



22nd International Water Technology Conference IWTC-XXII iwtc2019.website2.me

12 -13 September 2019

Ismailia, Egypt
Tolip Elforsan, Ismailia



Organized By:



International Water Technology Association www.iwta.info

In co-operation with



Egyptian Chinese University



Mansoura University



Port Said University



Holding Company for
Water and Wastewater



Water Research Center



Engineering Syndicate

Academic Organizers

- Academy of Scientific Research and Technology, (ASRT), *Egypt*.
- Clusters of Scientific Innovation in the Middle East and North Africa, (COSIMENA), *Germany*
- French Geological Survey (BRGM), France's Public Institution in Earth Science Applications, *France*
- Kuwait Institute for Scientific Research (KISR), *Kuwait*
- National Research Council (CNR), *Italy*
- National Water Research Centre (NWRC), *Egypt*
- RWTH Aachen University, (RWTHAU), *Germany*
- Shirshov Institute of Oceanology, RAS, *Russia*
- Technische Universität Berlin Campus El Gouna, (TUBGEC), *Germany*



Objectives

This edition of International Water Technology Conference is the twenty second of event series initiated by The International Water Technology Association (IWTA) twenty one years ago. The conference offers an opportunity to present and discuss the most recent technological innovations and scientific developments associated with the water resources management, water treatment technology, environmental and ecological systems, agricultural-water related issues and water infrastructure. The conference brings together researchers, scientists, water professionals, end-users, managers, decision makers and stakeholders from universities, research institutes, governmental agencies, industries and other interest groups. The conference participants will discuss and develop a general framework for minimizing and preventing the deterioration in water quality, remediation, restoration, innovative treatment technologies, energy consumption, and optimizing water resources planning and management facing scarcity. On the sidelines of the conferences, international exhibitions have been hold that offer the perfect occasion for discussing the new trends in the field of water industry. The exhibitors are contractors, manufacturers and all specialized companies in water industry field.

Conference Honorary Chairmen Board

Ashraf Elshihy	President of Egyptian Chinese University, Egypt
Ashraf Abdel Basset	President of Mansoura University, Egypt
Shams Elden Shaheen	President of Port Said University, Egypt
Mahmoud Saqr	President of Scientific Research and Technology Academy, Egypt
Mamdouh Raslan	Chairman, Holding Company for Water and Wastewater, Egypt
Hossam El-Moghazy	Alexandria University, Egypt

Conference Chairman

Magdy Abou Rayan
President of IWTA and Ex-President of MansouraUni, Egypt.

Conference Vice Chairmen

Andrea Scozzari	CNR-ISTI, Italy
Hani Sewilam	RWTH Aachen University, Germany

Conference Secretary General

Kamal El-Nahhas	Suez Canal Authority, Egypt
-----------------	-----------------------------

Organizing Committee

Abd Elnaby Kabeel	Tanta University, Egypt
Ali Al Magar	Environment Consult, KSA
Ayman Ibrahim	Port-Said University, Egypt
Ibrahim Khalid	M. Matroh Water and Wastewater co, Egypt
Juneseok Lee	Manhattan college, Riverdale, USA
Lachen Benaabidate	USMBA-Fez, Morocco
Mohamed Abuhashim	Zagazig University, Egypt
Mohamed Azaroual	BRGM, France
Mohamed Mossad	Mansoura University, Egypt
Nabil Hassan	Zagazig University, Egypt
Oliver Saavedra	Universidad Privada Boliviana, Bolivia
Safey Elden Metwaly	Desert Research Center, Egypt
Sherine S. Ismail	NRI, NWRC, MWRI, Egypt
Tamim Younos	GWIAcademy, Washington, DC, USA

Scientific Committee Scientific Committee Chairmen

Andrey Kostianoy Russian Academy of Sciences, Russia
Abdel Razik Zidan Mansoura University, Egypt

Scientific Committee Members:

