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OCTOBER 5 – 9, 2020

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WEFTEC CONNECT PREVIEW



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ALL VIRTUAL. ALL ACCESS.



OCTOBER 5 - 9, 2020

WEFTEC Connect is a dynamic, immersive learning experience, that takes the best of our in-person event, reshapes it for the virtual world, and delivers it all directly to you.

FEATURING:

- Live, interactive learning with Q&A
- Pre-recorded technical presentations
- View content on demand for a full year
- Talk directly with product and service suppliers in the water sector
- Set-up 1:1 audio/video-enabled appointments or instantly message company contacts
- Watch video product launches and equipment demonstrations and download resources
- Connect with your community through text chat channels or audio/video-enabled roundtables
- Allow AI-technology to match you for peer-to-peer exchanges with other attendees and exhibitors based on data provided when you build your participant profile

Instantly connect from your place to our space with WEFTEC Connect.

Registration now open | Super Saver deadline August 14

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MONDAY SCHEDULE AT-A-GLANCE

MONDAY, OCTOBER 5

Subject to change. All times listed are Eastern Daylight Time (EDT).

Moving Waters

A virtual bike/run/walk challenge benefitting Water For People starts on October 2. You'll have ten days to participate at your own pace and submit your activities. The Top 10 contenders will be recognized in WEFTEC Now and on WEF's social media channels the week of October 12.

10:30 am - 11:00 am **Welcome to WEFTEC Connect!**
We're excited to introduce WEFTEC Connect and to show you what's planned for Day 1

KEYNOTE

11:00 am - 11:45 am **Opening General Session**
Clarity Through Crisis, featuring Rene Rodriguez

EXHIBITOR POWER HOURS

12:30 pm - 2:30 pm While you can check-out exhibits 24/7, you won't want to miss Exhibitor Power Hours - dedicated time for customer meetings, solution sessions presented by exhibitors, live product launches, and equipment demos.

SOLUTION SESSIONS

12:30 pm - 1:00 pm **Chemical Disinfection Solutions**

1:00 pm - 1:30 pm **In-Field Quality Control Measures for Trenchless Rehabilitation**

1:30 pm - 2:00 pm **Membrane Bioreactors (MBR) Treatment**

2:00 pm - 5:00 pm **Operations Challenge**

KEYNOTE

2:30 pm - 3:30 pm Interact with U.S. EPA, including Administrator Andrew Wheeler (invited)

ASK THE EXPERTS

3:30 pm - 4:30 pm **Session 5a** The Future of Water Policy: The National Perspective

Session 5b Master Lecture: Per Henrik Nielsen

4:00 pm - 5:00 pm **Session 5c** The Latest in Dewatering Modeling and Research

Session 5d Knowledge Development Forum: Emerging Waterborne Infectious Diseases

5:00 pm - 6:30 pm **Monday Night at the Movies**
Brave Blue World documentary screening followed by a filmmakers panel discussion with Q&A



For full program and latest updates, download the WEF Events Connect Mobile App at weftec.org/weftecmobile.



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TUESDAY SCHEDULE AT-A-GLANCE

TUESDAY, OCTOBER 6

Subject to change. All times listed are Eastern Daylight Time (EDT).

10:00 am - 4:00 pm **Operations Challenge**

10:30 am - 10:45 am **See What's Planned for WEFTEC Connect Tuesday**

ASK THE EXPERTS

11:00 am - 12:00 pm **Session 6a** Water Reuse in Industry: Sustainably Supplied from Municipal Resource Recovery Facilities

Session 6b Fate of COVID-19 in Water and Wastewater Systems and Implications

11:30 am - 12:30 pm **Session 6c** Knowledge Development Forum: Theoretical and Practical Debate to Improve EBPR Modeling Practice

Session 6d CMOM: What Lessons Have We Learned and Where Are We Going?

Session 6e Public Outreach: Tools to Tell a Great Story to Your Customers and Stakeholders

EXHIBITOR POWER HOURS

12:30 pm - 2:30 pm While you can check-out exhibits 24/7, you won't want to miss Exhibitor Power Hours - dedicated time for customer meetings, solution sessions presented by exhibitors, live product launches, and equipment demos.

