

# weftec<sup>®</sup> innovation showcase



## 5TH ANNUAL WEFTEC INNOVATION PAVILION

Monday – Wednesday, 9.26 – 9.28 | 8:30 am – 5:00 pm  
Hall E, Booth 3129 | NOMCC

WEF's Innovation Pavilion highlights a selection of the most promising technology businesses in the industry while championing an important dialogue about innovation. WEF and its Innovation Partners, BlueTech Research and Imagine H<sub>2</sub>O, create a unique program for entrepreneurs, investors, customers, and regulators.



OFFICIAL INNOVATION PARTNERS



IMAGINE {  } H<sub>2</sub>O

**RECEPTION: Featuring The Water Council**

Monday, 9.26 | 5:00 pm – 6:00 pm  
Hall E, Booth 3129 | NOMCC

Reconnect with innovation experts or turn new acquaintances into connections at the Innovation Pavilion reception. Prize winning innovative companies and startups will be on hand, as will WEF's Innovation Partners, Imagine H2O and BlueTech Research, to show you new technologies and help you learn. All while enjoying complimentary beverages. Come by for a quick chat before heading out for the evening!

**BLUETECH BREAKFAST BRIEFING**

**The Impact of the 4th Industrial Revolution on Water**

Tuesday, 9.27 | 7:30 am – 9:00 am

The general 4th industrial revolution trends include things like: 3D printing, artificial intelligence, predictive analytics, and sharing economy business models like AirBnB, robotics, micro economy, etc...How long before water is impacted by mega trends like this?

This breakfast briefing, lead by BlueTech Research CEO, Paul O'Callaghan, will cover the latest intelligence from our four core research areas: Water Reuse and Alternative Water, Energy and Resource Recovery, Oil & Gas and Extractives, and Smart Water. The event will be followed by a concierge tour of the WEFTEC Innovation Pavilion, in conjunction with our Innovation Partners – WEF and Imagine H<sub>2</sub>O.

**RECEPTION: Featuring Innovation From Our Federal Colleagues, Sponsored by the Cleveland Water Alliance**

Tuesday, 9.27 | 5:00 pm – 6:00 pm  
Hall E, Booth 3129 | NOMCC

Reconnect with innovation experts or turn new acquaintances into connections at the Innovation Pavilion reception. Prize winning innovative companies and startups will be on hand, as will WEF's Innovation Partners, Imagine H2O and BlueTech Research, to show you new technologies and help you learn. All while enjoying complimentary beverages. Come by for a quick chat before heading out for the evening!

**AWARD WINNING WATER INNOVATIONS**

The Pavilion features a selection of early and growth stage companies honored by BlueTech Research and Imagine H<sub>2</sub>O. Many of these companies are investor-backed and working with high profile customers in the industrial and municipal markets. We also highlight new technologies from our more established companies, featuring the WEF Innovative Technology Award Winner.

**Innovation Pavilion Exhibitors**

- Andalyze** | Booth 3129a
- APANA** | Booth 3129m
- Ayyeka** | Booth 3129e
- BlueTech Research** | Booth 3129d
- Element Six Corp** | Booth 3129n
- FATHOM** | Booth 3129k
- Imagine H<sub>2</sub>O** | Booth 3129c
- Mapistry** | Booth 3129b
- NJBSoft** | Booth 3129f
- NX Filtration** | Booth 3129l
- ORIGINCLEAR TECHNOLOGIES** | Booth 3129j
- PaveDrain** | Booth 3129h
- Sourcewater, Inc.** | Booth 3129g
- Spiral Water Technologies** | Booth 3129i
- The Water Environment Federation** | Booth 3129

**WEF 2016 Innovative Technology Award Winner**

- Arvia Technology Ltd.** | Booth 7646

**Innovation Row Exhibitors**

- ADI Systems** | Booth 3134
- BIOGILL** | Booth 3252
- BKT** | Booth 3251
- Clean Water Services** | Booth 3142
- Fibracast Ltd.** | Booth 3245
- Greater New Orleans, Inc.** | Booth 3260
- Heliopure** | Booth 3151
- Isle Utilities** | Booth 3153
- KORE Infrastructure** | Booth 3138
- OptikTechnik** | Booth 3250
- Water Environment & Reuse Foundation** | Booth 3144
- Wisconsin Water Pavilion/The Water Council/The BREW** | Booth 3145

The Innovation Pavilion and receptions are possible with the generous support of:



**PROGRAMMING**

The Pavilion's theater will host a series of educational sessions for utilities, investors, entrepreneurs, and technology providers. These interactive sessions allow participants to engage prominent leaders in the water innovation community.

