MON JUNE 11

MON01 - Aging Infrastructure Management – Hydraulic Analysis of Criticality and Component Failures in Water Distribution Systems
Half-Day Workshop
**Presenters:** Sasa Tomic, Eric Scherch
9:00 a.m. - 12:00 p.m. | Mandalay Bay J

MON03 - Condition Assessment of Water Mains
Full-Day Workshop. HDR will demonstrate equipment and techniques used in AWWA Manual M77 Chapter 5 (corrosivity surveys) and Chapter 6 (spot assessments).
**Presenter:** Dan Ellison
**Demonstration:** Jeffry Giddings
9:00 a.m. - 4:00 p.m. | Mandalay Bay L

TUE JUNE 12

TUE15 - Innovative Reuse Projects and How They are Efficiently Overcoming Obstacles
**Is DPR the Answer?**
**Presenter:** Steven Friedman
**Co-Author:** Oscar Khoury
2:00 p.m. | Breakers AB

TUE10 - Creative Approaches to Developing and Implementing Capital Programs and Projects
**Dueling Project Delivery Methods: Considerations in Decision Making**
**Presenter:** Phillippe Daniel
**Co-Authors:** Katherine Oven, Charlene Sun
2:30 p.m. | Lagoon A

UVWL - Understanding the Value of Women Leaders (Not Just for Women!)
**Panel Discussion**
**Presenters:** JaNell Cook, Angel Duncan, Carla Reid, Catrice Jones
3:00 p.m. - 4:30 p.m. | Banyan B

WED JUNE 13

WED13 - Building Utility Resilience and Cybersecurity
**Nashville Metro Water’s Disinfection Conversion Initiative**
**Presenter:** Brent Tippey
**Co-Authors:** Michael Bernard, Glen Doss
9:30 a.m. | Lagoon EF
WED08 - Water Policy Changes Re-Shaping Water Utility Business Model
Panel Discussion: Per- and Poly-fluoroalkyl Substances – Responding to Health Advisories
Presenters: Peter D’Adamo, Lisa Daniels, Miranda Brannon
10:00 a.m. | Mandalay Bay Ballroom I

WED15 - Unraveling Watershed Complications
Strategies for Addressing Emerging Per- and Poly-Fluoroalkyl Substances (PFAS)
Presenter: Peter D’Adamo
Co-Author: Samantha Black
10:30 a.m. | Breakers AB

WED17 - Collaborative and Regional Planning
Tacoma Water Integrated Resource Plan and Model
Presenter: Steve Thurin
11:00 a.m. | Lagoon CD

WED40 - Joker’s Wild: New Frontier in Groundwater Treatment
Pilot-Scale Demonstration of Combined Ion Exchange and Alternative Regeneration for Softening and Contaminant Removal
Presenter: Jerrine Foster
Co-Author: Treavor Boyer
1:30 p.m. | Breakers AB
Progress in the Development of a Fiber-Based Ion Exchange Material for the Treatment of Arsenic in Drinking Water
Presenter: Philip Brandhuber
Co-Author: Jeff Vercellone
4:00 p.m. | Breakers AB

PST02 - Poster Sessions
1:30 - 4:30 p.m. | Exhibit Hall - Booth 26067
Application of Indirect Condition Assessment Techniques for Electrically Discontinues Buried Water/Wastewater Pipeline: A Case Study
Presenter: Mersedeh Akhoondan
Co-Authors: Graham Bell, Brien Clark
The Proof is in the Pudding: Savings Confirmed in Initial Multibore Membrane Operating Data
Presenter: Karen Pappas
Co-Author: Francois Rodigari
How to Squeeze More Capacity Out of an Existing Water Plant to Keep Up with Demands
Presenter: Richard Stratton
Co-Author: Aaron Sullivan
Not So High and Dry in So Cal
Speaker: Jennifer Duffy
Co-Authors: Amy Omae, Masoud Hosseyni, Fiona Sanchez
Testing the Waters – Lubbock’s Experience with Brackish Groundwater
Presenter: Paula Jo Lemonds
Co-Authors: Larry F. Land, Aubrey A. Spear
WED41 - Illustrations of Pilot and Demonstration Testing Helping to Support Reuse Projects
Evaluating Biofiltration for Potable Reuse Applications
Presenter: Samantha Black
Co-Authors: Christina Alito, Peter D’Adamo, Chance Lauderdale
2:30 p.m. | Breakers CD

