

Jacobs Workshops at WEFTEC 2021—Sunday, 10/17

Workshop Session		Workshop Time	Room Location (<i>McCormick Place</i>)
Presentation Time	Presentation Title	Jacobs Presenter Name	
Sunday, 10/17			
	<u>W04 Understanding PFAS: Developing Management Practices and Treatment Options for Industry</u>	8:30 am—5:00 pm	N426b
10:00—10:30 am	Speaker	<i>Todd Williams</i>	
	<u>W08—WEF/WRF Dewatering Optimization: Practical Ways to Improve Performance</u>	8:30 am—5:00 pm	S502
	Workshop Chair	<i>David Oerke</i>	
2:00—2:30 pm	State-of-the-Practice in Biosolids/Polymer Blending: FWHWRC Gwinnett County Case Study	<i>David Oerke</i>	
	<u>W10—Pathogens and Microconstituents: Recent Scientific and Technology Updates</u>	8:30 am—5:00 pm	S401bc
	Workshop Chair	<i>Jenny Reina</i>	
	Speaker	<i>Larry Schimmoller</i>	

Jacobs Workshops & Technical Sessions at WEFTEC 2021—Monday, 10/18

Workshop Session		Workshop Time	Room Location (<i>McCormick Place</i>)
Presentation Time	Presentation Title	Jacobs Presenter Name	
Monday, 10/18			
	<u>W15—Odor Control for Positive Public Relations</u>	1:30 pm—5:00 pm	S104
	Workshop Chair	<i>Scott Cowden</i>	
	<u>W17—How to Increase Diversity and Foster Inclusion in Your Organization</u>	1:30 pm—5:00 pm	S102c
	Workshop Chair	<i>Victoria Johnson</i>	
	<u>PFAS 101: Intro to the Forever Chemicals</u>	1:30 pm—3:00 pm	S401
	Lead Facilitator	<i>Jenny Reina</i>	
2:10—2:25 pm	PFAS in Wastewater: Treatment Technologies Overview	<i>Scott Grieco</i>	
	<u>The People Side of Stormwater Management</u>	1:30 pm—3:00 pm	N426
1:30 pm—1:50 pm	One Water Approaches to a Regional Stormwater Management Program in Northeast Ohio	<i>Joseph Danyluk</i>	

Jacobs Technical Sessions at WEFTEC 2021—Tuesday, 10/19

Technical Session		Session Time	Room Location (McCormick Place)
Presentation Time	Presentation Title	Jacobs Presenter Name	
Tuesday, 10/19			
	<u>Advancements in Primary Treatment: Going Beyond the Conventional</u>	11:00 am—12:00 pm	S405
	Moderator		<i>Arifur Rahman</i>
	Moderator		<i>Tim Constantine</i>
	Assistant Moderator		<i>Arifur Rahman</i>
	<u>Digital Twins: Trial by Jury</u>	11:00 am—12:00 pm	N426
11:00—11:15 pm	Digital Twin Development Implementation, and Results for the Changi WRP, Singapore		<i>Bruce Johnson</i>
	<u>Finding and Removing I/I</u>	1:30 pm—3:00 pm	S502
2:30 pm—2:50 pm	Implementation of a Private Lateral Inflow and Infiltration Pilot Study		<i>Michelle Collins</i>
	<u>Embracing the Uncertain Part II: Applications of Uncertainty Analysis at WRRFs</u>	4:00 pm—5:30 pm	S405
4:00 pm—5:30 pm	Embracing the Uncertain: Fundamentals and Applications of Uncertainty Analysis at Water Resource Recovery Facilities		<i>Bruce Johnson & Colin Fitzgerald</i>
	<u>Chemical Disinfection Solutions</u>	4:00 pm—5:30 pm	Booth 4205, South Hall A
	Moderator		<i>Matt Noesen</i>

Jacobs Technical Sessions at WEFTEC 2021—Wednesday, 10/20

Technical Session		Session Time	Room Location (McCormick Place)
Presentation Time	Presentation Title	Jacobs Presenter Name	
Wednesday, 10/20			
	<u>Taking MBR Into Next Level</u>	8:30 am—9:30 am	S505
	Moderator		<i>Arifur Rahman</i>
8:30 am—8:45 am	A Practitioner’s Perspective on the Design of Large Membrane Bioreactor Facilities		<i>Tim Constantine</i>
	<u>System Resiliency: Preparing Our Utilities for the Future</u>	8:30 am—10:00 am	S402
8:30 am—8:50 am	A Tale of Three Cities or Why One Resilience Size Does not Fit All		<i>Kerstin Kenty</i>
	<u>Microconstituents and CECs in Reuse</u>	8:30 am—10:00 am	N426
8:52 am—9:07 am	City of Tracy Disinfection Process Considerations for Compliance with Title 22 For Recycled Water Production		<i>Jenny Reina</i>

Jacobs Technical Sessions at WEFTEC 2021—Wednesday, 10/20

Technical Session		Session Time	Room Location <i>(McCormick Place)</i>
Presentation Time	Presentation Title	Jacobs Presenter Name	
Wednesday, 10/20			
<u><i>Innovation in Asset Portfolio Decision Making</i></u>		8:30 am— 9:30 am	S402
9:10 am—9:30 am	A Case Study: Machine Learning and Scripting to Improve Capital Planning Optimizations	<i>Daniel Baldwin</i>	
9:10 am—9:30 am	A Case Study: Machine Learning and Scripting to Improve Capital Planning Optimizations	<i>Anjulie Cheema</i>	
<u><i>N2O Emissions from Water Resource Recovery Facilities</i></u>		11:00 am—12:00 pm	S403
11:45 am—12:00 pm	Assessing N2O production and short-cut nitrogen removal in Post Aerobic Digestion through enhanced monitoring and advanced process modeling	<i>Colin Fitzgerald</i>	
<u><i>Microplastics: Whose Issue Is This?</i></u>		11:00 am—12:30 pm	S501
	Lead Facilitator	<i>Madeleine Fairley-Wax</i>	
<u><i>New Hydraulic Model Calibration Techniques</i></u>		11:00 am—12:30 pm	S504
11:00 am—11:15 am	Improving Efficiency of Model Calibration with Response Surface Characterization and Multi-Objective Optimization	<i>William McMillin</i>	
<u><i>Building a Successful Wastewater-based Epidemiology (WBE) Program</i></u>		1:30 pm—3:00 pm	S501
1:30 pm—1:50 pm	Wastewater-based Epidemiology Early Warning Systems and Public Health	<i>Tim Constantine</i>	
1:30 pm—1:50 pm	Wastewater-based Epidemiology Early Warning Systems and Public Health	<i>Susan Moio</i>	
1:30 pm—1:50 pm	Wastewater-based Epidemiology Early Warning Systems and Public Health	<i>Nino Kharashvili</i>	
<u><i>Biogas: Market-based Decisions for Resource Recovery</i></u>		1:30 pm—2:30 pm	S502
2:00 pm—2:15 pm	Development of an Integrated Resource Recovery Strategy for the 630 ML/d Duffin Creek Water Pollution Control Plant	<i>Emma Shen</i>	
<u><i>Wet Weather Treatment Innovations</i></u>		1:30 pm—3:00 pm	S504
2:20 pm—2:30 pm	First of Its Kind Multi-Tiered Wet Weather Flow Management at a Trickling Filter Facility	<i>John Siczka</i>	