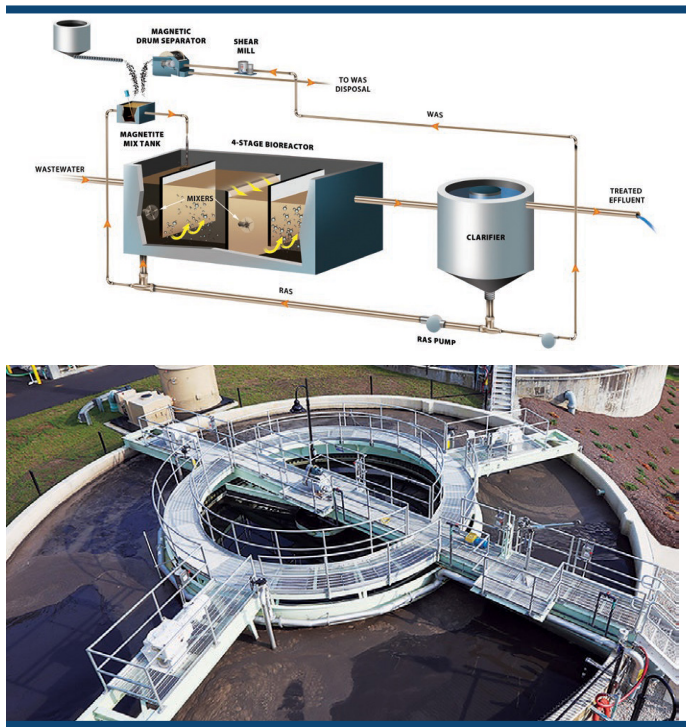


# 3<sup>rd</sup> Annual RMWEA Innovation Seminar

A full day of presentations from industry leaders and thought provoking discussions on the latest innovative technologies in the wastewater industry



**Thursday, June 29, 2017 • 8:00am - 4:30pm**

*(Check-in opens at 7:30 am)*

Wellshire Event Center | 3333 South Colorado Boulevard | Denver, CO 80222

REGISTRATION LINK: [www.rmwea.org/innovation\\_seminar.php](http://www.rmwea.org/innovation_seminar.php)

MEMBERS: **\$100** • NON-MEMBERS: **\$135** • STUDENTS: **FREE**

*Breakfast, lunch, and snacks provided*

*Non-Member Registration includes 1-year associate RMWEA membership*

*Scholarships for small utilities available, please contact Sean O'Connell at [soconnell@brwncald.com](mailto:soconnell@brwncald.com)*

*Training Units (TU) Available*

# Join us for an in-depth look into the latest innovative wastewater technologies being applied to the municipal sector today

Block Description		Water TU	Wastewater TU	Industrial TU
8:00 AM	Check-in, buffet breakfast			
8:30 AM	Welcome, Introduction, Announcements Presenter: Bryan Coday, P.E., Carollo Engineers & Sean O'Connell, P.E., Brown and Caldwell			
<b>Topic: Granular Sludge</b>				
8:45 AM	TITLE: <b>Aerobic Granular Sludge: An Innovative Wastewater Treatment Solution</b> PRESENTER: Brian Bates, AquaNereda® Product Channel Manager, Aqua-Aerobic Systems, Inc.		0.05	
9:30 AM	TITLE: <b>Gravimetric selection of activated sludge microorganisms for improvements in settling and biological phosphorus removal – Heading towards granular sludge</b> PRESENTER: Chandler Johnson, Chief Technology Officer, World Water Works		0.05	
9:50 AM	BREAK			
<b>Topic: Thermal Hydrolysis</b>				
10:05 AM	TITLE: <b>Next Generation Thermal Hydrolysis Process - High Solids THP</b> PRESENTER: Brad Mrdjenovich, Kruger/Veolia		0.05	
10:45 AM	TITLE: <b>Using Thermal Hydrolysis to Optimize Biosolids Processing</b> PRESENTER: Bill Barber, Cambi		0.05	
<b>Topic: Big Data and the Internet of Things</b>				
11:25 AM	ROUNDTABLE DISCUSSION - <b>Big Data and the Internet of Things as it pertains to Innovations in Wastewater Treatment and Treatment Technologies</b>	0.05	0.05	
12:00 PM	LUNCH			
<b>Topic: Phosphorus Recovery</b>				
12:45 PM	TITLE: <b>Utilizing Pilot Testing and Whole Plant Modeling for Practical Evaluation of Phosphorus Recovery Benefits</b> PRESENTER: Blair Wisdom, Process Engineer, Metro Wastewater Reclamation District (MWRD)		0.10	
<b>Topic: DNA Sequencing and Process Applications</b>				
1:35 PM	TITLE: <b>Using Microbial Profiling in Biological Process Design</b> PRESENTER: Lauren Lundquist and Steve Tamburini, Tetra Tech	0.05	0.05	0.05
<b>Topic: Process Intensification</b>				
2:10 PM	TITLE: <b>Process Intensification Overview and Case Study</b> PRESENTER: Toshio Shimada, Ph.D., Carollo Engineers, Inc.	0.05	0.05	
2:50 PM	BREAK			
3:05 PM	TITLE: <b>Intensification of Treatment Using a Ballasted Activated Sludge Process for Maximum Capacity and Nutrient Removal</b> PRESENTER: Jose Jimenez, Ph.D., P.E. Brown and Caldwell		0.05	
<b>Topic: Practical Considerations for Innovation Research and Testing</b>				
3:45 PM	TITLE: <b>A case study: What does it take to pilot innovative technologies at full-scale?</b> PRESENTERS: Kurt Carson, Metro Wastewater Reclamation District (MWRD), and Daniel Freedman, P.E., MWH/Stantec	0.05	0.05	
<b>Wrap-up</b>				
4:15 PM	Roundtable/Wrap-up Discussion			
4:45 PM	Closing			
4:50 PM	Networking/Happy Hour			
<b>Total TU Credits</b>		<b>0.20</b>	<b>0.55</b>	<b>0.05</b>