SOLUTION SESSIONS

12:30 pm - 1:00 pm **Refinery Wastewater Treatment**

1:00 pm - 1:30 pm **Wastewater 101**

1:30 pm - 2:00 pm **Deammonification Technology Overview**



OPPORTUNITY OF A LIFETIME

Water challenges are escalating around the globe, placing people and communities, our environment, and our very future at risk. By 2025, 1.8 billion people will be living in countries or regions with absolute water scarcity. We are a Fortune 1000 global water technology provider with one mission: to help our customers solve water through the power of technology and expertise. Together, we can make water more accessible and affordable, and communities more resilient. Let's create a world that is more water-secure and sustainable for all. We have the opportunity of a lifetime to solve water. Let's work together and lead the way. #LetsSolveWater



TUESDAY SCHEDULE AT-A-GLANCE

TUESDAY, OCTOBER 6

Subject to change. All times listed are Eastern Daylight Time (EDT).

WEF CHATS

- 2:30 pm - 3:30 pm
- Insights on Innovation
 - Public Officials
 - Women in Water

ASK THE EXPERTS

- 3:30 pm - 4:30 pm
- | | |
|-------------------|--|
| Session 6f | PFAS: Where Science and Policy Intersect |
| Session 6g | Knowledge Development Forum: The Next Generation Mainstream Deammonification |
- 4:00 pm - 5:00 pm
- | | |
|-------------------|--|
| Session 6h | Planning Approaches to Sustainable and Resilient Infrastructure for Small Communities – One Chance for Success!! |
|-------------------|--|

6:00 pm - 7:00 pm



Rather than meeting at a pub, gather with other WEFTEC Connect participants virtually to maintain social connections and team engagement. Attendees can see each other and socialize over online video Trivia! Play through three rounds of perfectly balanced general knowledge questions and categories with an engaging host. Attendees in multiple cities, time zones, and countries can come together to play.

Proceeds from this event (\$25/person) will be donated to the Hospitality Cares Pandemic Response Fund managed by the Louisiana Hospitality Foundation and The United Way of Southeast Louisiana, providing crisis grants and other support services to New Orleans-area hospitality workers whose livelihoods have been affected by the COVID-19 outbreak.



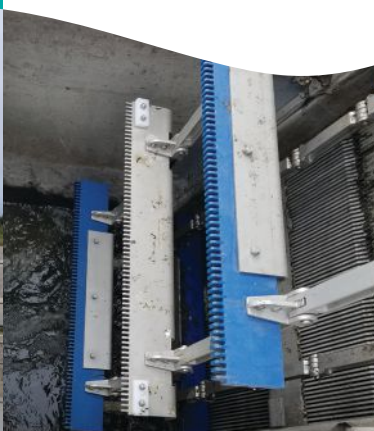
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WEDNESDAY SCHEDULE AT-A-GLANCE

WEDNESDAY, OCTOBER 7

Subject to change. All times listed are Eastern Daylight Time (EDT).

10:00 am - 4:00 pm	Operations Challenge
10:30 am - 10:45 am	See What's Planned for WEFTEC Connect Wednesday

ASK THE EXPERTS

11:00 am - 12:00 pm	Session 7a	Not Just Blowing Hot Air: Aeration Design and Optimization
11:00 am - 12:30 pm	Session 7b	Knowledge Development Forum: Utility Leadership Opportunities and Lessons Learned from COVID-19 Experiences
11:30 am - 12:30 pm	Session 7c	Going Beyond Watershed-Based Permitting, Integrated Planning and Trading
	Session 7d	Inflow/Infiltration: Fighting the I/I

EXHIBITOR POWER HOURS

12:30 pm - 2:30 pm	While you can check-out exhibits 24/7, you won't want to miss Exhibitor Power Hours - dedicated time for customer meetings, solution sessions presented by exhibitors, live product launches, and equipment demos.
--------------------	--

SOLUTION SESSIONS

12:30 pm - 1:00 pm	Hot Air Blowers
1:00 pm - 1:30 pm	Stormwater
1:30 pm - 2:00 pm	Nutrient Analyzers and Sensors

KEYNOTE

3:00 pm - 3:30 pm	WOW - Workforce on Wednesday Meet Me in the Middle: Making Workforce Connections, featuring Anna Maria Chavez
-------------------	---

WEF CHATS

2:30 pm - 3:30 pm	<ul style="list-style-type: none"> ■ Affordability Was Already a Problem, but Has the Coronavirus Crisis Made It Worse? ■ Do the SDGs Apply to Me? A Resounding Yes ■ Workforce Development
-------------------	--



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Photo courtesy of Poseidon Water

WEDNESDAY SCHEDULE AT-A-GLANCE

WEDNESDAY, OCTOBER 7

Subject to change. All times listed are Eastern Daylight Time (EDT).

