

# 11th IWA International Conference on Water Reclamation and Reuse



## Call for Abstracts

**JULY 23-27, 2017 • LONG BEACH CALIFORNIA**

### WELCOME

On behalf of the organizing committee, it is my great honor to invite all colleagues to attend the 11<sup>th</sup> IWA International Conference on Water Reclamation and Reuse in Long Beach, California on July 23-27, 2017.

We are very pleased to hold this prime event of IWA on water reclamation and reuse for the first time in North America. This international conference is intended to foster a more uniform approach to water reuse providing water qualities that are fit for the specific purpose. This event will provide an opportunity to share knowledge regarding water reuse practices in different countries in order to build trust and further grow water reuse projects. The focus will be to bring together water managers, industry leaders, and cutting edge researchers to learn what's working, what's not and what's next in water reuse policy and regulations, technology, operations, financing and public perception.

Around the world, population growth, climate change, drought and other factors are impacting the availability of sustainable sources of clean, safe sources of potable water. As a result, the water industry is experiencing an unprecedented growth in water reuse projects. California is one of those states where the application of water reuse has risen dramatically. The State is entering the fourth year of the worst drought in a century, which has severely strained the traditional supply of water – lakes and rivers fed by rain and melting snow.

**Melissa Meeker**  
Executive Director  
WaterReuse

**Jennifer West**  
Managing Director  
WaterReuse California

**Jeff Mosher**  
Executive Director  
National Water  
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The prolonged drought in California has resulted in groundbreaking emergency measures being enacted throughout the state and intense focus on increasing the use of recycled water over the next 10 years. The state is leading the nation in developing statewide regulations to ensure a safe supply of water from water treatment facilities that recycle water directly for human consumption.

California is home to a number of world-class water reuse facilities and projects, as well as some of the most sophisticated fit-for-purpose reuse operations in the world. The situation in California provides a relevant and useful case study for the water supply challenges that communities around the world have and will be facing in the future, and we look forward to welcoming the IWA International Conference on Water Reclamation and Reuse to California.

## **ABOUT LONG BEACH**

Located in the heart of Southern California, the City of Long Beach is the perfect setting for a successful conference. The community blends the urban sophistication of a big city with the relaxed atmosphere of a beach resort. With 345 days of sunshine annually and year-round temperature of 23 °C, visitors can enjoy all that the outdoors have to offer, including more than 8 km of breathtaking beachfront along the Pacific Ocean and within 40 km of two international airports. Long Beach has consistently been chosen as one of the top 10 “most walk-able” cities in the country and is further augmented transportation systems throughout the downtown area.

## **CALL FOR ABSTRACTS**

We are very pleased to hold this prime event of IWA on water reclamation and reuse for the first time in North America. This international conference is intended to foster a more uniform approach to water reuse providing water qualities that are fit for the specific purpose. This event will provide an opportunity to share knowledge regarding water reuse practices in different countries in order to build trust and further grow water reuse projects. The focus will be to bring together water managers, industry leaders, and cutting edge researches to learn what's working, what's not and what's next in water reuse policy and regulations, technology, operations, financing and public perception.

We invite you to submit your best case studies and experiences that follow the full life-cycle of recycled water. How do we regulate reuse? How are we expanding the boundaries of how recycled water is applied? How can we better integrate water reuse and energy recovery from waste streams? What are your success stories of planning and implementation? How has technology opened new horizons? How can we enhance water reuse in developing countries?

Do not miss the opportunity to tell your story to the world's leader in water reuse while attending the 11th Annual IWA International Conference on Water Reclamation and Reuse in Long Beach, CA!

Check out the conference website to get all the latest information and submit your abstract at <http://iwareuse2017.org/>

## **CONFERENCE TOPICS**

### **Water Reuse Management**

- Challenges and strategies in setting public health regulations on emerging contaminants
- Public perception/education and outreach
- Regulatory policies, water reuse planning
- Risk management
- Role of source control and wastewater treatment plant operation in reuse applications
- Triple bottom line/life-cycle assessments in water reuse planning

### **Water Reuse Sustainability**

- Environmental impacts and mitigation (greenhouse gas emissions)
- Food-Energy-Water Nexus
- Integrated resources planning
- Integrates resource recovery and reuse water
- Reuse in developing countries
- Water supply resiliency/integrated water resource management

### **Water Reuse Applications**

- Agricultural reuse
- Environmental restoration
- Groundwater recharge (soil-aquifer treatment and aquifer storage & recovery)
- Industrial and commercial reuse
- Non-potable urban settings
- Potable water reuse (indirect and direct) via groundwater recharge and surface water augmentation
- Water reuse in the mining sector
- Zero waste discharge reuse schemes

### **Innovations in Water Reuse Technologies**

- Advances in monitoring and sensors/real time monitoring
- Energy efficiency, energy recovery, and carbon neutral approaches
- Salinity management
- Treatment technology advances
- Water quality control strategies in water reuse (chemicals of emerging concern: antibiotic resistance; emerging pathogens)
- Young water reuse professionals research sessions

## LEARNING OBJECTIVES

As part of the submission process and to stay compliant with continuing education accreditation requirements, all submitters will be asked to complete at least two learning objectives for each abstract. Learning objectives describe what the attendees will be able to do after attending your presentation; objectives are observable and measurable.

### HOW TO WRITE LEARNING OBJECTIVES:

1. Describe the information, skills, behaviors, or perspectives participants will acquire through attendance and participation.
2. Clearly identify outcomes or actions participants can expect to demonstrate as a result of attendance.
3. Write learning objectives that reflect content of session and relate to desired outcomes.
4. Use learning objectives to describe behavior of the learner; state them clearly.

## TECHNICAL PAPERS

Please note that all accepted abstracts will be asked to submit a full paper and selected papers will be peer reviewed for publication in the Journal of Water Reuse and Desalination and Water Science and Technology.

### Would You Be Willing to Provide a 3-5 minute Video of Your Presentation?

Speakers are welcome to present a 3-5 minute video to be shown during the conference. This video will be an abbreviated version of your conference presentation and will be grouped together with other videos in the same subject area and then played on a loop for conference attendees to view in the foyer area.

## IMPORTANT DATES

**October 1, 2016** – Abstracts Due

**December 15, 2016** – Authors Notified

**May 1, 2017** – Papers Due

**June 30, 2017** – PowerPoint Presentations Due

**MORE INFORMATION:** <http://iwareuse2017.org/>

### Contact Person:

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