



Disinfection & Public Health



Pioneer Award



William W. Edgar Pioneer Award

In 2000, the Pioneer Award was established by William W. Edgar of the Water Environment Federation's Disinfection & Public Health Committee. The award recognizes researchers and developers of disinfection practices in the water and wastewater treatment sector. Since its inception, the award has been given biennially to leaders in the field at WEF disinfection specialty conferences.

Individuals have been recognized for accomplishments that include: patents; unique modeling efforts; improvements to disinfection of wastewater effluent and drinking water; emerging technologies that address today's microorganisms; and state-of-the-art techniques to advance disease control in waters used for reclamation.

In honor of the award's founder, The WEF Disinfection & Public Health Committee named the award the William W. Edgar Pioneer Award. During WEF disinfection specialty conferences, the William W. Edgar Pioneer Award is presented to individuals involved in emerging disinfection research, biosolids technologies in disease control, and process modeling to enhance the disinfection practices of today.

During the awards presentation at Disinfection & Public Health 2013, the awardees will make a short presentation of their works and enlighten conference attendees with thought provoking ideas that enhance their personal and professional development. This conference has become a vital event where attendees can learn about disinfection that meets today's challenges in water, wastewater, and reclamation treatment and those in years to come.

2013 Pioneer Award Winners

Wayne Huebner



Wayne Huebner, who retired in July 2010, has 35 years of experience in water and wastewater treatment. He is an internationally known expert in chlorination feed and application. Wayne has presented and published over 25 papers on disinfection and chemical feed and holds two dechlorination analyzer patents. He is a 20-year member of the Water Environment Federation and American Water Works Association disinfection committees in addition to participating on numerous WWEMA, AWWA, WEA and the Chlorine Institute committees. Wayne holds a BS and MS in Chemistry from Montclair State University.

In his professional career, Wayne has served as Global Product Manager for Siemens CFG as well as Product Marketing Director, VP Technical Services, and three years as General Manger of Capital Controls, a division of Severn Trent Services. For 15 years, Wayne was the Technical Director for Wallace & Tiernan, covering a broad range of product, market and customer support activities in the core technologies of disinfection, related applications and technical support.

John Donovan



Mr. Donovan is a Senior Vice President of CDM Smith located in the Cambridge, Mass. office. He has 40 years of experience in a wide variety of environmental projects. He serves as a company-wide resource on residuals and biosolids technologies. Mr. Donovan is active with WEF, having served on the Residuals and Biosolids Committee for over 15 years. He is the author of more than 50 publications and presentations on biosolids topics. For WEF and WERF he was a principal author for reports on biosolids stabilization, emerging technologies for biosolids management, and "Charting the Future of Biosolids Management." Some of his current assignments are the DC Water Anaerobic Digester project, Massachusetts Water Resources Authority residuals technology assessment, and the design/build of a large scale facility in Florida that will produce a biosolids-amended fertilizer product.

Karl Linden



Karl G. Linden, Ph.D., is the Helen and Huber Croft Professor of Environmental Engineering at The University of Colorado Boulder. He studied at Cornell University (BS) and the University of California at Davis (MS, PhD). He teaches classes on Fundamentals of Environmental Engineering, Environmental Engineering Design, UV Processes in Environmental Systems, and Water Sanitation and Hygiene.

Dr. Linden's research investigates advanced and innovative UV systems; the efficacy of UV and ozone disinfection for inactivation of pathogens; and the use of UV and advanced oxidation processes for the degradation of organic and other emerging contaminants in water and wastewater. He has authored over 100 peer-reviewed publications, given over 100 invited lectures, and guided over \$10M in research expenditures. Dr. Linden is an associate editor of ASCE Journal of Environmental Engineering and the Journal of the American Water Works Association. He serves as Trustee of the Water Science and Research Division of the American Water Works Association and is a founding board member and President-elect of the International Ultraviolet Association (IUVA).

Previous Pioneer Award Winners

Charles Haas
Sidney Ellner
Domenico Grasso

Karl Scheible
George Tchobanoglous
George Clifford White

2000

Elliott Whitby
Gerald Connell

2002

James Bess
Ernest (Chip) Blatchley
Joseph B. Farrell

2005

J. Donald Johnson
Robert Qualls
Eliot Epstien

2007

2009

Mark Sobsey
James Smith
Robert Quick

Philip Singer
Albert Venosa

2011

Jeannie Darby
Robert Bastian
John Novak
Benito Marinas

Kara Nelson
David Sabatini
William Edgar*
Robert Reimers*

2013

John Donovan
Wayne B. Huebner
Karl G. Linden

* Lifetime Achievement Award