ASK THE EXPERTS

3:30 pm - 4:30 pm	Session 7e	Diversity, Equity, and Inclusion in the Water Sector
	Session 7f	Cellulose Recovery From Wastewater
4:00 pm - 5:00 pm	Session 7g	Stormwater and GSI: Hindsight is 20/20 – Looking Back to Move Forward
	Session 7h	Knowledge Development Forum: Digital Twins – A Waste of Time or The Future of Water Resource Recovery?
5:00 pm - 6:30 pm	WEF Awards and Presidential Ceremony and Celebration	Celebrate and congratulate the 2020 WEF Award recipients and Fellows on their accomplishments. During the program, President Jackie Jarrell will share remarks and then “pass the gavel” to Incoming President Lynn Broaddus, who will share her vision for the coming year.
6:00 pm - 7:00 pm	Happy Hour	Wrap-up Day 3 by joining us for Happy Hour



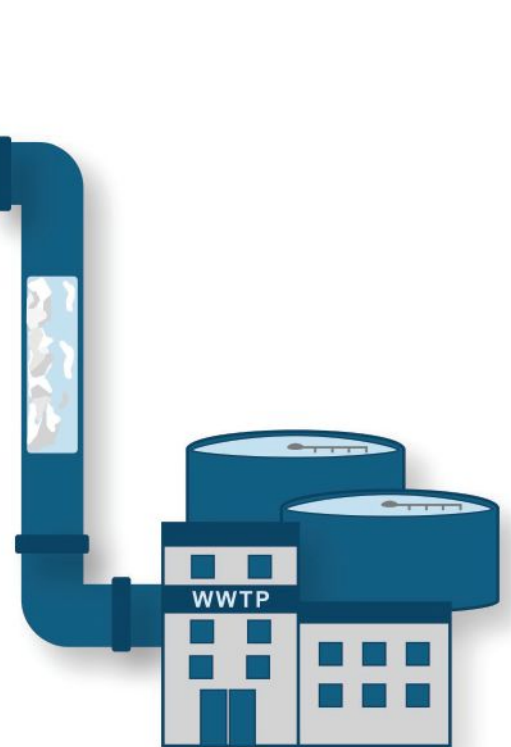
“flushable” wipes
wreak havoc
in collection systems
& wastewater treatment plants

imagine...

removing wipes

before a small problem becomes a

BIG PROBLEM



come see what's next at Duperon

THURSDAY SCHEDULE AT-A-GLANCE

THURSDAY, OCTOBER 8

Subject to change. All times listed are Eastern Daylight Time (EDT).

10:00 am - 1:00pm **Operations Challenge**

10:30 am - 10:45 am **See What's Planned for WEFTEC Connect Thursday**

ASK THE EXPERTS

11:00 am - 12:00 pm **Session 8a** Digital Solutions for Collection Systems

Session 8b Predicting, Increasing, and Conditioning Biogas

11:30 am - 12:30 pm **Session 8c** Knowledge Development Forum: Microplastics in the Water Environment: Should We Be Worried and Why?

Session 8d MABR Operations and Optimization

EXHIBITOR POWER HOURS

12:30 pm - 2:30 pm While you can check-out exhibits 24/7, you won't want to miss Exhibitor Power Hours - dedicated time for customer meetings, solution sessions presented by exhibitors, live product launches, and equipment demos.

SOLUTION SESSIONS

12:30 pm - 1:00 pm **Asset Management Software: Make Your Utility A Success!**

1:00 pm - 1:30 pm **Fundamentals – Secondary School on Aeration Blowers, Diffusers, and Process Control**

1:30 pm - 2:00 pm **Innovations in Laboratory Equipment and Analysis**

WEF CHATS

2:30 pm - 3:30 pm

- Diversity, Equity, and Inclusion
- Operators
- Utility Leaders

THURSDAY SCHEDULE AT-A-GLANCE

THURSDAY, OCTOBER 8

Subject to change. All times listed are Eastern Daylight Time (EDT).

ASK THE EXPERTS

3:30 pm - 4:30 pm	Session 8e	Operations and Safety Lessons Learned from COVID-19
	Session 8f	Thinking Outside the MS4 Box: Alternative Strategies for Managing Pollutants in Stormwater
4:00 pm - 5:00 pm	Session 8g	Knowledge Development Forum: Low DO Applications for Nutrient Removal Technologies
	Session 8h	Understanding Your Organization's Money Tree: Utility Finance Demystified
5:30 pm - 7:30 pm	Operations Challenge Awards Ceremony	
6:00 pm - 7:30 pm	Networking Roundtables Wrap-up Day 4 by joining one of our live networking roundtables	



The WEF Events Connect App

Available from the App Store or Google Play. Search for WEF Events Connect or use the direct link for your device.