**MONDAY, 9.26**

11:00 am – 11:30 am	107	Exclusive Access to Water Start-Ups: Guided Tour of the Innovation Pavilion
11:30 am – 12:00 pm	108	Systems Thinking: Making Sense in Crazy Times
12:00 pm – 12:30 pm	109	LIFT: Game On! LIFT Passport to Innovation
12:30 pm – 1:00 pm	110	Smart Water Networks Forum: Creating the North American Alliance
1:00 pm – 2:00 pm	237	Innovations From NSF SBIR Companies
2:00 pm – 3:00 pm	238	BlueTech Research: Analysis of Success (and Failure) Factors in Water Strategy
3:00 pm – 3:30 pm	239	\$10M Water Prize
4:00 pm – 5:00 pm	240	BREW Tank: Water Council Startups Pitch to Our Experts
5:00 pm – 6:00 pm		Reception: Featuring The Water Council

**11:00 am – 11:30 am**  
**107 Exclusive Access to Water Start-Ups: Guided Tour of the Innovation Pavilion**

Moderator: **J. Guild**  
 Innovative and award winning companies in the Innovation Pavilion are bringing new and exciting developments to the industry. Join a personal tour of these companies given by WEF's innovation partners who can provide insights into their technologies and potential impacts for you. This session will also include WEF's Innovative Technology Award winner, Arvia Technology.

**11:30 am - 12:00 pm**  
**108 Systems Thinking: Making Sense in Crazy Times**

Moderator: **C. Keating**  
 This session explores the nature, role, and practical tools for Systems Thinking (ST). In a nutshell, Systems Thinking is a way of framing how we see, interpret, make sense, and respond to the complex and crazy world we encounter on a daily basis. In essence, ST is a different level of thinking that opens opportunities for alternative understanding, decision, and action not previously recognized. As Einstein suggested, 'We cannot solve our problems with the same level of thinking that created them'. Systems Thinking offers practitioners a different level of thinking. We all deal with systems in nearly every aspect of our lives and suffer the ill effects of their deficiencies (poor service, under performance, wasted resources, etc.). However, since we are not innately born with the capacity for Systems Thinking, we have varying degrees of proficiency, picked up through training, education, and experience - and usually coming with a lot of hard knocks, bumps, and bruises along the way. In contrast, this training is focused on purposefully accelerating development of higher capacity for Systems Thinking - in an environment without all of the bumps and bruises. Systems Thinking concepts, techniques, and methods are introduced, demonstrated, and applied so that participants can immediately put them into use.

Speaker: **C. Keating**

**12:00 pm - 12:30 pm**  
**109 LIFT: Game On! LIFT Passport to Innovation**

Moderator: **A. Fisher**  
 With hundreds of companies on the WEFTEC exhibit floor, it can be overwhelming to find the latest promising innovations. The LIFT Passport to Innovation is a fun way to guide you to new technologies

of interest, including the latest advancements in nutrient removal and recovery, energy savings and generation, water reuse, and more. Get your LIFT Passport stamped and win prizes. This session will provide an introduction to how the game works along with a game card (or you can pick one up anytime at the WE&RF booth #3144). The session will also include an overview of several LIFT innovation tools and programs to help you continue your innovation journey long after WEFTEC is over, including LIFT Link and a new utility travel scholarship program to see and visit innovations in the U.S. and abroad.

