, Egypt
- **Salah El-Din Sayed**, Mechanical and Electrical Research Institute, Delta Barrage, Egypt
- **Samer Mekhemar**, Nuclear Research Center, Egypt
- **Samy El-Felaly**, Ministry of Agriculture, Egypt
- **Wafaa Salah Youssef**, Holding Company for Potable Water & Sanitary Drainage, Egypt

## **Location: Egypt**

EGYPT is the Museum of History and the melting pot of the greatest civilizations throughout the ages. On its land the Pharaonic, Greek, Roman, Christian and Islamic civilizations flourished. It is distinguished by its wonderful climate most of the year and by its various orchards.

## **VENUE: Cairo**

Cairo is the capital of Egypt and is the largest city in Africa. Cairo was founded by the Fatimid caliphs as a royal enclosure. Cairo has a mix of historical and modern cultural sights. This includes the Pyramids, the Hanging Church, Saladin's Citadel, the Virgin Mary's Tree, the Sphinx, Al-Azhar, the Cairo Tower, and the Old City.

## **CALL FOR PAPERS**

Papers are called for to handle and discuss the topics outlined above and others falling within the scope of the meeting. Authors are requested to submit their full-length papers according the set guidelines. Paper acceptance will be based on the full-length paper, which if accepted for publication, must be presented at the conference. The language of the conference will be English. Papers will be reviewed by an international scientific advisory committee.

### **Conference Site:**

[www.iwtc.info](http://www.iwtc.info)

### **Paper Submission:**

Please submit electronically your paper and include your name, full address and conference topic.

### **For Egypt and Other Countries:**

E-mail: [iwtc.egypt@gmail.com](mailto:iwtc.egypt@gmail.com)

Tel., Fax: +2 03 5920641

### **Mail Submission:**

*Prof. Magdy Abou Rayan*

*Faculty of Engineering*

*Mansoura University*

*P.C.: 35516 El-Mansoura*

*Egypt*

## **TRAVEL ARRANGEMENTS**

For information on your trip to Cairo, as well as accommodation, conference tours, please contact IWTC travel arrangements at the permanent secretariat:

Tel., Fax: +2 03 5920641

Tel., Fax: +2 03 5563619