

# ULTRAPURE WATER<sup>®</sup>

## Pharma-2011

Conference on  
Water Treatment for the Pharmaceutical, Biotech,  
and Healthcare Industries

DoubleTree Hotel, Philadelphia, PA

April 12-13 2011

### Executive Forum

- Pharma Water Market and Industry Status
- FDA's Perspective on Current Pharmaceutical Water Issues
  - Pharmaceutical Water Roundtable
- Technical Papers on State-of-the-Art Technologies

### One-Day Workshop

- Mastering Biofilm Control in Pharmaceutical Water Systems

### Tabletop Exhibits

For additional information, please visit:

[www.ultrapurewater.com](http://www.ultrapurewater.com)

# EXECUTIVE FORUM

## Water Treatment for the Pharmaceutical, Biotech and Health Care Industries

DoubleTree Hotel, Philadelphia, PA • April 12-13, 2011

Moderators: Mr. Joe Manfredi, **GMP Systems**; and Mr. William Collentro, **Water Consulting Specialists**

### Executive Forum Program (as of 2/28/11)

#### Tuesday, April 12:

9:00 AM—Session Introduction  
9:15-10:15 AM—Pharmaceutical Industry Overview  
Mark Hassenplug, *Ernst & Young*  
10:30 AM—Overview of the Pharmaceutical Water Business  
11:00 AM—Pharmaceutical cGMP: Know your Water Systems and Basic Approaches for Validation  
Anita Michael, *FDA*  
11:30-1:00 PM—Lunch Break  
1:00 PM—Results of USP's Industry Survey of Alternative WFI Production Methods  
T.C. Soli, *Soli Pharma Solutions, Inc.*  
2:00 PM—ISPE View on Pharma Water Issues  
Jim Breen, *Johnson and Johnson*  
2:30 PM—Monochloramine Removal-Design, Operating, and Maintenance Issues  
William V. Collentro, *Worcester Polytechnic Institute*  
3:15 PM—UV Treatment in UPW: Validated Design Innovations  
Eric Peterson, Oliver Lawal, *Aquionics*; and Halim Mirza, *Hanovia Ltd.*  
3:45 PM—Ozone Sanitization of Pharmaceutical Water Systems—Innovations in Dissolved Ozone Measurement by UV  
Vince Ciufia, *OSTI Inc.*  
4:15-5:15 PM—Pharmaceutical Water Roundtable  
5:45-7:00 PM—Reception

#### Wednesday, April 13:

8:30 AM—High-Purity Water IQ/OQ/PQ Validation  
Jason S. Mitchell, P.E., PMP, *U.S. Water Services*  
9:00 AM—Medium Pressure UV Efficiency Decomposes Water-Borne Chlorine Compounds  
Uri Levy, Ph.D., *Atlantium*  
9:30 AM—Online and Lab Subvisible Particle Analysis-Enhanced USP 788 Using Fluid Imaging Microscopy  
Thomas M. Canty, Paul O'Brien, *Canty Inc.*  
10:00 AM—Testing of an On-Line System to Replace Discreet Compendial Water Testing  
John A. Adams, Ph.D., Steven Stephenson, Ron Aube, and Liz Wessing, *JMAR*  
10:45 AM—Risk Mitigation for CIP Systems: Avoiding Systematic Failures When Using New "Green" Technology  
Erika Hanley-Onken, Hans Sundstrom, Chris Dolan, and George Barkov, *MKS Instruments*  
11:15 AM—A New Ozonation Option for Private On-Site Wastewater Treatment  
Thomas Bain, Great Lakes Clean Water LP; Edward Swales, *The Water Market*; and David Fancher, *engineer*  
11:45 AM-1:00 PM—Lunch Reception  
1:00 PM—Case Studies in the Selection of the Right Process Paths and Practices for Pharmaceutical Water Systems  
Mukesh J. Yadav, *Genentech*  
1:30 PM—Novel Ion Exchange Process to Remove Salts from Wastewaters  
Vivian Drake, *Drake Water Technologies, Inc.*  
2:00 PM—Membrane Processes for Meeting U.S. EPA Long-Term 2 SWTR  
William V. Collentro, *Worcester Polytechnic Institute*

#### Workshop Option

##### Wednesday, 8:30 AM-3:30 PM—Mastering Biofilm Control in Pharmaceutical Water Systems

T.C. Soli, *Soli Pharma Solutions, Inc.*

In this workshop will be explained the USP's public comment and revision process, as well as the USP's roles in regulating water for the pharmaceutical industry, and educating users on the basics of microbial monitoring and control. Attendees will also learn from the instructor practical information about biofilm, and why it is so difficult to control, specifics regarding successful, and not-so-successful biofilm control approaches, and why, and the role of properly applied concepts of Specifications, Action Levels, and Alert Levels in making high-quality water. Along the way, a few commonly held water system design, control, and monitoring myths will be debunked.



