



American
Water Works
Association

ACE¹⁸

ANNUAL CONFERENCE & EXPOSITION

Co-hosted by



American Water Works Association
California-Nevada Section

Innovating
the FUTURE of
WATER

JUNE 11-14 | LAS VEGAS
MANDALAY BAY CONVENTION CENTER
AWWA.ORG/ACE18

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SCHEDULE

While AWWA has taken care to ensure the qualifications of speakers, presenters and moderators at this conference, the opinions, comments and other views made by participants in his/her presentation(s) are not necessarily those of AWWA nor its officers, directors, planning committee or staff

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Monday, June 11, 2018

MON01 - AGING INFRASTRUCTURE MANAGEMENT – HYDRAULIC ANALYSIS OF CRITICALITY AND COMPONENT FAILURES IN WATER DISTRIBUTION SYSTEMS

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 09:00 AM - 12:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON02 - UNDERSTANDING AND USING THE ANSI/AWWA G520, WASTEWATER COLLECTION SYSTEM OPERATIONS AND MANAGEMENT STANDARD

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 09:00 AM - 12:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON03 - CONDITION ASSESSMENT OF WATER MAINS

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 09:00 AM - 04:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON04 - AWWA MANUAL M5—WATER UTILITY MANAGEMENT: WHAT YOU DON'T KNOW THAT YOU PROBABLY SHOULD

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 09:00 AM - 04:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON05 - WATER MAIN REHABILITATION & UTILITY REPRESENTATION CASE STUDIES

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 09:00 AM - 04:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON02-05 - TROUBLESHOOTING WASTEWATER COLLECTION SYSTEM ISSUES USING THE AWWA G520 STANDARD

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track: Workshop	Time: 11:15 AM - 12:00 PM	OVERVIEW ▶
Moderator(s):		

CRT1 - INTRODUCTION TO WATER AND SEWER OPERATING ENVIRONMENTS

Event Type:	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 01:00 PM - 05:00 PM	OVERVIEW ▶
Moderator(s):		

MON06 - BEYOND THE SPEC BOOK: LEARN WHAT, HOW & WHEN TO USE VARIOUS EQUIPMENT IN THE WATER TREATMENT PROCESS

Event Type: Workshop	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 01:00 PM - 04:00 PM	OVERVIEW ▶
Moderator(s):	Location:	

MON07 - IMPLEMENTATION OF AWWA UTILITY MANAGEMENT STANDARDS TO OPTIMIZE UTILITY OPERATIONS: ANSI/AWWA G100, WATER TREATMENT PLANT; ANSI/AWWA G200, DISTRIBUTION

Event Type:	Day: Monday, June 11, 2018	SESSION DETAILS ▶
Track:	Time: 01:00 PM - 04:00 PM	OVERVIEW ▶
Moderator(s):		

TUE11 - UTILITY COMMUNICATIONS TECHNOLOGY OPTIONS -- WHAT ARE THE IMPORTANT CONSIDERATIONS FOR A SMART WATER / SMART CITY INFRASTRUCTURE?

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s): Edward Tirakian

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE12 - PUTTING PREPAREDNESS TO THE TEST

Event Type: Professional Program
Track: Emergency, Resilience and Cybersecurity
Moderator(s): John Organek

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE13 - OPTIMIZING WATER EFFICIENCY THROUGH PLANNING AND RESEARCH

Event Type: Professional Program
Track: Water Use Efficiency Practices
Moderator(s):

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE15 - INNOVATIVE REUSE PROJECTS AND HOW THEY ARE EFFICIENTLY OVERCOMING OBSTACLES

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Bruce Chalmers

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 02:30 PM

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TUE16 - MAKING DECISIONS FOR WATER RESOURCE PLANNING

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Janine Witko

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE17 - PFAS: OCCURRENCE AND TREATMENT

Event Type: Professional Program
Track: Water Quality Challenges
Moderator(s): Detlef Knappe

