



Holding Company  
for Water & Wastewater

Sustainable  
Water Supply &  
Sanitation  
Conference

27-29 Feb 2012, Cairo, Egypt

Call for Abstract  
Call for Abstract





**Sustainable  
Water Supply &  
Sanitation  
Conference**  
27-29 Feb 2012, Cairo, Egypt

**2<sup>nd</sup> International**  
Conference and Exhibition  
27-29 Feb 2012 Cairo, Egypt

## Message from the Conference President



The Holding Company for Water and Wastewater in Egypt (HCWW) is proud to organize the Second International Conference and Exhibition on Sustainable Water Supply and Sanitation (SWSSC 2012).

SWSSC 2012 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 increase in water scarcity, impact of climate change globally recognized, and high 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 water and wastewater sector.

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

The 23 affiliated companies' staff will have the chance to address water challenges, exchange knowledge, get exposed to up-to-date technologies, and strengthen their capacity.

The conference will certainly provide an opportunity to 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. We look forward to the participation of all interested parties in the SWSSC 2012.

**Eng. El Sayed Nasr Arafat**

HCWW - Chairman and Conference President



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## Conference Scientific Committee

Prof. Dr. Rifaat Abdel Wahaab	——	Holding Co. for Water & Wastewater, Egypt.
Prof. Dr. Salah Bayoumi	——	Holding Co. for Water & Wastewater, Egypt.
Prof. Dr. Ahmed Moawad	——	Holding Co. for Water & Wastewater, Egypt.
Prof. Dr. Fatma El-Gohary	——	National Research Center, Egypt.
Prof. Dr. Ahmed Gaber	——	Cairo University, Egypt.
Prof. Dr. Ahmed Fadel	——	Mansoura University, Egypt.
Prof. Dr. Ragaie Lasheen	——	National Research Center, Egypt.
Prof. Dr. Anas Abo Elela	——	Holding Co. for Water & Wastewater, Egypt.
Prof. Dr. Sameh Abdel Gawad	——	Cairo University, Egypt.
Prof. Dr. Adel Sharif	——	University of Surrey, UK.
Prof. Dr Ibrahim Abdel Gelil	——	Arabian Gulf University, Bahrain.
Prof. Dr. Edward Smith	——	American University in Cairo(AUC), Egypt.
Prof. Dr. Khaled AbuZeid	——	CEDARE, Egypt.
Prof. Dr. Mohamed Badawy	——	National Research Center, Egypt.
Prof. Dr. Thomas Grischek	——	University of Applied Science, Dresden, Germany.
Prof. Dr. Mohamed Hasan	——	Egyptian Water Regulatory Agency (EWRA), Egypt.
Prof. Dr.Faisal Taha	——	International Center Biosaline Agriculture, UAE.
Prof. Dr. Maha El-Shafei	——	Housing and Building National Research Center, Egypt.
Dr. Mohamed Seddik	——	Technical Office.
Dr. Hans-Werner Theisen	——	GIZ, Egypt.
Eng. Khaldon Khashman	——	Arab Countries Water Utilities Association (ACWUA),Jordan.
Dr. Moustafa Moussa	——	Helwan University, Egypt.
Dr. Hazem Gouda	——	University of the West of England, UK.
Dr. Yasser Elwan	——	African Development Bank, Egypt.
Dr Abdulaziz Bashammakh	——	King Abdul Aziz University, KSA.
Eng. Tom Pankratz	——	International Desalination Association, Texas, USA.
Eng. John Tonner	——	University of Paisley, Scotland.
Dr. Jaber Almedeij	——	Kuwait university, Kuwait.
Dr. Kamal Ghodeif	——	Suez Canal University, Egypt.

## Conference Organizing Committee (HCWW)

Prof. Dr. Rifaat Abdel Wahaab	——	Research & Development.
Prof. Dr. Salah Bayoumi	——	Projects Sector.
Prof. Dr. Ahmed Moawad	——	Planning Sector.
Dr. Mohamed Seddik	——	Technical Office.
Dr. Hesham Afifi	——	Financial Sector.
Eng. Mohamed Moawad	——	Human Resources.
Mr. Mohy Elserafy	——	Public Relation.
Ms. Neveen Abdel Rohman	——	Awareness & Customer Service.
Dr. Mohamed Bakr Ibrahim	——	Water Reference Laboratory.
Dr. Khaled Fahmy	——	Quality & Environmental Affairs.

## Themes for Water Supply and Sanitation Conference 2012

It is worth mentioning that more than 800 delegates attended the First Sustainable Water Supply and Sanitation Conference 2010 where 100 oral and 50 posters presentations have been presented. Enthusiastic responses and lively discussions attested the success of the conference as a platform for discussions among water professionals.