<https://ativ.me/oh1>



<https://ativ.me/oh2>

The app requires Internet access to process updates and to log in, but supports offline browsing, scheduling, and searching.

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FRIDAY SCHEDULE AT-A-GLANCE

FRIDAY, OCTOBER 9

Subject to change. All times listed are Eastern Daylight Time (EDT).

10:30 am - 10:45 am **See What's Planned for WEFTEC Connect Friday**

ASK THE EXPERTS

11:00 am - 12:00 pm	Session 9a	Utility Leaders Morning: Envisioning the Future of the Water Sector (hosted by WEF and NACWA)
	Session 9b	Going KETO: Stories of Carbon Re-Direction in the Age of Advanced Nutrient Removal
11:30 am - 12:30 pm	Session 9c	Application of Innovative Process Technologies in the Food and Beverage Industry
	Session 9d	Updates to ASCE's Clean Water and In-Process Oxygen Transfer Standards

EXHIBITOR POWER HOURS

12:30 pm - 2:30 pm While you can check-out exhibits 24/7, you won't want to miss Exhibitor Power Hours - dedicated time for customer meetings, solution sessions presented by exhibitors, live product launches, and equipment demos.

SOLUTION SESSIONS

12:30 pm - 1:00 pm	UV Disinfection – Embrace the Light
1:00 pm - 1:30 pm	Fundamentals – ABCs of BNR – From Conventional to the Next Frontier
1:30 pm - 2:00 pm	The World of Pumps

KEYNOTE

2:30 pm - 3:30 pm	More to come - details will be posted on www.weftec.org
3:45 pm - 4:30 pm	Closing Session Leaning Into The Curve, featuring innovative leaders from UNLEASH, X-PRIZE, and The Gates Foundation (invited)

5:00 pm - 6:00 pm

It's a Wrap!

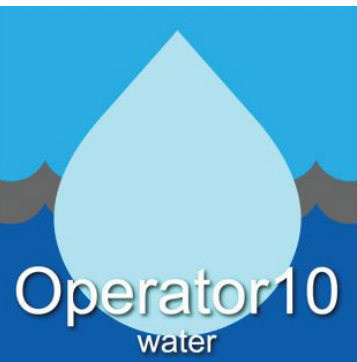
**TAKE OFF YOUR LEARNING CAPS
AND PUT ON YOUR PARTY HATS!**

Wrap up WEFTEC Connect in true "New Orleans-style" with good friends and good music from the Grammy Award-Winning Rebirth Brass Band!

For full program and latest updates, download the WEF Events Connect Mobile App at weftec.org/weftecmobile.



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KEYNOTE PRESENTATIONS

MONDAY, OCTOBER 5 | 11:00 AM - 11:45 AM (EDT)

OPENING GENERAL SESSION: CLARITY THROUGH CRISIS



The WEFTEC Connect kick-off event will set the tone for five days of dynamic, immersive learning and networking by inspiring water professionals to embrace the clarity that comes from crisis. Dynamic speaker René Rodriguez will use his training in applied behavioral neuroscience to teach water professionals how to reframe adversity and harness the power of courage to become more thoughtful, engaged, and adaptable leaders.

WEDNESDAY, OCTOBER 7 | 3:00 PM - 5:00 PM (EDT)

SPECIAL W.O.W. EVENT: WORKFORCE ON WEDNESDAY



This new mid-week “wow” event will feature a special “Meet Me in the Middle” presentation from Anna Maria Chávez followed by high-quality, workforce-related technical programming. As one of the world’s top experts on diversity, inclusion, and equity; women’s leadership; youth development; and aging, Chávez will help educate and inspire water professionals to embrace their role as influential leaders and agents of change within their communities and around the world.

3:00 pm - 3:30 pm **Anna Maria Chavez pre-recorded special presentation**

3:30 pm - 5:00 pm **Workforce related educational content**

FRIDAY, OCTOBER 9 | 3:45 PM - 4:30 PM (EDT)

CLOSING SESSION: LEANING INTO THE CURVE

Everyone is experiencing a learning curve as we adapt to changes in our world. Rather than resisting it, we’re “leaning into the curve” to become more adaptable and influential leaders of the future. A trifecta of remarks from The Gates Foundation (invited), UNLeash, and the X-PRIZE Foundation will highlight how each organization, and the water sector, is using innovation to go above and beyond the norm to help the world and shape the future.

