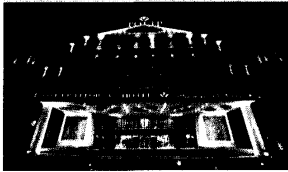




**22nd International Water Technology Conference
IWTC-XXII iwtc2019.website2.me**

12 -13 September 2019

Ismailia, Egypt
Tollp Elforsan, Ismailia



Organized By:



International Water Technology Association www.iwta.info

In co-operation with



Egyptian Chinese 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, water treatment technologies. On the other hand, the conference will discuss 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 Mansoura Uni, Egypt.

Conference Vice Chairmen

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

Conference Secretary General

- | | |
|-----------------------|-----------------------------|
| Kamal El-Nahas | 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 |
| Eachen 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 | GWI Academy, Washington, DC, USA |

Defunct to Committees
Scientific Committee Chairmen

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Abdel Razik Zidan Mansoura University, Egypt

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Abdelazim Negm Zagazig University, Egypt
Abdelmoneim Abdelbary AASTMT, Egypt.
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Sohair I. Abou-Elela National Research Center, Egypt

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Magdy El-Sharkawy IWTA, Egypt
Magdy El-Sharkawy Mansoura University, Egypt
Magdy El-Sharkawy IWTA, Egypt
Wahab Elwanly 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 2days, 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
- Water supply and sanitation technologies

3. Desalination Technologies:

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

4. Groundwater Management:

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

5. Hydraulics

- 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
 - Water and food scarcity and agriculture developments
7. Hydroinformatics:
- Water Resources development and modeling process
 - Hybrid hydro models
 - Pros and cons of hydro modeling process
 - ICT applications to smart water systems
8. Nanotechnology applications:
- 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 (iwtj.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

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