Speakers:  
**A. Fisher**  
**F. Karimova**

**12:30 pm – 1:00 pm**  
**110 Smart Water Networks Forum: Creating the North American Alliance**

Moderator: **M. Bracken**  
 The Smart Water Networks Forum (SWAN) promotes the use of data-driven technologies in water and wastewater networks, making them smarter, more efficient and sustainable. At WEFTEC 2016, SWAN will introduce the SWAN North American Alliance focused on accelerating smart water and wastewater development in the U.S. and Canada by offering free webinars, a utility workshop and educational resources. Join us for a special session with leading SWAN industry experts discussing how to successfully advance the North American water sector.

Speaker: **M. Bracken**

**1:00 pm - 2:00 pm**  
**237 Innovations From NSF SBIR Companies**

Moderator: **P. Balan**  
 Come see the National Science Foundation's (NSF) Small Business Innovation Research (SBIR) companies as they try to win over our panelists of investors, advisors, industrial, and municipal customers. Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored NSF. After the pitch session, feel free to spend more time with these innovators in the NSF Booth 5725.

**2:00 pm - 3:00 pm**

**238 BlueTech Research: Analysis of Success (and Failure) Factors in Water Strategy**

Moderator: P. O’Callaghan

This session will delve into innovation theory developed by BlueTech Research. We have developed theories and models to study the diffusion of water technology innovation in the marketplace, and this session will focus on notable success (and failure) factors in water strategy (for both small companies and multi-national enterprises).

Relevant areas that will be discussed include:

- case studies in terms of success factors and failure nodes in market entry, commercialization, and scale-up strategy;
- the associated timelines and necessary “velocity” to cross the chasm in the water industry;
- the timing & balance between R&D (organic growth) and M&A (inorganic growth) – S-curve theory and market analysis tools that support decision making;
- trends and opportunities in various strategies – roll-ups, M&A, open innovation, etc.;
- the importance and role of internal/external accelerator programs, water hubs, and the participation of the investment community (VC, PE, etc.);
- partnering considerations – identifying what strategic partners are looking for, investment & acquisition trends, success stories and pitfalls

Speaker: P. O’Callaghan

**239 \$10M Water Prize**

Moderator: R. Kröger

Think you have the skills, knowledge, and science to solving a global water crisis? Learn more as the Everglades Foundation launches the George Barley Water Prize, a multi-year \$10 million tech and innovation challenge seeking solutions to the phosphorus pollution problem plaguing freshwater bodies around the world.

Speaker: R. Kröger

**4:00 pm - 5:00 pm**

**240 BREW Tank**

Moderator: E. Thelen

These start-ups have won the BREW (Business Research Entrepreneurship in Water) and in The Water Council’s accelerator program, but can they win over our panelists of investors, advisors, industrial, and municipal customers? Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored by The Water Council and the BREW participants can be seen in Booth 3145.

**5:00 pm - 6:00 pm**

**Reception**

Featuring The Water Council

Reconnect with innovation experts or turn new acquaintances into connections at the Innovation Pavilion reception. Prize winning innovative companies and startups will be on hand, as will WEF’s Innovation Partners, Imagine H2O and BlueTech Research, to show you new technologies and help you learn. All while enjoying complimentary beverages. Come by for a quick chat before heading out for the evening!

**3:00 pm - 3:30 pm**

**TUESDAY, 9.27**

7:30 am – 9:00 am	<b>335</b>	BlueTech Breakfast Briefing (By Invitation Only)
9:00 am – 10:00 am	<b>336</b>	BREW Tank II: Water Council Startups Pitch to Our Experts
10:00 am – 10:30 am	<b>337</b>	LIFT: Development of a National Test Bed Network
10:30 am – 11:00 am	<b>338</b>	LIFT: Converting Biosolids into Biocrude
11:00 am – 11:30 am	<b>339</b>	Exclusive Access to Water Start-Ups: Guided Tour of the Innovation Pavilion
11:30 am – 12:30 pm	<b>340</b>	Delivering Value: How Data Startups Are Revolutionizing the Water Sector
12:30 pm – 1:00 pm	<b>341</b>	How the US Department of Energy’s Wastewater Accelerator Helps Utilities
1:00 pm – 1:30 pm	<b>342</b>	Biogas Impact on Water Resource Recovery Facilities
1:30 pm – 2:30 pm	<b>434</b>	The CROC Tank: Imagine H2O Water Start-Ups Pitch to Our Experts
3:00 pm – 4:00 pm	<b>435</b>	The CROC Tank: BlueTech Water Start-Ups Pitch to Our Experts
4:00 pm – 4:15 pm	<b>436</b>	Unveiling the WEF Water Reuse Roadmap
4:15 pm – 5:00 pm	<b>437</b>	Potent Potables Smackdown: Reuse for Beer Brewing
5:00 pm – 6:00 pm		Reception: Featuring Innovation From Our Federal Colleagues and Sponsored by the Cleveland Water Alliance