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE18 - DISINFECTION AND DBPS

Event Type: Professional Program
Track: Water Quality Challenges
Moderator(s): Meg Roberts

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE19 - INLAND DESALINATION AND CONCENTRATE MANAGEMENT - OVERVIEW OF UPCOMING M69 MANUAL OF PRACTICE

Event Type: Professional Program
Track: Advances in Water Treatment
Moderator(s): Greg Weller

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE20 - USING TOOLS AT YOUR DESK TO START PLANNING DISTRIBUTION SYSTEM IMPROVEMENTS

Event Type: Professional Program
Track: Distribution System Management & Operations
Moderator(s):

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE21 - THE PRECISION OF WATER USE: HOW TO CONTROL, MEASURE, AND CHANGE

Event Type: Professional Program
Track: Distribution System Management & Operations
Moderator(s): Jonathan Gunn

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 05:00 PM

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TUE22 - WASTEWATER MANAGEMENT FROM DESIGN TO DISCHARGE

Event Type: Professional Program
Track: Wastewater and Stormwater Management
Moderator(s):

Day: Tuesday, June 12, 2018
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TUE23 - WORKPLACE SAFETY

Event Type: Professional Program
Track: Operator Forum
Moderator(s):

Day: Tuesday, June 12, 2018
Time: 02:00 PM - 03:30 PM

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WED07 - BUNDLING, PARTNERSHIPS AND P3S: INNOVATING TO HELP SMALL TO MEDIUM SIZE SYSTEMS

Event Type: Professional Program
Track: Financing, Rates and Affordability
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 10:00 AM

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WED08 - WATER POLICY CHANGES RE-SHAPING WATER UTILITY BUSINESS MODEL

Event Type: Professional Program
Track: Water Policy & Regulatory Actions
Moderator(s): Nancy Quirk

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED09 - INNOVATION IN ASSET MANAGEMENT

Event Type: Professional Program
Track: Asset Management
Moderator(s): Annie Vanrenterghem Raven

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED10 - INNOVATIONS IN CONSTRUCTION METHODS AND DELIVERY

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s): Paul Thom

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED11 - VOICE OF THE CUSTOMER: LISTENING TO MEDIUM UTILITIES

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s): Booky Oren

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED12 - YOUR CHOICE MATTERS: SMART WATER SOLUTIONS TO REDUCE NON-REVENUE WATER

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED13 - BUILDING UTILITY RESILIENCE AND CYBERSECURITY

Event Type: Professional Program
Track: Emergency, Resilience and Cybersecurity
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED14 - EXPANDING THE REACH OF DEMAND SIDE EFFICIENCY

Event Type: Professional Program
Track: Water Use Efficiency Practices
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED15 - UNRAVELING WATERSHED COMPLICATIONS

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED16 - A REGULATORY LOOK AT DPR AND PATHOGEN CREDITS

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED17 - COLLABORATIVE AND REGIONAL PLANNING

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Laurens Van der Tak

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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WED18 - THE RESULTS ARE IN! – AWWA'S DISINFECTION SURVEY 2017

Event Type: Professional Program
Track: Water Quality Challenges
Moderator(s): Scott Alpert

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 10:00 AM

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WED19 - TREATMENT FOR COMPOUNDS REGULATED IN CALIFORNIA

Event Type: Professional Program
Track: Water Quality Challenges

Day: Wednesday, June 13, 2018
Time: 08:30 AM - 11:30 AM

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Event Type: Professional Program
Track: Water Utility Management & Leadership
Moderator(s):

Day: Wednesday, June 13, 2018
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WED29 - INNOVATION APPROACHES TO OVERCOMING WATER MANAGEMENT CHALLENGES (PART 2)

Event Type: Professional Program
Track: Water Utility Management & Leadership
Moderator(s):

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED31 - SMALL WATER SYSTEMS CHALLENGES

Event Type: Professional Program
Track: Small Systems Management & Operations
Moderator(s): Daniel Dawson

