

ISPE Boston Area Chapter Presents:
From Water 101 to Ozone Sanitization

Tuesday, May 20, 2008

The Royal Sonesta Cambridge

5 Cambridge Parkway, Cambridge, Massachusetts 02142



**Boston Area
Chapter**

ENGINEERING
PHARMACEUTICAL
INNOVATION

From proven technology to new and unique approaches to sanitization, the audience will hear from two leading experts in the field of pure water!

PRESENTATION: Best Practice for the Use of Ozone in Life Science Applications

SPEAKER: Bob Livingston, President, Arion Water, Inc.

Bob Livingston is the President of Arion Water, Inc., a 23-year-old consulting engineering and analytical testing laboratory addressing all aspects of high purity water for pharmaceutical, semiconductor and related industries. Arion Water's high purity water services include system design, analytical testing, operation, application, specifications and validation. Bob has worked for environmental testing laboratories, water system manufacturers and equipment service providers. Arion Water, Inc. has developed novel approaches and designs for high purity water systems that are widely deployed in the biopharmaceutical, semiconductor and technical manufacturing industries.

Bob has spoken on numerous occasions for ISPE, ASQ the ASPE, and taught the course on Pharmaceutical Water System Design for the PDA. He lectures often for Barnett, IVT and IPA on all aspects of High Purity Water production and use.

PRESENTATION: Water Purification 101: From Tap to Pure

SPEAKER: Brian Hagopian, Vice President of Research and Development, MarCor Purification

Brian Hagopian has been involved in the water purification, pH neutralization, and other water related areas since 1981. Brian is the founder, president, and technical director of Fluid Solutions, based in Lowell, Mass. In 2006, Fluid Solutions joined MarCor Purification and he was promoted to Vice President of Research and Development. The company specializes in the design, fabrication, installation, and preventative maintenance of high purity water systems, pH neutralization systems, RO reject collection systems, storm water collection systems, gray water systems, and related technologies.

Brian holds a degree in chemistry from Colgate University. He has been an active volunteer, both professionally and personally. He maintains active affiliations with local chapters of the Parenteral Drug Association, the Association of Facilities Engineers, the American Society of Plumbing Engineers, and ISPE, where he has been a member since the chapter was formed in the Boston area.

Brian has served as a volunteer on the ISPE product show committee since 1998 and has also served on the ISPE Boston Area Board of Directors from 1999-2001. Brian has been the chairperson of the ISPE product show committee since 2006 and was part of the group responsible for bringing the product show to Gillette stadium, where it has broken attendance records and become a model of success for other chapters to follow.

Brian is a strong proponent of education, and was a founding member and director of the Murdoch Middle School, a public charter school made possible by the Mass. Education Reform Act of the 1990's. This school was established to improve the education of middle school aged children and has been a model for other charter schools in the state. It continues to be successful over 10 years since its creation.

Brian has been published in the field and regularly presents technical programs to local professional societies and client companies. Brian will be speaking today on the basics of water purification.

MEETING MANAGER:

Mark Sitcoske, High Purity New England

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PROGRAM SCHEDULE:

Registration: 5:15 PM – 5:30 PM
Reception: 5:30 PM – 6:30 PM
Presentations: 6:30 PM – 8:30 PM

*A networking reception, with hors d'oeuvres, will be held **BEFORE** the presentations.*

REGISTRATION:

PRICE:	Registration by 5/13/2008	After 5/13/2008
<input type="checkbox"/> Members	\$50	\$60
<input type="checkbox"/> Non-members	\$95	\$115
<input type="checkbox"/> Students	\$5	\$10
<input type="checkbox"/> New Member Special**	\$30 **	

** \$30 meeting fee when you sign up for ISPE Membership (\$200) for a total of \$230
A completed membership application must be submitted with your New Member Special registration.

**** PLEASE NOTE: CANCELLATIONS RECEIVED AFTER May 13, 2008 ARE SUBJECT TO BILLING ****

Name: _____ Title: _____

Company: _____ Member #: _____

Address: _____ City: _____ State: _____ Zip: _____

Tel: _____ Fax: _____ Email: _____

PAY BY CREDIT CARD: Type: Visa MasterCard AMEX

Card #: _____ Expiration Date: _____

Cardholder Name (as it appears on card): _____

Cardholder Signature: _____

Payment may be mailed to: ISPE, Boston Area Chapter, 411 Waverley Oaks Rd., Ste 311B, Waltham, MA 02452

Telephone: 781-647-ISPE (4773) ☒ Fax: 781-647-7222 ☒ Email: ispe@camihq.com

Directions to the Royal Sonesta Hotel, Cambridge:
<http://www.sonesta.com/Boston/index.cfm?fa=GettingHere.home>

Parking is available at the Sonesta Hotel for \$18.00
or at the Cambridge Galleria Mall (across the street) for \$3.00 to \$7.00