

# The Capital District's Celebration of National Engineers Week 2024

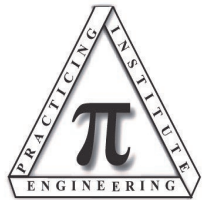
## Seminar Day Schedule

Thursday - February 15, 2024 - Virtual

For more information, call Jennifer Miller at (518) 577-1132 or email: [jamiller@nysspe.org](mailto:jamiller@nysspe.org)

SEMINARS				
Times	Virtual A	Virtual B	Virtual C	Virtual D
	Bridge & Ethics	Concrete	Chemical & Environmental	Structural / Environment
Moderator 1:	Andrea Riedman	Don Streeter	Jeff Marx	John Golde
Moderator 2:	Jeff Bak	Craig D'Allaird	Mark Ritter	Phillip Sutter
8:00am -9:00am	Superbox – NYSDOT's Preparation and Response to Flooding, Deterioration, and Unscheduled Culvert Replacements  By Brenda Crudele, PE & Jason Crandall (1 PDH)	Concrete Pavement for Intersections and Roundabouts  By Luke McHugh, PE (1 PDH)	Overview of Water/Wastewater Chemicals  By Tim Clayton (1 PDH)	Carbon Reduction: Tales from the Trenches  By Jim D'Aloisio, PE (1 PDH)
Moderator 1:	Andrea Riedman	Don Streeter	Jeff Marx	John Golde
Moderator 2:	Jeff Bak	Craig D'Allaird	Mark Ritter	Phillip Sutter
9:30am - 10:30am	Rehabilitation of the Brockport and Albion Lift Bridges over the Erie Canal  By Isabel McLeod, PE & Jack Hess, PE (1 PDH)	Concrete Pavement Preservation: The Key to Long Life Pavements  By Nicholas Davis (1 PDH)	Proper Application of Chemical and Industrial Tanks  By Jay Frenette (1 PDH)	Archaic, Low-Carbon Structural Systems  By Jim D'Aloisio, PE (1 PDH)
Moderator 1:	Andrea Riedman	Don Streeter	Jeff Marx	John Golde
Moderator 2:	Jeff Bak	Craig D'Allaird	Mark Ritter	Phillip Sutter
11:00am - 12:00pm	Ethics and Design Professional Practice for the New York State Professional Engineer Licensee  By Eric Greppo, PE & Len Woods, PE (1 PDH) <b>ETHICS</b>	How Lightweight Concrete Masonry Units Enhance Every CMU Wall Property  By Nicholas Carparelli (1 PDH)	Undeniably Sustainable  By Trygve Hoff, PE, ENV SP (1 PDH)	Love Canal: Before Then, Then and Now  By Steven Scharf, PE (1 PDH)
12:00pm - 1:30pm	Lunch 12:00 - 1:30 P.M. <b>LUNCH</b>			
	Virtual A	Virtual B	Virtual C	Virtual D
	Structural & Sustainability	Mech/Env	Other	Energy
Moderator 1:	Andrea Riedman	Don Streeter	David Smith	Mark Ritter
Moderator 2:	Jaff Bak	CJ Carus	Jeff Marx	John Golde
1:30pm - 2:30pm	Engineered Wood Products in mid-rise Structures  By Drexel Hermann, PE (1 PDH)	Introduction to Composites  By Brett Kimball, PE (1 PDH)	Get Alarmed about Carbon Monoxide  By Todd Crawford (1 PDH)	Introduction to Power System Challenges and Protection in the Renewable Energy Future  By Kevin Diehl & Peter Woodin (1 PDH)
Moderator 1:	Andrea Riedman	Don Streeter	David Smith	Mark Ritter
Moderator 2:	Jaff Bak	CJ Carus	Craig D'Allaird	John Golde
3:00pm - 4:00pm	Intro to New York State Buy Clean Concrete Guidelines  By Mariane Jang (1 PDH)	Heating Cable Application  By Rob Zerrillo (1 PDH)	Designing a Ski Lift  By Neville Sachs, PE (1 PDH)	CLCPA Achievement and Transmission Policy Planning  By Tom Vaccaro & Jeff Maher (1 PDH)

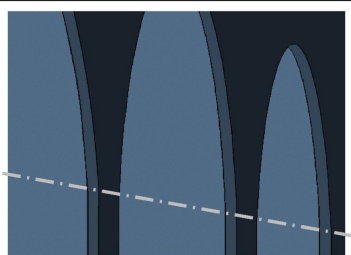
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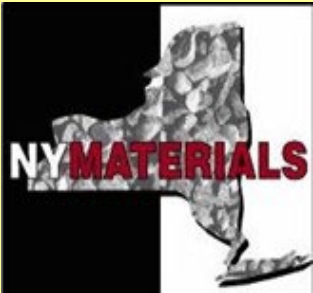
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Registration is necessary for the event.  
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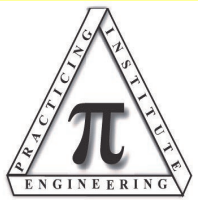
Seminar Day Schedule

