

**3rd International
Conference & Exhibition
on
Sustainable Water
Supply and Sanitation
(SWSSC 2016)**



**Holding Company
for Water & Wastewater**



Cairo, Egypt

25-27 September 2016
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(SWSSC 2016)



**3rd International Conference & Exhibition on
Sustainable Water Supply and Sanitation (SWSSC 2016),
25-27 September 2016 - Cairo, Egypt**

Message from the Conference President

I am pleased to inform you that 3rd SWSSC 2016 – Egypt International Conference on Water Supply & Sanitation will once again be held on 25-27 September, 2016 at Cairo.

The Holding Company for Water and Wastewater in Egypt (HCWW) is proud to organize the 3rd International Conference and Exhibition on Sustainable Water Supply and Sanitation (SWSSC 2016).

SWSSC 2016 will address the latest and most pertinent water issues confronting our rapidly changing world. Sustainable water supply and sanitation is a very important issue due to the increase in water scarcity, the impact of climate change & adaptation, and the increasing demand in water and competition among different usages.

By organizing this conference, HCWW is aiming at keeping attendees posted with engineering best practices, successful case studies, and innovative solutions for problems in the water & wastewater sector, industrial wastewater management, stormwater management and climate change adaptation.

The SWSSC 2016 Conference and Exhibition will be the platform that brings together water professionals, policymakers, private institutions, industry leaders, experts, consultants, regulators, academics, and practitioners.

The 25 affiliated companies staff of the HCWW will have the chance to address water and wastewater challenges, exchange knowledge, get exposed to up-to-date technologies, and strengthen their capacity.

The conference will certainly provide an opportunity for all attendees to observe and discuss technical as well as policy issues. Collectively as a global water community, we will optimize the benefit by sharing in improving the level of proficiency and efficiency in the delivery of water services for a sustainable future for next generations.

As the Middle East region's economy and future depends on the ability to address water scarcity issues, this summit will focus on non-conventional water resources as a viable solution to water shortage and a reliable source of water and a strategic option for satisfying current and future domestic water supply requirements

We look forward to the participation of all interested parties whether speaker, exhibitor or attendee. We would like to invite you to submit abstracts to 3rd SWSSC 2016.

Conference Higher Committee

Eng Mamdouh Raslan	Chairman, Holding Co. for Water and Wastewater, Egypt
Prof. Dr. Salah Bayoumi	Vice-Chairman, Holding Co. for Water & Wastewater, Egypt
Prof. Dr. Ahmed Moawad	Vice-Chairman, Holding Co. for Water & Wastewater, Egypt

Conference Scientific Committee

Prof. Dr. Rifaat Abdel Wahaab	Chairman, Scientific Committee, Holding Co. for Water and Wastewater, Egypt
Prof. Dr. Fatma El-Gohary	National Research Center, Egypt
Prof. Dr. Ahmed Gaber	Cairo University, Egypt.
Prof. Dr. Hamdy Ibrahim	Ain Shams University, Egypt
Prof. Dr. Daa El-Monairy	Zagazig University, Egypt
Prof. Dr. Ragaie Lasheen	National Research Center, Egypt
Prof. Dr. Samia El-Gendy	National Water Research Center, MWRI, Egypt
Prof. Dr. Jules van Lier	TU-Delft, The Netherlands
Prof. Dr. Magdy Salah	National Water Research Center, MWRI, Egypt
Prof. Dr. Essam Khalifa	Ministry of Water Resources and Irrig. (MWRI), Egypt
Prof. Dr. Thomas Grischek	Dresden University of Applied Sciences, Germany
Prof. Dr. Sven Geissen	Technical University of Berlin, Germany
Eng. Ernst Doering	GIZ, Egypt
Dr. Ismail Al Baz	GIZ, Jordan
Mr. Hachmi Kennou	The Mediterranean Water Institute (IME), France
Prof. Dr. Bassim Abbassi	University of Guelph, Canada
Dr. Noama Shareef	ACWUA, Jordan
Prof. Dr. Ghada Kassab	University of Jordan, Jordan
Prof. Dr. Christoph Luthi	Eawag-Sandec, Switzerland
Prof. Dr. Enas El-Sheikh	Port Said University, Egypt
Prof. Dr. Uwe Troeger	Technical University of Berlin (TUB), Germany
Prof. Dr. Maha Halalsheh	University of Jordan, Jordan
Mr. Jean Antoine Faby	AgroParisTech-ENGREF, France
Eng. Philippe Reymond	Eawag-Sandec, Switzerland
Eng. Mustafa Nasereddin	ACWUA, Jordan
Dr. Azmy Ghonim	German Water Partnership (GWP), Germany
Dr. Kamal Ghodeif	Suez Canal University, Egypt
Dr. Moustafa Moussa	Helwan University, Egypt
Dr. Tarek Nada	Holding Co. for Water and Wastewater, Egypt
Dr. Hazem Gouda	University of the West of England, UK
Eng. Ruediger Heidebrecht	German Water Partnership (GWP), Germany