In 2012, Sustainable Water Supply and Sanitation Conference continue its focus on a wide range of topics along the following six main themes:

1. Drinking Water Systems.
2. Sustainable Wastewater Treatment Technologies.
3. Industrial Wastewater.
4. Advanced Sea Water Desalination Technologies.
5. Wastewater Reuse and Sludge Application.
6. Capacity Development.



Water Supply and Sanitation Conference 2012 is calling all prospective authors to submit abstracts from **15 June 2011**. For more information, visit our website at <http://swssc.hcww.com.eg> to download the Conference 2012- Call for Papers brochure.



## Topics of Interest

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 articles, which fit within one of the topics shown below:

### Theme 1: Drinking Water Systems

- Strategic Approach to Sustainable Water Use.
- Low Cost Technologies for Rural Drinking Water Supply.
- Water Distribution Networks Modeling.
- Sustainability of Water Supplies in Provincial Egypt.
- River Bank Filtration (RBF).
- Groundwater Management.
- Aquifer and Seawater Intrusion; and Contamination of Fresh Water Resources.
- Advanced Oxidation.
- Plant Operation & Maintenance and Asset Management.
- Non-revenue water, and Leakage Management.



### Theme 2: Sustainable Wastewater Treatment Technologies

- Upgrading of Wastewater Treatment Plants.
- Innovative and low-cost Technologies for Wastewater Treatment Facilities.
- Sustainable Technologies for Sewage Treatment in Rural Villages & Small Communities.
- Advanced Treatment, total Recycling and Reuse of Wastewater.
- Operation & Maintenance and Asset Management.
- Sewer Networks Modelling.

### Theme 3: Industrial Wastewater

- Hazardous and Industrial Waste Regulations and Control.
- Waste / Contaminated Sites Characterization.
- Industrial Waste Management Strategies.
- Hazardous and Industrial Wastewater Treatment.
- Waste-to-Energy Concepts.



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## Theme 4: Water Desalination Technologies

- Sea Water Intakes, Outfalls and Their Environmental Effects.
- Desalination Technologies and Fundamentals.
- Advanced Desalination Plant Design and Operations.
- Membrane Technologies.
- Hybrid Desalination Systems.
- Desalination Plant Performance Analysis and Optimization.
- Design and Operation of Small Desalination Plants.
- Desalination Plant Case Studies.



## 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 Disposal.
- Risk Management of Sludge Reuse.
- GHG Reduction, Energy Recovery and CDM Application.



## Theme 6: Capacity Building

- Institutional Analysis for best Operation & Maintenance Practices.
- Integrated Water Resources Management.
- Benchmarking for Water and Wastewater Utilities.
- Water Utilities reform.
- Finance & Management and Billing System.

## Venue

The conference will be held in Cairo – Egypt at the CICC “Cairo International Conference Center” approximately 10 km from Cairo Airport. Free shuttle bus will be available for transportation.

## Language

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



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## Important Dates

- Abstracts are welcomed as of 15 June 2011.
- Deadline for submission of abstracts 31 October 2011.
- Notification of abstract acceptance 30 November 2011.
- Full Manuscript submission deadline 1 January 2012.

## Abstract Submission and Instruction for Authors

Authors may submit abstracts up to 1 page written in English to the following e-mail address: [SWSSC@hcww.com.eg](mailto:SWSSC@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 **31 October 2011**.

## Submission and Cover Note

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 name needs to be typed only once. After each author or group of authors, use parentheses to enclose their affiliation - institution, city, and country. The name of the presenting author should be bold and italicize. 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: do not indent paragraphs.

Submissions should demonstrate significant advanced knowledge in the conference topics. At least one author for each selected paper requires full registration to present the paper.



## Format

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 **31 October 2011** will be reviewed by the Scientific/Technical Committee, but the final decision will be based on overall design of the Conference program.

## Notification of Acceptance

By **30 November 2011**, the Committee's decision on each abstract will be mailed to the presenting author. Upon the abstract's acceptance, this letter will state the platform or poster session to which the abstract will be assigned and will provide instructions to proceed with the presentation.

## Proceedings

Manuscripts are to be submitted for all abstracts accepted; the submittal deadline will be **1 January 2012**, CD with all conference manuscripts will be provided. At least one author for each selected paper must register and attend the conference to present the paper.





## Conference Registration Fee

- **600 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". To register please download Registration form from conference website: <http://swssc.hcww.com.eg> and send it to: [registration@hcww.com.eg](mailto:registration@hcww.com.eg)

## 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). List of Hotels (Heliopolis & Nasr City areas, nearby the CICC) will be provided shortly to the registered foreign participants. Reservations can be made directly to the hotel or through the conference organizers.

## Sightseeing and Social Events

Attractive package for sightseeing events will be provided shortly on the conference website.





## Conference Exhibition

Exhibitors at SWSSC 2012 Exhibition will offer an opportunity 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 2012?