Friday - February 16, 2024 - Virtual

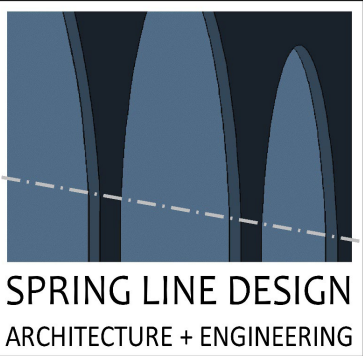
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SEMINARS						
	Times	Virtual A	Virtual B	Virtual C	Virtual D	Virtual E
		Structural	Environmental	Civil	Electrical	Transportation
	Moderator 1:	Andrea Riedman	Jeff Marx	Craig D'Allaird	John Golde	Don Streeter
	Moderator 2:	Phillip Sutter		Jeff Bak	Mark Ritter	Gary Raylinsky
8:00am -9:00am		Hot Dipped Galvanizing Myths and Facts By Frank Gerace (1 PDH)	Stormwater 1-2-3: SWPPP Prep and SPDES Permit Steps By Ellen Hahn Kubek, CPESC, CPSWQ, (1 PDH)	Critical Factors of Storm Water Management By Michael Fortuna (1 PDH)	IEEE 2800 Compliance Verification for Inverter-Based Transmission-Connected Resources By Reigh Walling (1 PDH)	Airport Security Design for Engineers By Joseph Englot, PE (1 PDH)
	Moderator 1:	Andrea Riedman	Jeff Marx	Craig D'Allaird	John Golde	Don Streeter
	Moderator 2:	Phillip Sutter		Jeff Bak	Mark Ritter	Gary Raylinsky
9:30am - 10:30am		Cracking the Post-Installed Anchor Codes By Derek Gilbert, PE (1 PDH)	An Engineer's Toolbox for Coastal Protection By Peter Hanrahan (1 PDH)	Increasing Roadway Performance with Geogrids By Doug McClusky (1 PDH)	Harmonics: Designing for Critical Loads By Chris Alexopoulos (1 PDH)	Asphalt – Latest/Greatest in the Asphalt World By Bruce Barkevich (1 PDH)
	Moderator 1:	Andrea Riedman	Jeff Marx	Craig D'Allaird	John Golde	Don Streeter
	Moderator 2:	Phillip Sutter		Jeff Bak	Mark Ritter	Gary Raylinsky
11:00am - 12:00pm		Drill Your Concrete Anchor Designs the First Time! By Derek Gilbert, PE (1 PDH)	Transitioning the NY/NJ Regional Transportation System to "Net-Zero" Greenhouse Gas Emissions (Why and How?) By Joseph Englot, PE (1 PDH)	Mitigating Climate Change Effects on Municipal Infrastructure By Craig Coggins (1 PDH)	Using Probing Input Signals for Enhanced Power Grid Monitoring and Control By Luigi Vanfretti, PhD (1 PDH)	Asphalt – Meeting Environmental Challenges By Bruce Barkevich (1 PDH)
Lunch 12:00 - 1:30 P.M. <b>Lunch</b>						
12:00pm - 1:30pm		Virtual A	Virtual B	Virtual C	Virtual D	Virtual E
		Buildings	Environmental	Civil	Electrical & Mechanical	Transportation & Ethics
	Moderator 1:	CJ Carus	Jeff Marx	Andrea Riedman	John Golde	Don Streeter
	Moderator 2:	Phillip Sutter	Craig D'Allaird	Jeff Bak	Mark Ritter	Gary Raylinsky
1:30pm - 2:30pm		Advanced Manufacturing Warehouse Conversion By Andrew Bradley, PE & Peter Rand, PE (1 PDH)	Capitalizing on Innovation: NYSDOT Mini-Forest Pilot By Phyllis Elgut, Christian Keller, & Connor Sullivan (1 PDH)	Are "Pay-If-Paid" Clauses Codifying Contractual Harshness? By Ashraf Ghaly, PE, PhD (1 PDH)	Shaft Grounding in Electric Motors By Andy Kressbach (1 PDH)	Methods and Tools in Planning Rail Passenger Services By Wes Coates, FCIRO (1 PDH)
	Moderator 1:	CJ Carus	Jeff Marx	Andrea Riedman	John Golde	Don Streeter
	Moderator 2:	Phillip Sutter	Craig D'Allaird	Jeff Bak	Mark Ritter	Gary Raylinsky
3:00pm - 4:00pm		One piece of the puzzle to Carbon Neutral Buildings - Code Requirements and Best Practices about Building System Controls from an Engineer's Perspective By Chonghui (CL) Liu, PE, CEM, LEED AP (1 PDH)	Effective Soft Armor Alternatives to Rock for Permanent Erosion Control By Tim Lancaster (1 PDH)	Plastic Stormwater Chambers Ideal Uses By Taylor Abbott (1 PDH)	Enhancing HVAC Systems with Fan Array Technology By Steven Cavanah, PE (1 PDH)	The Intent In Engineering Design: Why Is The Road to Hell Paved With Good Intentions? By Ashraf Ghaly, PE, PhD (1 PDH) <b>ETHICS</b>

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