WED36 - Recent Developments Resulting from Studies on the TRWD/DWU IPL Large Diameter Pipe Project
Research of Polyurethane Coatings
Presenter: Jeffry Giddings
Co-Authors: Ed Weaver, Graham Bell, David Tordonato
2:30 p.m. | Lagoon CD

Cathodic Protection
Presenter: Graham Bell
Co-Authors: Jeffry Giddings, Jessica Torrey
3:00 p.m. | Lagoon CD

WED34 - Pipeline Condition Assessment
Water Research Foundation Project #4618: Status and Application of Cathodic Protection in the Water Utility Industry
Presenter: Graham Bell
Co-Author: Mersedeh Akhoondan
4:00 p.m. | Mandalay Bay Ballroom J

THU JUNE 14

THU08 - Assessment & Implementation of Alternative Project Delivery Methods to Provide Best Value
Sharing Aqua Ohio’s Most Valuable Lessons Learned While Implementing Our First Integrated Delivery Project
Presenters: Richard Atouliskian, Peter Kusky, Jason Lemire, Lee Tourek
8:30 a.m. | Lagoon CD

THU03 - Corrosion Control and Nitrification Prevention in Small Distribution Systems
Addressing Distribution System Water Quality Challenges Arising from Diversified Water Supplies
Presenter: Peter D’Adamo
9:00 a.m. | Mandalay Bay Ballroom B

THU10 - Unexpected Contamination Incidents
How Clean is Clean? Managing Treatment Chemical Hexavalent Chromium Contamination at Denver Water’s Planned Northwater Plant
Presenter: Philip Brandhuber
Co-Authors: Jennifer Gelmini, Nathan MacArthur
9:30 a.m. | Lagoon EF

THU30 - Preparing for the Future - Rehabilitation, Renovation and Expansion of our Aging Water Treatment Facilities
KY City of Firsts Finishes a First Class Water Plant
Presenter: Brent Tippey
Co-Author: Earl Coffey
2:00 p.m. | Mandalay Bay Ballroom B
THU34 - The Revolution of Subsurface Water Storage
Moderated Panel Discussion, Small Roundtables with Each Panelist, and Panelists Will Present Key Points From Each Roundtable Discussion
Presenter: John Koreny
2:00 p.m. - 3:30 p.m | Breakers AB

THU37 - Biofiltration Performance
What’s Growing in My Biofilter? Practical Uses of Microbial Community Data for Evaluating Biofilter Performance
Presenter: Christina Alito
Co-Authors: Chance Lauderdale, Jen Hooper
3:00 p.m. | Mandalay Bay Ballroom K

THU29 - Quantifying Benefits and Using Business Case Analysis for Optimized Spending
Renovating the Great, Historic and Venerable 8th Avenue Reservoir
Presenter: John Barnett
Co-Author: Brent Tippey
3:30 p.m. | Mandalay Bay Ballroom J

HDR Around the Conference
WE HOPE TO SEE YOU

Understanding the Value of Women Leaders
(Not Just for Women!)
Location: Banyan B
We are proud sponsors for this special panel and networking event. Learn from trailblazers in the industry as panelists share lessons learned, joyful and difficult moments as well as provide career advice.
Tuesday, June 12, from 3:00 p.m. - 4:30 p.m.

Water Industry Luncheon
Location: Mandalay Bay Ballroom G
We'll be presenting the 7th annual HDR/Henry “Bud” Benjes Scholarship to Haley White.
Wednesday, June 13, from 12:00 p.m. - 1:15 p.m.

Career Center Job & Education Fair
Location: Exhibit Hall - Booth 22144
Swing by our recruiting table. We'd love to talk with you about our goal to improve ourselves as well as the world around us.
Wednesday, June 13, from 2:00 p.m. - 5:30 p.m.

Future Leaders Reception
Location: Palm Foyer
We are excited to meet young professionals who are making a difference.
Wednesday, June 13, from 6:00 p.m. - 7:30 p.m.