Conference Organizing Committee

Prof. Dr. Rifaat Abdel Wahaab, Chairman, Organizing Committee, HCWW.	Dr. Hesham Afifi
Eng. Mohamed Moawad	Eng. Mohy Ahmed
Dr. Mohamed Khalil	Mr. Mohy El-Serafy
Eng. Hesham Hanafy	Ms. Neveen Abdel Rohman
Dr. Soliman Sorour	Eng. Mustafa Nasereddin (ACWUA), Jordan
Dr. Sherif Souror	Ms. Seham Hashem
Dr. Yaser Abu Khair	Eng. Sameh A. Hafeez
Ms. Reham Reda	Mr. Ahmed Reda

It is worth mentioning however that more than 800 delegates attended the 2nd Sustainable Water Supply and Sanitation Conference 2012 where 100 oral and 50 poster presentations have been presented. Enthusiastic responses and lively discussions attested the success of the conference as a platform for discussions among water professionals.

Themes for Sustainable Water Supply and Sanitation 2016

In 2016, Sustainable Water Supply and Sanitation Conference continue its focus on a wide range of topics along the six main themes:

1. Drinking Water Supply Systems.
2. Sustainable Wastewater Treatment Technologies.
3. Innovative Technologies for Industrial Wastewater Treatment.
4. Advanced Sea Water Desalination Technologies.
5. Wastewater Reuse and Sludge Applications.
6. Stormwater Management.
7. Climate Change Adaptation.
8. Capacity Development.

The following topics are provided only as guidance on the wide range of topics that may be covered at the conference. The Scientific Committee welcomes abstracts, which fit within one of the topics shown below:

Theme 1: Drinking Water Supply Systems:

- Low Cost Technologies for Rural Drinking Water Supply.
- River Bank Filtration (RBF).
- Groundwater Management.
- Aquifer and Seawater Intrusion; and Contamination of Fresh Water Resources.
- Advanced Oxidation.
- Plant Operation and Maintenance.
- Energy Efficiency in Water Supply Systems.
- Water Distribution Modeling and leak detection.

Theme 2: Sustainable Wastewater Treatment Systems:

- Sustainable Technologies for Sewage Treatment in Rural Villages & Small Communities.
- Upgrading of Wastewater Treatment Plants.
- Innovative and low-cost Technologies for Wastewater Treatment Facilities.
- Membrane Application.
- Operation and Maintenance.

Theme 3: Innovative Technologies for Industrial Wastewater Treatment:

- Industrial Waste Management Strategies.
- Hazardous and Industrial Wastewater Treatment.
- Advanced treatment, total recycling and reuse of wastewater.
- Waste-to-Energy Concepts.

Theme 4: Advanced Sea Water Desalination Technologies:

- Desalination Technologies and Fundamentals.
- RO Desalination System - Design and Costs.
- Advanced Desalination Plant Design and Operations.
- Ultra-filtration, Nano-filtration Membranes.
- Desalination Plant Performance Analysis and Optimization.
- Design and Operation of Small Desalination Plants.

Theme 5: Wastewater Reuse and Sludge Application:

- Appropriate Wastewater Treatment Technologies.
- Environmental Impact, Health and Safety.
- Soil Carrying Capacity and Wastewater Reuse.
- Crops and Wastewater Reuse.
- Sludge Treatment and Energy.
- Risk Management of Sludge Reuse.
- GHG Reduction, Energy Recovery and CDM Application.

Theme 6: Stormwater Management:

- Stormwater and Climate Change Adaptation.
- Stormwater Warning and Risk Adaptation.
- Stormwater Protection-Product and Process.
- Stormwater Risk Modeling and Forecasting.
- Urban Flood Modeling.
- Risk Assessment and Recovery.
- Innovative Approaches and Emergency Preparedness.
- Case Studies.

Theme 7: Climate Change Adaptation:

- Climate Change & Water issues.
- Climate Change & Coastal Management.
- Adapting Agriculture to Climate Change.
- Tools and Methods for Climate Change Adaptation and Mitigation Assessments.
- Case Studies & Lesson Learnt.

Theme 8: Capacity Development and Environmental Awareness:

- Institutional analysis for best Operation & Maintenance practices.
- Integrated Water Resources Management.
- Benchmarking for Water and Wastewater Utilities.
- Finance & Management (Setting up Management Information Systems).

Language

The official language of the conference is English. Simultaneous translation service will be provided.

Important Dates

- Deadline for submission of abstracts: **31th May 2016**.
- Notification of abstract acceptance: **30th June 2016**.