**7:30 am – 9:00 am**

**335 BlueTech Breakfast Briefing: The Impact of the 4th Industrial Revolution on Water**

Moderator: P. O’Callaghan

This invitation only breakfast briefing will present Innovation Case Studies in industrial applications, Technology Horizon Scans and networking with fellow Industrial Water Leaders. Highlights will be presented from BlueTech Research data and analysis on innovation

in the water market across 4 core research areas, Water Reuse and Alternative Water, Energy and Resource Recovery, Oil & Gas and Extractives and Smart Water.

Speakers:

- P. O’Callaghan
- J. Guild

**9:00 am – 10:00 am****336 BREW Tank II**

Moderator: E. Thelen

These start-ups have won the Corporate BREW (Business Research Entrepreneurship in Water) competitions sponsored by Veolia and AO Smith and participate in The Water Council's accelerator program. Can they win over our panelists of investors, advisors, industrial, and municipal customers? Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored by The Water Council and the BREW participants can be seen in Booth 3145.

**10:00 am - 10:30 am****337 LIFT: Development of a National Test Bed Network**

Moderator: A. Fisher

This session features the National Water Resource Recovery Test Bed Facility Network and Directory which connects researchers, new technology providers, and other innovators in the water industry with test facilities appropriate for their needs. Test bed support tools such as LIFT Technology Scans, LIFT Link, and a program to better connect universities and utilities will also be highlighted. Future plans for the National Test Bed Network will be outlined and an opportunity will be provided for discussion and input.

Speakers:

M. Philbrick  
J. Turgeon  
B. Schottel

**10:30 am - 11:00 am****338 LIFT: Converting Biosolids into Biocrude**

Moderator: R. Bhattarai

This session highlights results from a LIFT project to determine if hydrothermal processing (HTP) technology has the potential for converting wastewater biosolids to energy (B2E). In particular, it looked at the Genifuel HTP technology which converts organic material into biocrude oil, natural gas, or both. HTP uses the same processes by which fossil fuels naturally form, (heat, pressure, time, and water), but amplifies these conditions so the conversion occurs in less than an hour. The session includes a discussion of the project as an example of how to engage in technology collaboration through LIFT.

Speakers:

P. Marrone  
J. Oyler  
P. Kadota

**11:00 am – 11:30 am****339 Exclusive Access to Water Start-Ups: Guided Tour of the Innovation Pavilion**

Moderator: T. Ferguson

Innovative and award winning companies in the Innovation Pavilion are bringing new and exciting developments to the industry. Join a personal tour of these companies given by WEF's innovation partners who can provide insights into their technologies and potential impacts for you.

**11:30 am - 12:30 pm****340 Delivering Value: How Data Startups Are Revolutionizing the Water Sector**

Moderator: T. Ferguson

The water sector is undergoing a fundamental transformation that will define how it develops in the coming decades. That transformation? From "Dumb" to "Smart". We present three companies that

are generating both operational and revenue value for a range of utilities companies, and speak to a national leader in utility operations. Data is critical to good management, but solutions must deliver value to the user. This conversation will cover how, when and why market leaders are using cutting edge technology and information services to solve fundamental problems.