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED32 - THE NEXT GENERATION OF WATER FINANCING: THE GROWTH AND IMPACTS OF INNOVATIVE AND GREEN FINANCING FOR WATER UTILITIES AND RATE PAYERS

Event Type: Professional Program
Track: Financing, Rates and Affordability
Moderator(s): George Hawkins

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED33 - CONSIDERATIONS FOR SOUND RATE SETTING

Event Type: Professional Program
Track: Financing, Rates and Affordability
Moderator(s): Rick Giardina

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED34 - PIPELINE CONDITION ASSESSMENT

Event Type: Professional Program
Track: Asset Management
Moderator(s): Celine Hyer

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED35 - INNOVATION INITIATIVE: STATE OF THE INNOVATION STATE

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s):

Day: Wednesday, June 13, 2018
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WED36 - LARGE DIAMETER STEEL PIPE DESIGN & OPERATIONAL ISSUES, EVOLVING PRACTICES & CONCEPTS

Event Type: Professional Program
Track: Infrastructure Design, Mgmt & Project Delivery
Moderator(s): Frank Blaha

Day: Wednesday, June 13, 2018
Time: 01:30 PM - 04:30 PM

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WED37 - NAVIGATING A DIGITAL UTILITY TRANSFORMATION - EMBRACING A SMART WATER FUTURE

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s):

Day: Wednesday, June 13, 2018
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WED38 - PLANNING AND RESPONSE TO DISASTERS - SYSTEM MODELING TO CORPORATE POLICY

Event Type: Professional Program
Track: Emergency, Resilience and Cybersecurity
Moderator(s):

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WED39 - LESSONS LEARNED IN OUTDOOR EFFICIENCY

Event Type: Professional Program
Track: Water Use Efficiency Practices
Moderator(s):

Day: Wednesday, June 13, 2018
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WED40 - JOKER'S WILD: NEW FRONTIER IN GROUNDWATER TREATMENT

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s):

Day: Wednesday, June 13, 2018
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WED41 - ILLUSTRATIONS OF PILOT AND DEMONSTRATION TESTING HELPING TO SUPPORT REUSE PROJECTS

Event Type: Professional Program
Track: Stakeholder Engagement & Communications
Moderator(s): Patricia Tennyson

Day: Thursday, June 14, 2018
Time: 08:30 AM - 11:00 PM

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THU03 - CORROSION CONTROL AND NITRIFICATION PREVENTION IN SMALL DISTRIBUTION SYSTEMS

Event Type: Professional Program
Track: Small Systems Management & Operations
Moderator(s):

Day: Thursday, June 14, 2018
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THU04 - CECORPS®-LEVERAGING PARTNERSHIPS TO GET THE JOB DONE!

Event Type: Professional Program
Track: Small Systems Management & Operations
Moderator(s): Clare Haas

Day: Thursday, June 14, 2018
Time: 08:30 AM - 11:00 AM

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THU05 - WALL STREET DEMYSTIFIED

Event Type: Professional Program
Track: Financing, Rates and Affordability
Moderator(s):

Day: Thursday, June 14, 2018
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THU06 - DRY WEATHER - TRIGGERING SHARING AGREEMENTS ON THE COLORADO RIVER

Event Type: Professional Program
Track: Water Policy & Regulatory Actions
Moderator(s): James Eklund

Day: Thursday, June 14, 2018
Time: 08:30 AM - 11:00 AM

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THU07 - USE OF RISK IN PIPELINE RENEWAL PLANNING

Event Type: Professional Program
Track: Asset Management
Moderator(s): Yakir Hasit

Day: Thursday, June 14, 2018
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THU08 - ASSESSMENT & IMPLEMENTATION OF ALTERNATIVE PROJECT DELIVERY METHODS TO PROVIDE BEST VALUE

Event Type: Professional Program
Track: Infrastructure Design, Mgmt & Project Delivery
Moderator(s): Timotheus Hampton

Day: Thursday, June 14, 2018
Time: 08:30 AM - 11:00 AM

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THU09 - LEADING WATER UTILITY INNOVATION