Companies operating and business falls under one of the categories listed below will benefit from exhibiting at the Second International Conference and Exhibition on Sustainable Water Supply and Sanitation 2012.

#### Water Treatment

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



#### Wastewater Treatment

Wastewater treatment systems, 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.



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## Water Desalination Technologies

Advanced Desalination Technologies, including packaged plants equipments, desalination system , Reverse Osmosis, Ultrafiltration, Nanofiltration 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. No-dig equipments.

## 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.

## Location

The Exhibition will be held at CICC ( Cairo International Conference Center ) during the period from 27-29 February 2012.

## Space Booking

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

Please contact: **Mr. Mohy Elserafy** on the following email : [swssc@hcww.com.eg](mailto:swssc@hcww.com.eg)

Cell phone : + 2 012 137 0470 - + 2 016 094 4888



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## Conference & Exhibition Managing Director

For any inquiry please contact the Conference Managing Director or his Assistants:

### Prof. Dr. Rifaat Abdel Wahaab

Director, Research and Development (R&D)  
Conference Managing Director and Chairman of Scientific  
& Organizing Committee  
Holding Company for Water & Wastewater  
Kornish El-Nil-Rodeelfarag, Water Treatment Plant -  
Elsahel, Cairo - Egypt.  
Tel: +202 24583866 - Fax: +202 24583599  
Call phone: +2 011 747 7060  
E-mail: [swssc@hcww.com.eg](mailto:swssc@hcww.com.eg)  
<http://swssc.hcww.com.eg>

### Eng. Gehan Abdel El-Monem

Technical Assistant to the Conference Managing Director.  
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E-mail: [swssc@hcww.com.eg](mailto:swssc@hcww.com.eg)  
<http://swssc.hcww.com.eg>

### Ms. Seham Hashem

Administrative Assistant to the Conference Managing Director.  
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Comments:

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**Registration Form**

**Attendee Information**

Name: \_\_\_\_\_ Telephone Number: \_\_\_\_\_  
 \_\_\_\_\_  
 Job Title: \_\_\_\_\_ Fax Number: \_\_\_\_\_  
 \_\_\_\_\_  
 Company/Organization: \_\_\_\_\_ Mobile Number: \_\_\_\_\_  
 \_\_\_\_\_  
 Address: \_\_\_\_\_ E-mail Address: \_\_\_\_\_  
 \_\_\_\_\_  
 City: \_\_\_\_\_ Country: \_\_\_\_\_ Nationality: \_\_\_\_\_  
 \_\_\_\_\_

**Registration Type**

Registration description		Currency	Amount
Conference registration - <b>Egyptians</b>	<input type="radio"/>	Egyptian pounds	600
Conference registration plus hotel accommodation - <b>Egyptians (3 nights)</b>	<input type="radio"/>	Egyptian pounds	1500
Conference registration - <b>Foreigners</b>	<input type="radio"/>	US dollars	500

The below types are not available and to be filled out by registration team if applicable

Other Types of Registration		Currency	Amount
Holding Company Employee Registrations	<input type="radio"/>	Egyptian pounds	
Other registrations	<input type="radio"/>	Egyptian pounds	
Other registrations		US dollars	

**Simultaneous translation (Arabic/English)**

Needed  Not Needed

Conference sessions will run in English , please click "Needed" if you need translations into Arabic. If you are bilingual, select "Not Needed".

**Payment Method**

Payment Methods		Details	Comments
Cash	<input type="radio"/>		
Cheque	<input type="radio"/>		
Transfer in US dollars	<input type="radio"/>		
Transfer in Egyptian pounds			
Others			

Following information is to be filled out by conference organizers only:

Conference Team Information		Name	Coding (if available)
Registration			
Finance			
Chairman of the Conference			

For any inquiries, please send email to [register@hcw.com.eg](mailto:register@hcw.com.eg) or call Ola Abdelwahab at HCWW



## Holding Company for Water & Wastewater

PURE WATER .. SAFE ENVIRONMENT .. QUALITY SERVICE

### STRATEGIC OBJECTIVES

- Providing customers with excellent services.
- Preserving and developing the investments.
- Investing in our staff, and nurturing leaders from within our ranks.
- Upgrading our levels of institutional performance.
- Reaching financial independence.
- Increasing citizens' awareness of the water issues.

### MISSION

Providing high quality service in the delivery of clean, affordable and universally available drinking water, along with suitable disposal of wastewater based on sustainable economic and environmental principles.

### VISION

To develop and sustain the competencies within each of our subsidiary companies to enable them to meet and exceed international standards in the management of drinking water and wastewater in Egypt.

Holding Company for Water and Wastewater

Kornish El-Nil-Rodeelfarag Water Treatment Plant - Elsahel, Cairo - Egypt.

Tel : + 202 245 83 866 - Fax : + 202 245 83 599

Website : <http://www.hcww.com.eg>