

# Technical Agenda at a Glance

# 97th MWEA Annual Conference



MONDAY, JUNE 13, 2022		
<b>OPENING SESSIONS</b>		
8:30 - 8:35 AM	President's Welcome	Joel Davenport, Holland BPW
8:35 - 8:50 AM	Dan Wolz Legacy & 5-S	Mike Harvey, Donohue & Associates
8:50 - 9:20 AM	News from the Field	Steve Aiken, Duperon Corp.
9:20-9:40 AM	WEF Address	Keith Hobson, WEF
9:40-10:00 AM	EGLE Update	Teresa Seidel, EGLE
10:00-10:50 AM	Keynote: Engineering Like an Actor	Tom Kunetz, Mosley   Kunetz Workshops
10:50-11:15 AM	Ops Challenge Team Brown Trout Presentation & Demo	Chad Nichols, SCCMUA Brad Gurski, SCCMUA Matt Griffith, City of Charlotte Scott Perry, City of Charlotte Matt Mitschke, City of Charlotte
<b>TRACK 1A: MUNICIPAL WASTEWATER TREATMENT PROCESS &amp; DESIGN</b>		
1:00-1:30 PM	Preparation for the Uncertain, Tools to Build with Certainty	Adam DeYoung, Moore & Bruggink Todd Wibright, City of Grandville
1:30-2:00 PM	Repurposing Infrastructure for Phosphorus Removal: Developing Design Guidelines for S2EBPR	Leon Downing, Black & Veatch
2:00-2:30 PM	Great Lakes Water Authority Reduces Secondary Treatment Operating Costs	Michael Painter, Emerson Process Management Zaki Shalhout, Great Lakes Water Authority
2:45-3:15 PM	Polymer/Flocculant 101: Fundamentals in Thickening and Dewatering	Yong Kim, UGSI Solutions, Inc.
3:15-3:45 PM	Odor Control Master Plan: An Approach to Understand and Mitigate Odors	Joshua Prusakiewicz, HDR
<b>TRACK 1B: COLLECTIONS</b>		
1:00-1:30 PM	Collection Systems Hydraulic Models & Control	Michael Lunn, Primodal
1:30-2:00 PM	Winning the War Against Wipes	Chris Downey, JWC Environmental
2:00-2:30 PM	Warren's SSO Elimination Program: Where Goes the Inflow?	Sean Grant, METCO Bryan Clor, City of Warren
2:45-3:15 PM	City of Muskegon Glenside Neighborhood Rethought	Matthew Hulst, Prein&Newhof
3:15-3:45 PM	Meeting Consent Decree Cleaning and CCTV Schedule Using City and Contractor Crews in Cleveland Heights	Matthew St. Pierre, Wade Trim Collette Clinkscale, City of Cleveland Heights
<b>TRACK 1C: STORMWATER &amp; WATERSHED</b>		
1:00-1:30 PM	The Final Phase - Completing Norwaldo Neighborhood Green Infrastructure	Robert Page, HNTB
1:30-2:00 PM	Mt Pleasant SW Master Plan/CIP	Elaine Venema, Fleis & VandenBrink
2:00-2:30 PM	Latest & Ongoing Changes to the Dam Safety Program	Dan DeVaum, EGLE
2:45-3:15 PM	EGLE Dam Safety Program and Edenville/Sanford Lake Update	Dan DeVaum, EGLE Luke Trumble, EGLE
3:15-3:45 PM	Stormwater Utilities in Michigan: Caselaw & Legislative Update   Best Practices for a Successful Program	Greg Kacvinsky, OHM Advisors Nancy Russell, OHM Advisors

TUESDAY, JUNE 14, 2022		
<b>TRACK 2A: CASE STUDIES</b>		
8:15-8:45 AM	Application of Wastewater-Based Epidemiology to Support Early Detection of COVID-19 in Small Detroit Sewersheds	Carrie Turner, LimnoTech Bill Shuster, Wayne State University Jeff Ram, Wayne State Univ.
8:45-9:15 AM	West Bloomfield Township LIFT Improvements	Brian Bachler, DLZ Corporation Ed Haapala, West Bloomfield Township
9:15-9:45 AM	A Project 25 years in the Making: City of Wyoming CWP UV Disinfection Upgrades	Britton Evans, Black & Veatch
10:00-10:30 AM	Important Technical Considerations in the Application of a Biogas CHP Plant	Matthew Quinn, Siemens Energy
10:30-11:00 AM	Part 1 of 2: A Model of Success? SCCMUA Facilities Master Planning	Brad Gurski, SCCMUA Jarod Stuyvesant, Moore & Bruggink Pete Cavagnaro, WRR Solutions
11:00-11:30 AM	Part 2 of 2: A Model of Success? SCCMUA Facilities Master Planning	Brad Gurski, SCCMUA Jarod Stuyvesant, Moore & Bruggink Pete Cavagnaro, WRR Solutions

