



**23<sup>rd</sup> International Water Technology Conference**  
**IWTC-XXIII [iwtc2019.website2.me](http://iwtc2019.website2.me)**

**18 -21 June 2020**

**Sharm Elsheikh, Egypt**  
**Maritim Jolie Ville Resort & Casino**



**Organized By:**



**International Water Technology Association [www.iwta.info](http://www.iwta.info)**

**In co-operation with**



**Mansoura University**



**Egyptian Chinese University**



**Port Said University**



**Holding Company for Water and Wastewater**



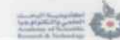
**Water Research Center**



**Obour University, Egypt**

**Academic Organizers**

- ✦ Academy of Scientific Research and Technology, (ASRT), **Egypt**
- ✦ Arab Water Council, (AWC), **Egypt**
- ✦ 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**
- ✦ 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 third of event series initiated by The International Water Technology Association (IWTA) twentytwo 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 held 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**

- |                            |   |
|----------------------------|---|
| <b>Ashraf Elshihy</b>      | President of Egyptian Chinese University, Egypt           |
| <b>Ashraf Abdel Basset</b> | President of Mansoura University, Egypt                   |
| <b>Shams Elden Shaheen</b> | President of Port Said University, Egypt                  |
| <b>Mamdouh Raslan</b>      | Chairman, Holding Company for Water and Wastewater, Egypt |
| <b>Hossam Moghazy</b>      | Former Minister of Water Resources and Irrigation, Egypt  |

**Conference Chairman**

- |                         |  |
|-------------------------|--|
| <b>Magdy Abou Rayan</b> | President of IWTA and Ex-President of Mansoura Uni, Egypt. |
|-------------------------|--|

**Conference Vice Chairmen**

- |                        |                                 |
|------------------------|---------------------------------|
| <b>Andrea Scozzari</b> | CNR-ISTI, Italy                 |
| <b>Hani Sewilam</b>    | RWTH Aachen University, Germany |

**Conference Secretary General**

- |                        |                             |
|------------------------|-----------------------------|
| <b>Kamal El-Nahhas</b> | Suez Canal Authority, Egypt |
|------------------------|-----------------------------|

**Organizing Committee**

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

**Scientific Committee**  
**Scientific Committee Chairmen**

<b>AndreyKostianoy</b>	Russian Academy of Sciences, Russia
<b>Abdel RazikZidan</b>	Mansoura University, Egypt

**Scientific Committee Members:**

<b>AbdelazimNegm</b>	Zagazig University, Egypt
<b>Adel Alhadad</b>	Water Research Center, Kuwait
<b>Ahmed Rashed</b>	Ground Water Inst, NWRC, Egypt
<b>AmgadAlansary</b>	Cairo University, Egypt
<b>Amr El-Feki</b>	Mansoura University, Egypt
<b>Ibrahim Gar Al-Alm</b>	Mansoura University, Egypt
<b>ImanElazizy</b>	Egyptian Chinese University, Egypt
<b>Martina Zeleňáková</b>	Technical University of Košic, Slovakia
<b>Matthias</b>	Technical University of Berlin, Germany
<b>Barjenbruch</b>	
<b>Mohamed Ashour</b>	Assuit University, Egypt
<b>Mohamed Basiouny</b>	Egyptian Chinese University, Egypt
<b>Nabil Elmenshawy</b>	Port Said University, Egypt
<b>Nikolaos Tzoupanos</b>	Technische Universität Berlin, Germany
<b>Raja Ben Amar</b>	Sfax University, Tunisia
<b>Rifaat Abdel Wahaab</b>	HCWW, Egypt
<b>SaadRagab</b>	Virginia Tech. University, USA.
<b>Sohair I. Abou-Elela</b>	National Research Center, Egypt

**Executive and Program Committee**

<b>Kamal El-Nahhas</b>	Suez Canal Authority, Egypt (chairman)
<b>Asmaa Samir</b>	IWTA, Egypt
<b>Nahla Ali</b>	SCA, Egypt
<b>Walaa Ibrahim</b>	IWTA, Egypt
<b>WalaaTarek</b>	Mansoura University, Egypt

**Registration**

<b>Registration with accommodation</b>	<b>\$490 USD</b>
<b>On-site registration fees</b>	<b>\$550USD</b>

**Registration for local participants:**

<b>Registration with accommodation</b>	<b>4600 EGP</b>
<b>Registration with accommodation for one night</b>	<b>2550 EGP</b>
<b>Without accommodation</b>	<b>1500 EGP</b>

**Registration fees for participants cover:**

- Conference briefcase and registration kit
- Opening and closing ceremonies
- Accommodation for 4 days, 3 nights at conference hotel full board per person in a double room
- 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 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 reuse technologies

- Low water consumption crops
- 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 ([iwjt.wordpress.com](http://iwjt.wordpress.com)).

**Conference Reward**

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

**Deadlines**

<b>Abstract submission</b>	<b>14 February 2020</b>
<b>Notification of acceptance</b>	<b>21 February 2020</b>
<b>Submission of revised paper</b>	<b>21 March 2020</b>
<b>Notification of acceptance</b>	<b>14 April 2020</b>

**Contacts and Inquiries**

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- Conference Secretary General (Dr. Kamal El-Nahhas)  
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