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s): John Albert

Day: Thursday, June 14, 2018
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THU10 - UNEXPECTED CONTAMINATION INCIDENTS

Event Type: Professional Program
Track: Emergency, Resilience and Cybersecurity
Moderator(s):

Day: Thursday, June 14, 2018
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THU12 - LEVERAGING TECHNOLOGY TO IMPROVE CONSERVATION PROGRAMS

Event Type: Professional Program
Track: Water Use Efficiency Practices
Moderator(s):

Day: Thursday, June 14, 2018
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THU13 - MODELING GROUNDWATER AND WATER DEMAND

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Susan Roberts

Day: Thursday, June 14, 2018
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THU14 - REUSE IN CALIFORNIA

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Sunny Wang

Day: Thursday, June 14, 2018
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THU15 - RESILIENCY IN WATER RESOURCE PLANNING

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Val Frenkel

Day: Thursday, June 14, 2018
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THU27 - ASSET BUNDLING, ALTERNATIVE FINANCING AND COLD HARD CASH

Event Type: Professional Program
Track: Financing, Rates and Affordability
Moderator(s): John Mastracchio

Day: Thursday, June 14, 2018
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THU28 - NAVIGATING THE WATER ENFORCEMENT LANDSCAPE

Event Type: Professional Program
Track: Water Policy & Regulatory Actions
Moderator(s): Doug Parker

Day: Thursday, June 14, 2018
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THU29 - QUANTIFYING BENEFITS AND USING BUSINESS CASE ANALYSIS FOR OPTIMIZED SPENDING

Event Type: Professional Program
Track: Asset Management
Moderator(s): Ryan Nagel

Day: Thursday, June 14, 2018
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THU30 - PREPARING FOR THE FUTURE - REHABILITATION, RENOVATION AND EXPANSION OF OUR AGING WATER TREATMENT FACILITIES

Event Type: Professional Program
Track: Infrastructure Design, Mgmt & Project Delivery
Moderator(s): David Briley

Day: Thursday, June 14, 2018
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THU31 - THE IMPORTANCE OF IT MASTER PLANNING AND CYBERSECURITY

Event Type: Professional Program
Track: Innovation and Technology
Moderator(s):

Day: Thursday, June 14, 2018
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THU32 - SEISMIC AND PLANNING ISSUES REGARDING WATER DELIVERY

Event Type: Professional Program
Track: Emergency, Resilience and Cybersecurity
Moderator(s): Gregory Fron

Day: Thursday, June 14, 2018
Time: 02:00 PM - 04:30 PM

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THU33 - SUPPLY SIDE EFFICIENCY - PRACTICE WHAT YOU PREACH

Event Type: Professional Program
Track: Water Use Efficiency Practices
Moderator(s):

Day: Thursday, June 14, 2018
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THU34 - THE REVOLUTION OF SUBSURFACE WATER STORAGE

Event Type: Professional Program
Track: Water Resource Management and Potable Reuse
Moderator(s): Dena Egenhoff

Day: Thursday, June 14, 2018
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THU35 - ACTIVATED CARBON/GAC

Event Type: Professional Program
Track: Water Quality Challenges
Moderator(s):

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THU36 - EMERGENCE OF NON-PROPRIETARY MEMBRANE FILTRATION SYSTEMS OFFER OPPORTUNITIES AND CHALLENGES FOR WATER TREATMENT PLANT UPGRADES

Event Type: Professional Program
Track: Advances in Water Treatment
Moderator(s): Mark White

Day: Thursday, June 14, 2018
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THU37 - BIOFILTRATION PERFORMANCE

Event Type: Professional Program
Track: **Advances in Water Treatment**
Moderator(s):

Day: Thursday, June 14, 2018
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THU38 - APPLICATIONS FOR HYDRAULIC MODELS TO SUPPORT WATER SYSTEM OPERATIONS

Event Type: Professional Program
Track: Distribution System Management & Operations
Moderator(s): Christie Patel

Day: Thursday, June 14, 2018
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