All times listed are Eastern Daylight Time (EDT).

OPERATIONS CHALLENGE™

This year's all virtual Operations Challenge features teams facing-off in three events over four days.



This year, we've taken Operations Challenge and reshaped it for our virtual experience. Two-person teams will compete remotely in three categories: process control, laboratory, and collections. Judges will score each team in real-time during their scheduled virtual session, and the winners in each category will be announced at the Operations Challenge awards ceremony on Thursday, October 8. As more details become available, information will be updated on www.weftec.org/attend/operations-challenge/.

PROCESS CONTROL EVENT

Monday, October 5 | 2:00 pm - 5:00 pm

The new, virtual Operations Challenge competition kicks-off on Monday with the Process Control category. 2-person teams will compete remotely, in scheduled time blocks, and will be judged in real-time.

LABORATORY AND COLLECTION EVENTS

Tuesday & Wednesday, October 6 & 7 | 10:00 am - 4:00 pm

Thursday, October 8 | 10:00 am - 1:00 pm

Teams compete in the Laboratory and Collections categories for three days.

OPERATIONS CHALLENGE AWARDS CEREMONY

Thursday, October 8 | 5:30 pm - 7:30 pm

Winners will be announced at the Operations Challenge awards ceremony.

EDUCATION

Each day WEFTEC Connect serves-up a mixture of real-time, interactive learning events and on-demand technical presentations.

SPEAKERS

The screenshot shows the 'SPEAKERS' section of the WEFTEC Connect website. It features a search bar at the top and a profile for Natalie Wick. The profile includes a photo, her name, and a bio. Below the bio, there are two session listings for Monday, October 5: 'Plenary Session' and 'Session 228'. The 'Session 228' listing includes the speaker's name, affiliation (Bundeswehr University Munich), and the topic (Knowledge Development Forum Microplastics in the Water Environment: Should We Be Worried and Why?).

Easily see and search for speakers by name or topic category to view:

- Speaker bio
- Contact information
- Comprehensive list with links to their presentations

TECHNICAL SESSIONS

The screenshot shows the 'TECHNICAL SESSIONS' section of the WEFTEC Connect website. It features a search bar at the top and a list of sessions for Monday, October 5. The sessions are categorized by date and time. The first session is 'Opening General Session' from 8:30 am to 9:45 am, featuring a keynote presentation from Anna Maria Chavez. The second session is '100 Master Lecturer' from 10:30 am to 12:00 pm, featuring a Master Lecture by Per Henrik Nielsen. The third session is '101 Intelligent Water Systems Challenge: The Finals' from 10:00 am to 12:00 pm. The fourth session is '102 CMOM: What Lessons Have We Learned and Where Are We Going?' from 10:00 am to 12:00 pm. The fifth session is '103 Mindlight is 2020: Looking Back to Move Forward' from 10:00 am to 12:00 pm. Each session listing includes a 'WATCH NOW' button.

View a listing of technical sessions by day or simply filter by topic category or session type. Once you've clicked on the session of choice, you will find:

- Full session description
- List of speakers linked to their full profile
- Watch Now button



NETWORKING

Make the most of your WEFTEC Connect experience using our engagement tools.

- Participate in interactive sessions and join discussion rooms with speakers, sector leaders, and your peers.
- Converse with your community of practice through text chat channels or audio/video-enabled roundtables.
- Allow AI-technology to pair you for 1:1 chats with other attendees and exhibitors that share your interests based on data provided when you build your participant profile.
- Have some fun with your colleagues and your family at the social events, like the Monday Movie, WEF Awards and Presidential Ceremony and Celebration, Wrap Party, and more!



The WEF Events Connect App

Available from the App Store or Google Play. Search for WEF Events Connect or use the direct link for your device.



<https://ativ.me/oh1>



<https://ativ.me/oh2>

The app requires Internet access to process updates and to log in, but supports offline browsing, scheduling, and searching.

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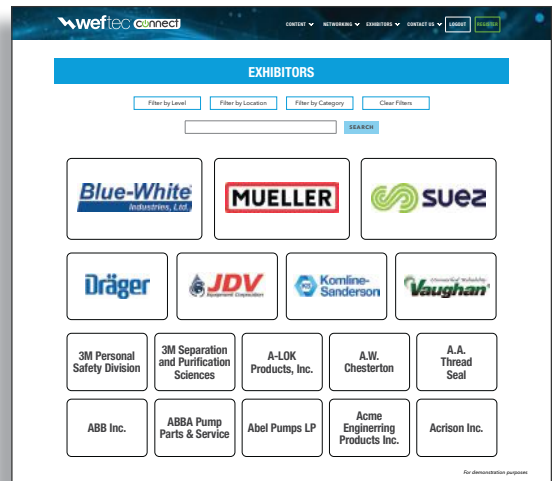
Google Play and the Google logo are trademarks of Google LLC.