*Instructor Teri C. (T.C.) Soli, Ph.D., is president of Soli Pharma Solutions, Inc, with lecturing, auditing, and troubleshooting expertise covering water systems, sterilization, aseptic processing, contamination control, and microbiological laboratories. He has more than 31 years of pharmaceutical experience as a consultant and with DSM Pharmaceuticals, Glaxo Wellcome, Burroughs Wellcome, and Pfizer. He is in his third 5 year term on USP Expert Committees responsible for Pharmaceutical Water, is the primary author of USP's Informational Chapter <1231> on pharmaceutical water, and helped develop the Water Conductivity and TOC specifications used by USP and adopted worldwide.*

Visit [www.ultrapurewater.com](http://www.ultrapurewater.com) for program updates, registration information, and tabletop exhibits.

# ULTRAPURE WATER®

## -Pharma

DoubleTree Hotel, Philadelphia, PA  
April 12-13, 2011

### EXECUTIVE FORUM

Water Treatment for the Pharmaceutical,  
Biotech and Health Care Industries

Hotel reservations: 215-893-1600. Refer to Tall Oaks Publishing, or  
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### Special Offers

### EXHIBITS

Tuesday: 9:00AM-7:00PM  
Wednesday: 9:00AM-3:00PM

*Free for all Conference Registrants*

- Pharmaceutical Water Systems. \$115  
by Dr. Theodore H. Meltzer, Hardcover book,  
865 pages. Regular price \$145.
- Optimizing a High-Purity Water System  
by Paul Tan, 281 pages, hard cover. \$50.  
Regular price \$60.

Books ordered by April 8 will be delivered to conference for  
pick-up. Books ordered after this date will be shipped and  
charged accordingly.

### PAYMENT

- P.O. # \_\_\_\_\_  PAID by Check # \_\_\_\_\_

Note: All purchase orders must be paid by conference date.

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# Registration

## Registration Information

Use the accompanying registration form in, or register online at: [www.ultrapurewater.com/zencart](http://www.ultrapurewater.com/zencart). Please photocopy the form for additional registrations. To save time, simply fax or mail your completed form to the number below.

**Phone/Fax:** 303-973-6700

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**Checks:** Payment must be made in U.S. dollars, drawn on a U.S. bank. *Please make checks out to Tall Oaks Publishing, Inc.*

**Credit Cards:** VISA, MASTERCARD, DISCOVER, and AMERICAN EXPRESS are accepted.

**Note:** Your card will be processed a few days before conference date. **Your statement will show a charge by Tall Oaks Publishing.**

## Conference Location

All ULTRAPURE WATER—Pharma activities are held at the DoubleTree Hotel—Philadelphia, PA. For your convenience, we recommend that you stay at this hotel for the duration of the conference. The DoubleTree is located at 237 South Broad Street, Philadelphia, PA 19107. The hotel is centrally located in the heart of Philadelphia's cultural district on the Avenue of the Arts. Across from the Academy of Music, this comfortable high-rise is within walking distance of many of Philadelphia's attractions. ULTRAPURE WATER--Pharma participants are offered a \$139/night room stay (plus taxes), complimentary guestroom Internet access, and a discounted \$9 non-overnight parking

**Hotel Room Rates**— Single or Double-\$139 (All rates subject to additional city taxes). When making hotel reservations, it is important that you mention the ULTRAPURE WATER Conference. These special rates, as well as a block of rooms, are guaranteed only through March 10, 2011. Don't miss out — phone in your reservations today at 215-893-1600. Refer

to Tall Oaks Publishing, or Ultrapure Water in order to obtain this special rate. Reserve on-line at [www.hilton.com](http://www.hilton.com) using **TOP** as the conference code.

## On-Site Registration

You may register for the Forum at the Conference. However, we encourage you to register in advance to save time and to insure your seat availability.

## Confirmation

All registrations will be confirmed by email. You must be registered for admission to any session. Pre-registered attendees must pick up their badges at the Registration Desk. **Badges will not be mailed.** Please pick up your badges at least 30 minutes before the start of your session.

## Fees

**Water Executive Forum:** \$520 for 2-day program (\$300 for single day).

## Tax Deduction

Conference expenses may be tax deductible. U.S. Treasury Regulation 1.1625 permits an income tax deduction for educational expenses (registration fees, cost of travel, meals, lodging), undertaken to maintain or improve skills required in one's employment, or to meet express requirements of an employer.

## Photo Release

We occasionally use photographs to show participants in our promotional material. By virtue of your attendance, you automatically agree to usage of your likeness in such material.

## Cancellations/refunds

Refunds cannot be granted on cancellations received after **April 8, 2011**. Cancellations prior to this date are allowed without penalty. There will be a \$30 processing fee on all refunds. If you need to change your plans to attend, you may transfer your registration to another person at any time without incurring any penalty.

