

FIRST CALL FOR PAPERS

The University of Arizona and the Technion
are pleased to announce the
**12th Annual Water Distribution Systems Analysis
conference (WDSA 2010)** to be held
September 12-15, 2010 in Tucson, Arizona.
(WDSA2010.org)



Schedule for WDSA2010 Conference

Milestone	Date
First Call for Papers	November 1, 2009
Second Call for Papers	December 1, 2009
Abstracts Due	February 1, 2010
Decision on Abstracts	March 1, 2010
Full Papers Due	May 1, 2010
Preliminary WDSA2010 Program	June 1, 2010
Early Registration	June 1, 2010
Late Registration	July 1, 2010
Final WDSA Program	August 1, 2010
WDSA2010 Conference	September 12-15, 2010

Conference venue: Hilton El Conquistador Golf and Tennis Country Club (www.hiltonelconquistador.com)



Themes and Topics

Several emerging areas associated with water distribution will be underscored:

- WDS as a microbiological system
- Water security
- Sustainable WDS design/operation using the triple bottom line/ Water reuse/dual distribution networks design

Further, a unique holistic perspective of contaminant intrusions including detection, source identification, and response will be highlighted through a series of sessions. We intend to bring together engineers and modelers with sensor developers and utilities to provide better understandings of the issues, needs and capabilities that can be used to protect consumers.

In addition to the theme areas, additional conference topics are listed below.

Proposed Session Topics for WDSA 2010 Conference

<ul style="list-style-type: none"> • WDS as a microbiological system Description Measurement Prediction • Network Models Development & application Calibration & verification Optimization • Water Use Monitoring Estimation & Simulation End users • Field Work Tracer studies Pressure tests Case studies 	<ul style="list-style-type: none"> • Contaminant intrusion and water security Detection Source identification Response • Network Vulnerability Security Assessments Network reliability Disaster response Emerging issues • Network Water Quality Real-time monitoring & modeling Dose exposure Regulations • Asset Management GIS tools Maintenance System expansion and rehabilitation 	<ul style="list-style-type: none"> • Sustainable WDSs Design/operation Water reuse and supply Dual distribution systems • Network Hydraulics Steady state Transients • Leakage Leak detection Leak management Field studies • Mixing and dispersion Junction pipes and dead-ends Storage tanks
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Abstract instructions:

1. Deadline for abstracts February 1, 2010.
2. Provide abstract title, names, addresses and affiliations of all authors.
3. Summarize work in a maximum of 250 words.
4. Indicate your preferred method of presentation at the top of your abstract: Oral Presentation, Poster Presentation, or No Preference.
5. Applicants will be notified by e-mail whether their abstract was accepted by approximately March 1, 2010.
6. The WDSA2010 proceedings will be distributed on a CD to conference registrants and archived in the ASCE Online Research Library (www.ascelibrary.org)

Submit an abstract at: <http://openconf.engr.arizona.edu/wdsa2010>

Contact the organizing committee at wdsa2010@email.arizona.edu