TRACK 2B: SUSTAINABILITY: ENVISION WORKSHOP		
8:15-8:45 AM	Welcome, Intro & Workshop Agenda	Jarod Stuyvesant, Moore & Bruggink
8:45-9:15 AM	Envision 101 & 201	John Phillips, Parametrix
9:15-9:45 AM	Interactive Session 1 - Envision Self-Assessment	John Phillips, Parametrix
10:00-10:30 AM	Interactive Session 1 - Review and Feedback	John Phillips, Parametrix
10:30-11:00 AM	Case Study 1 - Using Envision in Your Capital Portfolio	TBD
11:00-11:30 AM	Case Study 2 - Using Envision for a Project	Sam Bender, Holland BPW
<b>TRACK 2C: PFAS</b>		
8:15-8:45 AM	State of the Science: PFAS Sampling Guidelines, Data Gaps, and Frequency of Cross-Contamination	Taryn McKnight, Eurofins Environment Testing America
8:45-9:15 AM	Michigan's Unique Collaborative Structure to Address PFAS	Christine Kosmowski, Michigan Department of Agriculture and Rural Development
9:15-9:45 AM	AECOM - Statewide PFAS Assessment of WWTPs and Biosolids in Michigan	Dorin Bogdan, AECOM
10:00-10:30 AM	In-depth Characterization of PFAS in Wastewater, a More Comprehensive Analysis	Taryn McKnight, Eurofins Environment Testing America
10:30-11:00 AM	Characterizing and Mitigating PFAS at Manufacturing Facilities	Michael Ellis, Barr Engineering
11:00-11:30 AM	Leachate Treatment System Design and Operation at a Closed Landfill: A Michigan Case	Jonathan Sowder, Fleis & VandenBrink Molly Sherwood, Kent County DPW Mike Vander Ploeg, Fleis & VandenBrink
<b>TRACK 3A: PROCESS CONTROL/PROCESS DESIGN</b>		
1:30-2:00 PM	How New SCADA Technology is helping Municipalities	Kenneth Wesley, UIS SCADA COO John Patry, Team UIS
2:00-2:30 PM	Transitioning from Plant-Wide to System-Wide SCADA Systems Using Secure and Robust Remote Data Connections	Vicki McCorkle, Hazen & Sawyer
2:45-3:15 PM	Adaptable, Mechanically Cleaned Bar Screen Optimizes Hydraulics in Any Condition, Creating Resilient Wastewater Treatment	Steve Aiken, Duperon Corp.
3:15-3:45 PM	Sidestream Control	Dave Connors, Waterworks Systems & Equipment
3:45-4:15 PM	Upgrading Lagoon Based Treatment Systems to Meet More Stringent Limits for BOD, TSS and Nutrient Removal	Mark Rasor, Lemna Environmental Technologies
<b>TRACK 3B: RESEARCH, INNOVATION &amp; FUTURE INSIGHTS</b>		
1:30-2:00 PM	The Microplastic Monster	Christine Wood, Donohue & Associates
2:00-2:30 PM	Class "A" LysteGro Production at SHVUA WWTP	Mark Houle, Jacobs Nathan Callison, Jacobs Andy Mechel, Jacobs Tom Johnson, Jacobs Noah Bednar, Hubbell Roth & Clark
2:45-3:15 PM	Compressed Gas Mixing and Inline Fermentation Enhances Biological Phosphorus Removal	Tyler Kunz, EnviroMix, Inc. Bryan Clor, City of Warren
3:15-3:45 PM	Everything You Want to Know About Biosolids Drying	Aric Bergstrom, Donohue & Associates
3:45-4:15 PM	Application of Wastewater-Based Epidemiology to Support Early Detection of COVID-19 in Small Detroit Sewersheds	Carrie Turner, LimnoTech Bill Shuster, Wayne State Univ. Jeff Ram, Wayne State Univ.
<b>TRACK 3C: DIVERSITY, EQUITY, INCLUSION &amp; BELONGING LEADERSHIP WORKSHOP</b>		
1:30-2:45 PM	Unconscious Bias: A Quiet Performance Killer	Dr. Tyrone A. Holmes, T.A.H. Performance Consultants, LLC
3:00-4:15 PM	Unconscious Bias: Uncomfortable Conversations	Dr. Tyrone A. Holmes, T.A.H. Performance Consultants, LLC

WEDNESDAY, JUNE 15, 2022		
<b>CLOSING SESSIONS</b>		
8:30-8:40 AM	President's Closing Remarks	Elaine Venema, Fleis & VandenBrink
9:00-9:30 AM	Dan Wolz Education Grant Winner Presentations	Grant Winners
9:30-10:00 AM	General Infrastructure Funding & Government Affairs Update	Mike Compagnoni, Midwest Strategy Group
10:00-10:30 AM	Update on MWEA Legislative Activities	Greg Kacvinsky, OHM Advisors Mike Compagnoni, Midwest Strategy Group
10:45-11:45 AM	WEF Open Forum: Workforce Development	Keith Hobson, WEF
11:45-12:15 PM	Preventing Injuries - One Person at a Time	Gary Timmer, Veolia

**\*\*Session topics and/or presenters may be subject to change.\*\***