Speakers:

Biju George, COO, DC Water  
Ariel Stern, CEO, Ayyeka  
Allie Janoch, co-Founder, Mapistry  
Pranam Joshi, President & co-Founder, NJBSoft

**12:30 pm - 1:00 pm****341 How the US Department of Energy's Wastewater Accelerator Helps Utilities**

Moderator: A. Dasek

This session gives an overview of an exciting new program from DOE. The DOE's Wastewater Infrastructure Accelerator will work over three years with state, regional, and local agencies that are engaging with water resource recovery facilities in their jurisdiction to accelerate a pathway toward a sustainable infrastructure of the future. The Accelerator aims to catalyze the adoption of innovative and best-practice approaches in data management, technologies, and financing for infrastructure improvement. Partners will seek to improve the energy efficiency of their participating water resource recovery facilities by at least 30 percent and integrate at least one resource recovery measure.

Speaker: A. Dasek

**1:00 pm - 1:30 pm****342 Biogas Impact on Water Resource Recovery Facilities**

Moderator: P. Serfass

Innovations in biogas are greatly impacting the way in which WRRFs provide services. From innovations in emerging and existing technologies, as well as progress in energy markets and recovered resource development and implementation, biogas is playing a key role in effective utility management decisions. The American Biogas Council will provide updates on biogas energy production, incentives for nutrient recovery, and the use of public private partnerships to access tax credits.

Speaker: P. Serfass

**1:30 pm - 2:30 pm****434 The CROC Tank: Imagine H2O Water Start-Ups Pitch to Our Experts**

Moderator: T. Ferguson

These start-ups have won awards, but can they win over our panelists of investors, advisors, industrial, and municipal customers? Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored by Imagine H2O and their winners will be featured.

Expert Panelists:

Jay Iyengar (Xylem)  
David Stanton (Suez North America)  
Nicole Neeman Brady (Edison Water)  
Phil Rolchigo (Pentair)

Companies:

Ayyeka  
Mapistry  
Sourcewater  
NADalyze  
NJBSoft  
APANA

**3:00 pm - 4:00 pm**

**435 The CROC Tank: BlueTech Water Start-Ups Pitch to Our Experts**

Moderator: P. O’Callaghan

These start-ups have won awards, but can they win over our panelists of investors, advisors, industrial, and municipal customers? Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored by BlueTech Research and their winners will be featured.

Expert Panelists:

- Marc Barbeau, Ovivo
- Cindy Wallis-Lage, B&V
- Henry Charrabé, RWL
- Steve Kloos, True North Venture Partners

Companies:

- Spiral Water
- Fathom
- PaveDrain
- OriginClear
- NX Filtration
- Element Six

**4:00 pm - 4:15 pm**

**436 Unveiling the WEF Water Reuse Roadmap**

Moderator: B. Liner

Learn about streamlining your path to implementing water reuse and drink some reuse beer with your closest friends at the unveiling of the WEF Water Reuse Roadmap. Building on the two successful roadmaps, on Energy (2012) and Nutrient Management (2014-2015), WEF is partnering with WaterReuse, WE&RF, and National Water Research Institute (NWRI) to develop the roadmap. Water reuse is a multi-faceted issue and WEF’s specific contribution to the issue via a “maturity model” approach as used in the two existing roadmaps.

**4:15 pm – 5:00 pm**

**437 Potent Potables Smackdown: Reuse for Beer Brewing**

Several cities are already known for their craft beers. Three cities have taken it even farther and are taking water reuse to the ultimate – brewing beer with reused water. This session gives you all the details on how Portland (OR), Milwaukee (WI), and Hillsborough County (FL) overcame barriers and are producing excellent brews. This smackdown will be fun to watch, then stick around and sample the brews at the reception immediately following the session.