Abstract Submission and Instruction for Authors

Authors may submit abstracts up to 1 page written in English on the following e-mail addresses:

- nashwa.nassar@hcww.com.eg
- mohamed.abdeen@hcww.com.eg

Receipt of abstracts will be acknowledged by e-mail. Abstracts are to be prepared and submitted electronically according to the instructions given below, the latest by **31th May 2016**.

Submission and Cover Note Format

Abstracts are written in English and should not exceed one page and must be prepared using standard PC-based MS Word software. Use a 12-point serif font (e.g. Times New Roman) and leave 1-inch (2.5-cm) margins left, right, top, and bottom. Center the title (maximum 12 words, all-caps, bold type) at the top of the page. Leave a blank line before beginning the author list, which also is centered. If several authors are from one organization, the organization needs to be typed only once. After each author or group of authors, use parentheses to enclose their affiliation - institution, city, and country. Bold and italicize the name of the presenting author. Leave a blank line after the authors and then begin the text, typing it single-spaced and justifying only the left margin. Leave one blank line between paragraphs.

When submitting, include the necessary submittal data in the cover note, organized under the following format:

- (1) Title: Title of abstract should not exceed 12 words.
- (2) Author and Address: Presenting author is the person expected to make the presentation at the Conference. Include all contact information - name, academic employment title, department, institution, address, city, country, cellular number, e-mail address.
- (3) Author List: List full names of all co-authors and contact information, and indicate the corresponding author of the paper/abstract.

Review

Abstract received before **31th May 2016** will be reviewed by the Scientific Committee, but the final decision will be based on overall design of the Conference program.

Notification of Acceptance

By **30th June 2016**, the Committee's decision on each abstract will be mailed to the presenting author. If the abstract was accepted, this letter will state the platform or poster session to which the abstract has been assigned and will provide instructions to proceed with the presentation. At least one author for each selected paper must register and attend the conference to present the paper.

Conference Exhibition

The exhibition at 3th SWSSC 2016 will offer an opportunity for companies to present their products and services. The conference programme will provide an opportunity for exhibitors to get to know the problems and needs of water and wastewater sectors in Egypt, and to provide information on their products and services to delegates.

Who should exhibit at SWSSC 2016?

Companies operating and business falls under one of the categories listed below will benefit from exhibiting at the 3rd International Conference and Exhibition on Sustainable Water Supply and Sanitation 2016.

Water Treatment

Water treatment plant, including packaged plants aeration and agitation equipment. Filtration equipment and media. Disinfection equipment and chemicals and sludge-handling equipment.

Wastewater Treatment

Wastewater treatment system, sludge treatment and dewatering, odour control system. rotators, aerators and pumps.

Ground Water Development

Water level and quality monitoring equipment. Submersible borehole pumps. Well screens and linings. Geophysical investigation services and equipment.

Water Desalination Technologies

Advanced Desalination Technologies, including packaged plants equipments, desalination system, Reverse Osmosis, Ultrafiltration, Nano-filtration membranes for brackish water, Seawater Desalination, Small desalination plants.

Distribution and House Connection

Pipes, fittings and pipe-handling equipment, valves, actuators and main tapping systems. Leak location and repair systems. Water tankers, meters and corrosion control.

Sewerage and Urban Drainage

Sewer and pipe systems. Manholes and drains sewer and pipe inspection and safety equipment.

Irrigation and Drainage

Irrigation systems, Sprinkler systems, Drip systems and Drainage pipes.

Monitoring and Instrumentation

SCADA system. Telemetry and GIS systems. Billing and accounting equipment, Meter reading equipment. Flow, temperature and level monitors and Laboratory equipment.

Conference Registration Fee

- 1500 LE (Egyptian Pound) for Egyptian
- 500 US\$ (US Dollar) for Non-Egyptian

The registration fee includes conference attendance, documents, meals, coffee breaks and welcome function. The fees are to be paid by swift transfer, payable to the "Holding Company for Water and Wastewater".

Exhibition Space Booking

You can reserve your space by submitting an application together with your deposit.

Please contact:

- **Mr. Mohy El-Serafy** (Mobile: +2 01270000593)
- **Mr. Ahmed Reda** (Mobile: +2 01200080094)

Bank Settlement

Address: National Bank of Egypt - Olwy Branch - 4 Shawarby Street of Kasr El Nil Street, Cairo, Egypt

US Dollar Account Number : 11001207778
Euro Account Number : 11001207774
Egyptian Pound Account Number : 01051207771
Swift Number : NBEGEGCXA004

Accommodation

Authors attending the conference will bear their own expenses (flight tickets & hotel accommodation). A list of hotels will be provided shortly to the registered foreign participants. Reservations can be made directly to the hotel or through the conference organizers.

Location

The Conference and Exhibition will be held during the period 25 - 27 September 2016, at Cairo - Egypt

Conference & Exhibition Managing Director

For any inquiry please contact the Conference & Exhibition Managing Director or his Assistant:

Prof. Dr. Rifaat Abdel Wahaab

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