

National Water Research Institute

June 2007 E-Newsletter

NWRI Hosts EPA Advanced Asset Management Training Workshop

NWRI has teamed with the U.S. Environmental Protection Agency (EPA) to sponsor a 2-day Advanced Asset Management Training Workshop for water and wastewater utility managers on September 25-26, 2007, at the Holiday Inn Orange County Airport in Santa Ana, California.

Sound asset management allows public sector agencies to manage assets efficiently by addressing long-range planning, life-cycle costing, proactive operations and maintenance, and capital replacement plans based on cost-benefit analyses. A central goal of asset management is to minimize the total cost of owning and operating public sector utility facilities while delivering optimal service levels. It is successfully practiced in urban centers to improve operational, environmental, and financial performance.

The workshop is designed to improve asset management assessment skills, raise awareness of the sustainable management of assets among community and decision makers, and address core questions involved in asset management techniques for the purpose of better acquisition, operations, maintenance, and renewal and replacement decisions.

For more information, including registration details, please visit NWRI's website at www.nwri-usa.org/AssetManagement.

Clarke Prize Lecture to Be Held July 12 in Huntington Beach

This year's Annual Clarke Prize Lecture will be held at the Hilton Waterfront Beach Resort in Huntington Beach, California, on July 12, 2007, at 12:00 noon. The 2007 recipient of the Clarke Prize, environmental engineer James L. Barnard, Ph.D., P.E., of Black & Veatch Corporation, will speak on "Elimination of Eutrophication by Resource Recovery: A Pressing Need for the Twenty-First Century."

The Clarke Prize is awarded to an active researcher and/or practitioner for demonstrating excellence through continued contributions to research concerning the protection, maintenance, treatment, and reclamation of water resources. Barnard's revolutionary biological nutrient removal (BNR) process is more economically and environmentally friendly than traditional chemical treatments. Barnard has adapted the design for developing countries, as well as to the ecological conditions of various locations that use BNR systems.

If you are interested in attending the Lecture, which includes lunch, please contact Tammy Russo [by email](mailto:trusso@nwri-usa.org) or at (714) 378-3278. The 14th Annual Clarke Prize Award Ceremony will be held later in the day.

For more information about the Clarke Prize, please visit www.nwri-usa.org/ClarkePrize.

Microfiltration IV Proceedings Now Available for Download

Abstracts from NWRI's 2006 Microfiltration IV Conference are now available for download from NWRI's website at www.nwri-usa.org/Microfiltration. One set of abstracts highlights advances in microfiltration (88 pgs.), while the other set of abstracts focuses on the use of membrane bioreactors (48 pgs.).

Held in March 2006, Microfiltration IV highlighted low-pressure membrane applications to water and wastewater treatment and provided updates on the status of the technology and critical issues experienced by end-users.

Presenters at the conference ranged from real-world operators to pioneers who addressed theoretical and practical issues of membrane filtration systems. A special feature of Microfiltration IV was the 1-day short course on membrane bioreactors, which uses microfiltration or ultrafiltration to enhance wastewater and reclaimed water treatment processes.

NWRI Corporate Associates Program Supports Graduate Research

Join the NWRI Corporate Associates Program and help support graduate students conducting water supply and technology research.

Corporate Associates are consulting firms, manufacturers, vendors, and other private sector companies interested in partnering with NWRI to support water-science research and education. Membership fees are used exclusively to fund the NWRI Fellowship Program, which supports graduate students researching issues in water supply and technology.

Benefits of Corporate Associates membership include promotion of sponsorship of the NWRI Fellowship Program on NWRI's websites and in flyers, newsletters, and other materials. NWRI Corporate Associates are also highlighted as sponsors of NWRI's annual Graduate Fellowship Research Conference, which will be held in Washington, D.C., in April 2008. In addition, Corporate Associates receive advanced information on NWRI's research program and can partner with NWRI on projects and other initiatives.

A brochure about the NWRI Corporate Associates Program is available for download at www.nwri-usa.org/CorpAssociates. For more information, or if you are interested in joining the NWRI Corporate Associates Program, please contact NWRI's Executive Director, Jeff Mosher, at (714) 378-3278 or [by email](#).

2007 AMTA Conference Workshops: Operator Training and Concentrate Management

The Southwest Membrane Operator Association (SWMOA), an affiliate of the American Membrane Technology Association (AMTA), will be holding a workshop at the 2007 AMTA Conference to be held at the Rio All-Suites Hotel and Casino in Las Vegas, Nevada, on July 23–26, 2007.

The *SWMOA Workshop on Membrane Plant Operator Training* will be moderated by SWMOA President Mehul Patel on July 23, 2007, from 9:00 am to 4:00 pm. Topics will include the basics of membranes, pretreatment and fouling, and membrane cleaning methods and concentrate disposal, as well as a number of hands-on break-out sessions covering such issues as membrane vessel profiling and cartridge filters for pretreatment.

NWRI's Executive Director Jeff Mosher will be moderating the *Inland Concentrate Management Workshop* on the same day from 9:00 am to 4:00 pm. Concentrate treatment technologies, salt separation, and utility case studies are just a few of the topics to be covered at the workshop.

Registration information and a brochure on the conference are available at www.amtaorg.com.