**5:00-6:00**

**Reception: Featuring Innovation From Our Federal Colleagues; Sponsored by the Cleveland Water Alliance**

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**WEDNESDAY, 9.28**

9:00 am – 10:00 am	<b>533</b>	Isle Utilities: Lessons Learned From Emerging Technologies and the Utilities Who Adopt Them
10:00 am – 12:15 pm	<b>534</b>	A Celebration of Operator Innovation, Excellence, and Professionalism
12:30 pm – 1:30 pm	<b>536</b>	Innovations From Leading Water Clusters
1:30 pm – 3:00 pm	<b>617</b>	What We Learned About Energy at WEFTEC: Key Takeaways
3:00 pm – 4:00 pm	<b>618</b>	Systems Thinking in the Water Sector

**9:00 am - 10:00 am**

**533 Isle Utilities: Lessons Learned From Emerging Technologies and the Utilities Who Adopt Them**

Moderator: C. Ahmadpour

This panel-style session will kick off with a brief introduction by Isle Utilities, explaining how the Technology Approval Group (TAG) forum exposes emerging technologies to water utilities, and the mutual benefits attained from pilots, trials, and installations. Utilities and technology companies will speak to their perspective of trialing technologies in the field, lessons learned, and considerations, followed by a question-and-answer period with audience members.

**10:00 am - 12:15 pm**

**534 A Celebration of Operator Innovation, Excellence, and Professionalism**

Moderator: D. Houdeshell

The professionalism of wastewater operators is highlighted in myriad ways. Featured in this session are the winners of the Operator Ingenuity Contest, the New Orleans Municipal Employee of the Year, and awardees of the Certified Mission Critical Professional (CMCP) and Professional Operator (PO) designations. This session also includes an overview of Operations Challenge, the premier event at WEFTEC for operators from around the world.

**10:00 am - 11:00 am**

**Operations Ingenuity Contest Winners**

WEFTEC 2016 will host the fifth annual Ingenuity Contest. Not all innovations come from a research lab. Sometimes, you need to tackle a persistent problem using just what’s at hand and a big shot of ingenuity. See the winning inventors give an overview of their solutions. Award winners and select other entries will also be seen in a future Operations Forum section in Water Environment & Technology magazine, but come see them here to show support for our operations professionals and marvel at their ingenious ideas!

Speakers:

- C. Read
- A. Dressel
- Y. Venetsanos and A. Short
- G. Williams

**11:00 am - 11:15 pm**

**New Orleans’ Finest**

For the first time, the New Orleans Municipal Employee of the Year is an operations professional from the Sewerage and Water Board of New Orleans. See how this professional employee exemplifies the dedication of all water and wastewater operators.

Speaker: C. Grant

**11:15 am - 11:30 am****Operations Challenge**

How do operators and technicians overcome flooding, a sewer collapse, process failure and other emergencies? Do you ever wonder what transpires behind the scenes during the operation of a wastewater treatment facility? Some of the best wastewater collection and treatment personnel in the world display their skills at Operations Challenge 2016 on Monday and Tuesday. Come see the Operations Challenge 2016 winners in five events (collection systems, laboratory, process control, maintenance and safety) are acknowledged for their display of the diverse skills required for the operation and maintenance of wastewater treatment facilities, their collection systems and laboratories.

Speaker:  
S. Harrison

**11:30 am - 11:45 am****Certified Mission Critical Professionals: Who Are They?**

What is Mission Critical Operations? A business that relies on continual operation is defined as mission critical. Water and Wastewater facilities are most certainly mission critical! Mission critical operators are individuals whose job is to keep those facilities running and protected. The need for mission critical operators is on the rise. Certified Mission Critical Professional (CMCP) is a high stakes credential being developed by the International Society of Automation through initiatives created under the National Consortium for Mission Critical Operations (NCMCO). This goal of the CMCP is to set a credential that reflects an industry standard for the knowledge base expected from a professional in mission critical operations. This session will give an overview of this exciting certification.

Speaker:  
S. Mustard

**11:45 am - 12:15 pm****Professional Operator: POWER New Orleans**

Moderator: P. Bishop

Professional Operators are a powerful and heroic presence in their communities. These dedicated water and wastewater operators provide us with clean water, safety, and peace of mind; preserve life, Earth, and the environment; and protect our health, families, and communities. By voluntarily choosing to complete the challenging Professional Operator (PO) certification and designation program, operators earn a credential that was designed to be recognized the world-over as the hallmark of expertise in operations. Join us as we celebrate the newest Professional Operators during POWER New Orleans.