EXHIBITOR SHOWCASE

Finding and meeting with the right exhibitors has never been easier!

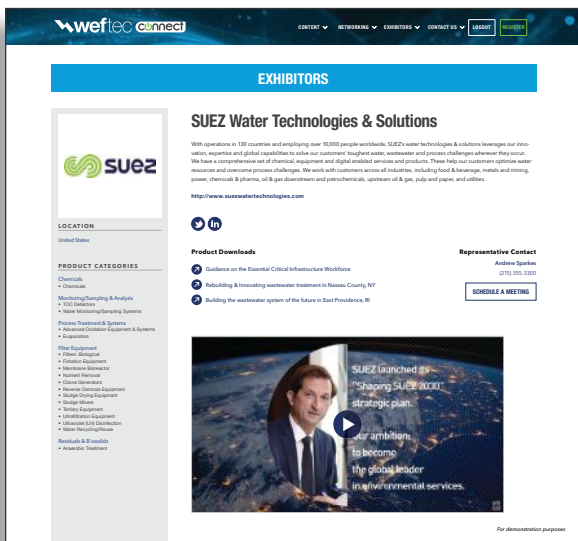
The WEFTEC Connect Exhibitor Showcase allows you to talk directly with the most knowledgeable product and service suppliers in the sector. Set-up appointment times, see video demonstrations, download resources, and schedule follow-up meetings.

Search exhibitors by name, or filter by product category, or location to find their company profile. Use AI-powered matchmaking to identify specific contacts you want to meet with and instantly chat or schedule 1:1 video meetings.



EXHIBITOR SHOWCASE HIGHLIGHTS

Dedicated Exhibitor Power Hours, 12:30 pm – 2:30 pm (EDT) daily
Scheduling access for 1:1 video meetings with critical contacts
Product demonstrations with Q&A and chat



EXHIBITOR PROFILES INCLUDE

- Company description
- Website information
- Product categories
- Contact information
- Product downloads and videos
- Meeting scheduling



For full program and latest updates, download the WEF Events Connect Mobile App at weftec.org/weftecmobile.

EXHIBITOR SHOWCASE

WEFTEC Connect Exhibitors

As of July 5, 2020

Acme Engineering Products Inc.

www.acmeprod.com

Alfa Laval Inc.

www.alfalaval.us

Alloway

www.alloway.com

Aqua Membranes

www.aquamembranes.com

Asahi/America, Inc

www.asahi-america.com

BioMicrobics, Inc.

www.biomicrobics.com

Chemical Processing

www.chemicalprocessing.com

Cretex Specialty Products

www.cretexseals.com

Datatecnics

www.datatecnics.com

Eco2Mix

www.eco2mix.com

ecoSPEARS

www.ecospears.com

EJ

www.ejco.com

Ekoton USA Corporate

www.ekoton-corp.com

Empowering Pumps & Equipment

www.empoweringpumps.com

Endeavor Business Media

www.endeavorbusinessmedia.com/

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www.us.endress.com

Enviconn Technology Company

www.enviconn.com

Epic Cleantec

www.epiccleantec.com

Flottweg

www.flottweg.com

Global Water Intelligence

www.globalwaterintel.com

Heron Innovators, Inc.

www.heroninnovators.com

ICS, Blount, Inc.

www.icsdiamondtools.com

KSB, Inc.

www.ksb.us.com

Newterra

www.newterra.com

OTT North America, LLC

www.ott-group.com

Schwing Bioset, Inc.

www.schwingbioset.com

SEPEX Inc.

www.seepex.com

StormSensor Inc.

www.stormsensor.io

SUEZ Water Technologies & Solutions

www.suezwatertechnologies.com

Tarsco Bolted Tank

<https://tfwarren.com/>

U.S. Environmental Protection Agency

www.epa.gov/waterfinancecenter/

Vaughan Company, Inc.

www.chopperpumps.com

Water For People

www.waterforpeople.org

Veolia Water Technologies

www.veoliawatertech.com

Wilco USA LLC

www.wilo-usa.com

Ziptility

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WEFTEC CONNECT PRICING

Register by August 14 to take advantage of the WEFTEC Connect Super Saver rate!

