

2023 ENGINEERING SYMPOSIUM IN ROCHESTER

www.engineeringsymposiumrochester.com

April 25, 2023

PDH hours will be acceptable in New York State. Schedule subject to change.

7:30 to 8:15	Registration and Continental Breakfast				
8:15 to 8:30	Welcoming Remarks: Chris Devries, Chair of the 2023 ESR Committee				
	Civil Engineering Sponsored by ASCE/NYSATE	Mechanical Engineering Sponsored by ASME	Electrical Sponsored by IEEE	Mechanical/Plumbing/Fire Protection Sponsored by ASHRAE /ASPE	Lighting and Power Sponsored by IES
Room	A/K	B/I	C/H	D/G	E/F
8:30 to 9:30	<p>The right tool for the job: Understanding project limitations to maximize the earth retention.</p> <p>Robert Ross, PE, & David Pecorini, PE</p>	<p>Title: Non-metallic Piping Sealing Challenges</p> <p>Matt Tones</p>	<p>EV-Chargers, Present And Future</p> <p>Sreeram Dhurjaty, PhD, SMIEEE, Distinguished Speaker, IEEE</p>	<p>Ground Source Heat Pump Systems: For a More Sustainable Future</p> <p>Tom Piekunka</p>	<p>Life Safety through HVAC Security and System Resilience</p> <p>Angela Waters</p>
9:30 to 9:45	Break				
9:45 to 10:45	<p>RGRTA Zero Emission Bus Project</p> <p>David P. Belaskas, P.E., RGRTA</p>	<p>Title: Chain Reaction– Cycling for Climate Change Mitigation</p> <p>William J. Bishop, PE</p>	<p>Static Electricity Industrial Hazards and Mitigations</p> <p>Kelly Robinson, PE, PhD</p>	<p>Rethink Water Heating</p> <p>Chris Anderson</p>	<p>Cured in Place Pipe (CIPP) Rehabilitaion</p> <p>Jeffrey Gardiner</p>
10:45 to 11:00	Break				
11:00 to 12:00	<p>Monroe County Strategic Energy Management</p> <p>B. Andrew Fraser, Engineering Operations Manager, MCDES, Corky Kelsey, Chief Operator, MCDES</p>	<p>Title: PP-R/PP-RCT Systems for Potable & Process Piping</p> <p>Roger Stolting and Brett Pavear</p>	<p>Applying AC Drives</p> <p>Kevin Diehl</p>	<p>Design and Sizing Considerations for Oil Separators</p> <p>Emily Miller and Randy Schafer</p>	<p>ATS Fundamentals. A Basic Understanding Of Types, Vocabulary And Functions</p> <p>William Schneeloch</p>
	- OVER -				

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GRAND BALLROOM					
Lunch and Keynote Program: ASCE NYS INFRASTRUCTURE REPORT CARD John Folts, PE, MASCE Overview of the ASCE NYS Report Card grades that were released in 2022					
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Room	A/K	B/I	C/H	D/G	E/F
12:00 to 1:30					
1:30 to 2:30	Rochester's I-390/I-490 Major Interchange Improvement Project - Phases 1 & 2 Mark J. Pawloski, P.E., Paul J. Spitzer, P.E.	Title: A Practical Look at Gears and Reducers, and their most common problems. Presented by Neville W. Sachs, P.E.	Paralleling Concepts Michael Hainzl	Value Engineering (PVC vs Cast Iron) Sal Terranova	Design/Build Of A Helium Recovery, Compression, Purification & Liquefaction System Jeffrey Gardiner
2:30 to 2:45	Break				
2:45 to 3:45	Rochester's I-390/I-490 Major Interchange Improvement Project - Phase 3 & 4 Rob Schiller, PE, Erdman Anthony and/or Chris Sichak, PE, Erdman Anthony	Multi-spectral imaging and Artificial Intelligence to Detect Breast Cancer Satish Kandlikar	Reliability Concepts Michael Hainzl	Are your Buildings and its Systems Designed, Installed and Functioning Properly? Code Requirements, Common Mistakes, and Best Practices from an Engineer's Perspective Chonghui Liu, PE, CEM, LEED AP	Genset Natural Gas Piping Design Steven Huber
3:45 to 4:00	Break				
4:00 to 5:00	Celebrating Public Space with the ROC the Riverway's Rundel Library North Terrace Project Susan Matzat, PE; LaBella Associates, DPC	Cannabis: The Application Zachary Chenier	From Sand to Solar Farms: Silicon Photovoltaics enters Terawatt Era Dr. Santosh Kurinec	Electrification of Legacy Central Heating Plants Jim Parks	Back to basics: a Beginner's Introduction to Lighting. Michael Trippe
5:00 to 7:00	Cocktails and Conversation - Riverside Court				