Abdelazim Negm Zagazig University, Egypt
Abdelmoneim Abdelbary AASTMT, Egypt.
Adel Alhadad Water Research Center, Kuwait
Ahmed Rashed Drainage Research Inst. , NWRC, Egypt
Amgad Alansary Cairo University, Egypt
Amr El-Feki Mansoura University, Egypt
Ibrahim Gar Al-Alm Mansoura University, Egypt
Martina Zelenáková Technical University of Košic, Slovakia
Matthias Barjenbruch Technische Universitaet Berlin, Germany
Mohamed Ashour Assuit University, Egypt
Mohamed Basiouny Egyptian Chinese University, Egypt
Nabil Elmenshawy Port Said University, Egypt
Nikolaos Tzoupanos Technische Universitaet Berlin, Germany
Pavel Vlasak Academy of Science, Czech Republic
Raja Ben Amar Sfax University, Tunisia
Rifaat Abdel Wahaab HCWW, Egypt
Saad Ragab Virginia Tech. University , USA.
Sohair I. Abou-Elela National Research Center, Egypt

Executive and Program Committee

Kamal El-Nahas Suez Canal Authority, Egypt (chairman)
Magdy El-Sharkawy IWTa, Egypt
Madonna Magdy Mansoura University, Egypt
Nahla Ali IWTa, Egypt
Walaa Ibrahim IWTa, Egypt
Walaa Tarek Mansoura University, Egypt

Registration

Regular registration \$450 USD
On-site registration fees \$500 USD

Registration for local participants:

Registration with accommodation 3150 EGP
Without accommodation 1750 EGP

Registration fees for participants cover:

- Conference briefcase and registration kit
- Opening and closing ceremonies
- Accommodation for 3days, 2 nights at conference hotel with breakfast per person in a double room
- Coffee breaks and Dinner
- Conference proceedings and publications
- Attendance to all the conference sessions, keynote talks and workshops

Previous acceptance rate: 45% in average

Conference Topics

1. Water Resources Planning and Management:

- Integrated water resources management
- Water resources for sustainable development
- Remote sensing and GIS applications
- Impacts of global and regional climate change
- Water quality and protection
- Trans-boundary water conflict and cooperation issues

2. Water Treatment Technology:

- Waste water treatment technologies
- Computer applications in water treatment
- Purification plants and networks
- Hydraulic machinery
- Environmental impact assessment
- Surface and subsurface wetlands

3. Desalination Technologies:

- Membrane based technology
- Desalination by renewable energy
- Desalination hybrid systems
- New trends in water desalination

4. Groundwater Flow:

- Artificial recharge and active management of aquifers
- Groundwater flow and contamination
- Integrated coastal aquifer management
- Computational groundwater

5. Hydraulics and Hydraulic Structures:

- Water distribution systems analysis
- Sediment transport and modeling techniques
- Maintenance and rehabilitation of hydraulic structures
- IT applications in water infrastructure
- Coastal and harbor engineering

6. Agricultural Water Issues:

- Sustainable agriculture and mega projects
- Agricultural water pollution and reuss technologies
- Low water consumption crops

- New trends in virtual water use and transboundary cooperation

7. Hydroinformatics:

- Water Resources development and modeling process
- Water supply and sanitation technologies
- Water and food scarcity and agriculture developments
- Hybrid hydro models
- Pros and cons of hydro modeling process

8. Nanotechnology approach:

- Water Treatment applications
- Desalination Technologies
- Groundwater Flow applications
- Agricultural Water Issues

Paper Submission Procedure

Submit your paper directly via e-mail. The paper should be prepared according to the author's guidelines posted on the conference website. Violation of the template may lead to rejection of the paper.

Reviewing Process & Publication

- All Conference papers will be reviewed by the members of the scientific committee and distinguished professors from the academic organizations
- Selected best full papers will be published in the peer reviewed IWTJ (iwjtj.info).

Conference Reward

There will be a reward to the best research paper in each track /topic

Deadlines

Abstract submission	01 April 2019
Notification of acceptance	15 April 2019
Submission of revised paper	15 May 2019
Notification of acceptance	15 June 2019

Contacts and Inquiries

Tel/ Fax: +20 50 2203422 Mobile: 01212598797
E-mail: iwta.iwta@gmail.com
Web page: <http://iwta2019.website2.me>