WEF recognizes that economic conditions this year have made it difficult for our customers to participate in professional development activities, so we've set our prices as low as possible to make WEFTEC Connect accessible to you.

	SUPER SAVER RATE through August 14		STANDARD RATE on/after August 15	
	Member	Nonmember	Member	Nonmember
Full Access	\$299	\$399	\$399	\$499
Young Professional Full Access	\$159	N/A	\$210	N/A
Student Full Access	Free	\$75	Free	\$150
Exhibitor Showcase Only	\$30	\$60	\$30	\$60
Opening General Session and WEF Awards Only	Free	Free	Free	Free
Trivia Night	\$25	\$25	\$25	\$25

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ON-DEMAND CONTENT



We are pleased to offer the following sessions, featuring hundreds of presentations from leading experts. These presentation will be available when WEFTEC Connect opens and can be accessed at anytime for a full year.

Research and Innovation

- Next Generation Data Analytics
- Cutting Edge Research on Issues Related to COVID-19 in Wastewater (WEF/AEESP Late-Breaking Research)
- Kinetic Considerations for Granulation and Densification
- Emerging Topics in Microconstituents
- Managing Aqueous Phase PFAS

Industrial Issues and Treatment Technologies

- Process Modeling and Simulation for Industrial Wastewater Treatment
- Solutions and Ideas From Award Winning Industrial Experts
- Optimization of Petroleum Refinery Wastewater Treatment
- Knowledge Development Forum: Wastewater Treatment Challenges for Petroleum Refineries Processing Opportunity Crude Oils
- Overcoming Water Reuse Challenges in the Food and Beverage Industry
- Selenium and Metals in Electric Power Generation Wastewater and Non-Contact Cooling Water
- Produced Water Treatment and Reuse in the Upstream Oil and Gas Industry
- Management of PFAS, Odor, and Metals in Landfill Liquids
- Selenium, Complex Nitrogen Compounds, and Water Reuse in the Mining Industry
- Advanced Treatment Lessons, Considerations, and Innovative Membrane Brain/Fuel Cell Applications for Pharmaceutical Agents
- Pulp and Paper Wastewater Treatment Issues

Municipal Wastewater Treatment Process and Design

- Granular Developments: Advancements in Aerobic Granular Sludge Formation
- The Rain Is Coming: Are You Ready for Wet Weather Treatment?
- FUNdamentals: Secondary School on Aeration Blowers, Diffusers, and Process Control
- An Evaluation of What the Future Holds for Nitrogen and Phosphorus Removal
- FUNdamentals: ABCs of BNR, From Conventional to the Next Frontier
- Optimizing Energy Through Advanced Aeration Control
- Effluent Polishing in the Real World
- Strategies to Optimize WRRFs for Nutrient Removal
- Innovative Nitrogen Removal Approaches and Pathways
- No Foul Play! Keep Membranes Working
- Head(works) of the Class: Case Studies and Advancements in Grit Removal
- Settle Down! Case Studies of Secondary Clarifier Improvements

ON-DEMAND CONTENT



Facility Operations and Maintenance

- Applying CFD From Primary Treatment Through Disinfection
- Smarts in Linear Asset Management
- Capital Planning Within Asset Management
- Odors in the Greenhouse: Emission Investigation and Modeling for Odors and Greenhouse Gases
- Vertical Asset Management: Big to Small
- What's Brewing? Advancement in EBPR
- Clearing the Air: Odor Mitigation and Treatment
- Process Control and Automation
- Sidestream Phosphorus Removal and Recovery Operations
- Greenhouse Gas Emissions, Sustainability, and Neutrality
- Addressing Low Influent Carbon for EBPR
- Sense and Sensibilities: Odors Fundamentals 101
- Energy Management: Case Studies at Full Scale
- Sidestream Nitrogen Removal

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ON-DEMAND CONTENT



Residuals and Biosolids Management/Energy

- Evolution of Marketing, Technology, and Regulations for Biosolids Beneficial Uses
- Implementing Thermal Hydrolysis: Optimizing the Operations Around Advanced Digestion
- Renewable Natural Gas: Innovations and Policy
- Pretreatment Enhancements and Impacts on Anaerobic Digestion
- Understanding Constituents of FOG and Impacts on Digestion and Dewatering
- DOE: Alternatives to Traditional Anaerobic Digestion and Wastewater Partnerships
- PFAS Management in Biosolids
- Opportunities, Challenges, and Impacts of Codigestion With Source Separated Organics
- Overcoming Dewatering Difficulties
- More than Just the Same Old Mesophilic: Innovations in Advanced Digestion