Speaker:  
P. Bishop

**12:30 pm – 1:30 pm****536 Innovations From Leading Water Clusters**

Moderator: B. Liner

**12:30 pm – 1:00 pm****Cleveland Water Alliance Presents AquaHacking 2017: United for Lake Erie**

The Cleveland Water Alliance (CWA), in partnership with IBM, AT&T, Gasepe Beaubien Foundation, and DigitalC presents AquaHacking 2017: United for Lake Erie. The water quality data challenge puts environmental and technological innovation to work for water by focusing on Lake Erie and its supporting watersheds, consists of a two-day summit in Cleveland (May 2, 3 of 2017) on water-related data and innovation, and a series of bi-weekly hackathons (data challenge) taking place over two months (March/April 2017) with hacking

teams from each of Lake Erie's major metropolitan areas (Cleveland, Detroit, Toledo, Buffalo), along with Toronto. The program is an opportunity to leverage the public's interest in apps, hacking, open data and new technology to elevate the *value of clean water*, and improve understanding of its importance to the economic vitality of the Great Lakes region. It is also an opportunity to drive innovation in the water technology sector including shared water quality data platforms, and an opportunity to engage younger people pursuing technical careers in the "Blue Economy." The final hacking event and a two-day Conference in Cleveland will feature more than \$100k in prizes.

Speaker: B. Stubbs

**1:00 pm – 1:30 pm****Winning with NEWIN: Updates From Members of the New England Water Innovation Network**

NEWIN provides a panel comprised from its region's leading water-tech innovators. The panel will highlight updates and progress against business and innovation milestones achieved in 2016.

Speaker: M. Gay

**1:30 pm - 3:00 pm****617 What We Learned About Energy at WEFTEC: Key Takeaways**

Moderator: B. Liner

From biogas from biosolids, to the US Department of Energy's wastewater accelerator, to regulatory complexity about the water energy nexus, experts will discuss the lessons learned from all the energy related content at WEFTEC in a wrap up panel discussion. Come hear what DOE, EPA, and WEF experts learned during the week in this interactive session. If you didn't make it to all the energy presentations at WEFTEC, make it to this one and hear some of the fascinating developments on energy.

**3:00 pm - 4:00 pm****618 Systems Thinking in the Water Sector**

Moderator: J. Pyne

Based on a survey of WEFTEC attendees at the Innovation Pavilion from Monday to Wednesday morning, this a discussion of how water professionals score on a Systems Thinking continuum and what the implications are for the future of water infrastructure. Come to this fun session to find out how we "rate"!

Speaker: J. Pyne

# Accelerating Water Technology

A revolutionary change is coming to the water industry—one that will facilitate adoption and integration of innovative technologies faster than ever before. WERF is starting a new Technology Evaluation Program as part of a joint WEF/WERF initiative called LIFT (Leaders Innovation Forum for Technology).

We will pull together the best scientific minds and industry specialists to collaboratively screen, evaluate, and integrate new technologies to meet facility owner needs. In the process, utilities and industry will gain:

- A credible, well-documented vetting system to screen new technologies and processes
- The ability to more rapidly deploy new technologies and remove existing impediments
- Mitigation of the risk and cost of innovative technology deployment through collaborative partnerships
- Peer-reviewed information about available/emerging technologies

Visit [www.werf.org](http://www.werf.org) and [www.wef.org](http://www.wef.org) to learn more today.



# IMAGINE | | H<sub>2</sub>O

*The water innovation accelerator*

8th Annual Program

## DATA INNOVATION CHALLENGE

Applications due November 7, 2016

Meet Imagine H<sub>2</sub>O's 2016 cohort companies at the WEFTEC Innovation Pavilion

[www.ImagineH2O.org](http://www.ImagineH2O.org)

 @ImagineH2O

## The definitive source of insight, data and news

Visit Us in the Innovation Pavilion Booth #358



[www.bluetechresearch.com](http://www.bluetechresearch.com)

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