

2016 NWRI Clarke Prize Award Ceremony and Conference

Research and Innovations in Urban Water Sustainability

November 3-4, 2016

Newport Beach Marriott Resort and Spa
900 Newport Center Drive, Newport Beach, CA 92660

Preliminary Program

Thursday, November 3, 2016

Twenty-Third Annual Clarke Prize Award Ceremony and Dinner

5:30 pm **Clarke Prize Award Ceremony Reception**

6:30 pm **Clarke Prize Dinner**

8:00 pm **Clarke Prize Award Ceremony Honoring Mark D. Sobsey**

Greetings and Welcome	John Withers <i>Board of Directors National Water Research Institute (Fountain Valley, CA)</i>
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Introduction to Mark D. Sobsey	Philip C. Singer, Ph.D. <i>University of North Carolina (Chapel Hill, NC)</i>
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Presentation of 2016 Clarke Prize	James Irvine Swinden <i>Joan Irvine Smith and Athalie R. Clarke Foundation (Irvine, CA)</i>
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2016 Clarke Prize Lecture on “Innovations to Achieve Microbiologically Safe and Sustainable Water by Treatment Processes and Detection Methods”	Mark D. Sobsey, Ph.D. <i>University of North Carolina (Chapel Hill, NC)</i>
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10:00 pm **Closing Remarks**

Friday, November 4, 2016

Annual NWRI Clarke Prize Conference

7:30 am	Registration Opens	
8:30 am	Conference Begins	
8:30 am	Welcome	Jeffrey J. Mosher <i>Water Environment and Research Foundation</i> (Alexandria, VA)
8:45 am	Acknowledgement of 2016 Clarke Prize Recipient and Clarke Lecture	Mark D. Sobsey, Ph.D. <i>University of North Carolina</i> (Chapel Hill, NC)
9:00 am - 10:15 am	Session 1: Emerging Issues in Urban Water Quality <i>Moderated by George Tchobanoglous, Ph.D., P.E., University of California, Davis (Davis, CA)</i>	
9:00 am	<i>Legionella</i> and the Revolution in Water Distribution Microbiology	Joan B. Rose, Ph.D. <i>Michigan State University</i> (East Lansing, MI)
9:30 am	Antibiotics ... Resistance is Futile! Presence, Impact, and Treatment and Removal of Antibiotic Resistant Bacteria in Water	Walter Jakubowski, M.S. <i>WaltJay Consulting</i> (Spokane, WA) Ryan Reinke, Ph.D. <i>Los Angeles County Sanitation Districts</i> (Los Angeles, CA)
10:15 am – 10:30 am	Break	
10:30 am - 12:00 am	Session 2: Addressing the Challenges of Urban Water Sustainability <i>Moderated by Amy Childress, Ph.D., University of Southern California (Los Angeles, CA)</i>	
10:30 am	The Fifth Water Revolution	David Sedlak, Ph.D. <i>University of California, Berkeley</i> (Berkeley, CA)
11:00 am	Nanotechnology Enabled Water Treatment: A Vision to Enable Decentralized Water Treatment and Reuse	Pedro J.J. Alvarez, Ph.D., P.E. <i>Rice University</i> (Houston, TX)
11:30 am	Public Health Guidance on Implementing Decentralized Non-Potable Water Systems	Sybil Sharvelle, Ph.D. <i>Colorado State University</i> (Fort Collins, CO)
12:00 pm – 1:00 pm	Lunch	
1:00 pm- 1:30 pm	Keynote Presentation	
	Keynote Speaker Introduction	Jeffrey J. Mosher <i>Water Environment & Research Foundation</i> (Alexandria, VA)

1:00 pm	USEPA Drinking Water Research: 2017 and Beyond	Christopher A. Impellitteri, Ph.D. <i>National Risk Management Research Laboratory U.S. Environmental Protection Agency (Cincinnati, OH)</i>
1:30 pm- 3:00 pm	Session 3: New Methods to Assess Water Quality <i>Moderated by Michael Wehner, Orange County Water District (Fountain Valley, CA)</i>	
1:30 pm	Advances in Methods to Assess Microbial Water Quality	Channah Rock, Ph.D. <i>University of Arizona (Maricopa, AZ)</i>
2:00 pm	Water Quality Assessment for Direct Potable Reuse	Rhodes Trussell, Ph.D. <i>Trussell Technologies, Inc. (Pasadena, CA)</i>
2:30 pm	Application of Bioassays for Monitoring Chemicals in Water from a Human Health Standpoint	Daniel Schlenk, Ph.D. <i>University of California, Riverside (Riverside, CA)</i>
3:00 pm	Wrap-Up	
3:15 pm	Adjourn Conference	