Disinfection and Public Health

- Conversation and Input on WaSH: Improving Public Health for Changing Communities
- Disinfection on The Edge
- Peracetic Acid (PAA): New Dog, Old Tricks
- Killing Me Softly: Disinfection for Pathogen Control

Collection Systems and Distribution

- Collection Systems Operations and Maintenance: Don't Be Afraid to Be Great!
- Collection System Force Mains
- Collection Systems 101: The Basics
- Let It Flow: Advanced Flow Analysis
- Collection Systems Rehabilitation and Construction
- Collection Systems Top Model
- Sewer System Condition Assessment: From CCTV and 3D Imaging to Drones
- Surviving the Flood: Wet Weather and Impacts on Collection Systems



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Stormwater Management

- Show Me the Money: Getting Funding and Spending It Effectively
- Understanding and Responding to Changing Precipitation Patterns: Forecasting and Modeling
- Stormwater Rules! Making Codes and Ordinances Work for You
- #StormwaterData: Using Technology to Inform Program Decisions
- Evaluating Manufactured Treatment Devices
- Is the Water Clean Yet? Measuring BMP Performance
- Stormwater Utility Manager Hot Topics
- Plan to Plan: Integrated and Master Planning Efforts for Green Infrastructure and Stormwater Management
- A Tale of Three Cities: Green Infrastructure Incentives in Urban Areas
- Improving Your BMP Designs From the Ground Up
- A Vision for the Future of Stormwater
- When the Rain Comes Down and the Seas Go Up: Urban and Coastal Flooding
- Stormwater Infrastructure: What Do You Have and How Do You Fix It?

Watershed Resources Management and Sustainability

- Watershed Planning From Yum to Yuck: Focusing on Nutrients and Bacteria
- Stormwater, Watershed, and Receiving Water Quality Modeling: Modeling History, Selection, and Our Future
- Integrated Planning: One Water, Many Solutions
- Resilience Runway: New Trends in Modeling

Utility Management and Leadership

- Toward the Digital Sewershed: What Is in Yours?
- Leveraging Digital Solutions for Linear Assets
- Utility Management: Organizational Culture Change
- Sustainable Infrastructure Decision Making
- How Are Large and Small Communities Facing Infrastructure Challenges?
- What's Hot Now!! Utility Management Trends in 2020
- Life Is Risky: Strategies to Mitigate Risk for Successful Outcomes
- Engineered Equipment Procurement Practices (E2P2)
- Workforce Development: Help Your Employees Love Their Job!
- There's More Than One Way to Cook an Egg: Project Delivery Options to Not Leave You Feeling Fried
- Utilities Innovating to Grease the Skids for Their Core Business
- Community Benefits: How Utilities Build Better Service to Their Communities
- Asset Resiliency in Operations
- Improving Your Utility's Approach to Compliance and Permitting
- Finance Nightmares: Utility Rates and Finance Topics
- Managing Equipment and Facilities

ON-DEMAND CONTENT



Water Reclamation and Reuse

- MBR for Water Reuse: Giving Credit Where Credit Is Deserved
- Avoid the Brine: Achieving Potable Reuse Without RO
- Validating Potable Reuse Through Large Scale Water Reuse Pilot Programs
- Reuse Water Quality: Control the Source

Future Issues

- Global Perspectives on Integrating Water Reuse and Food Production
- Resilience for the Future: Designing Water and Wastewater Infrastructure for Resilience Against Intensifying Extreme Weather Events
- Major Flood Event Challenges: Self-Help Plus FEMA Funding Responses
- Realities and Impacts of Climate Change on the Water Environment (Climate Change Fundamentals)
- Earth, Wind, and Fire: Natural Disasters Other Than Flooding
- Diversity and Inclusion

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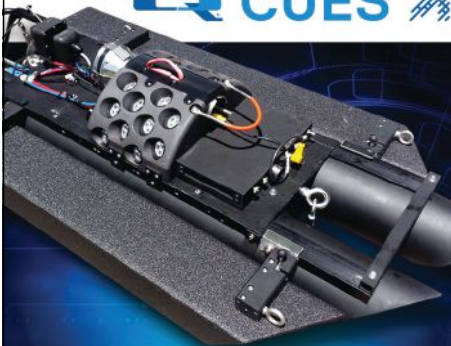
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
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