

# The Capital District's Celebration of National Engineers Week 2018

## Seminar Day Schedule


Thursday - February 15, 2018 - Albany Marriott, Wolf Rd., Albany, NY

For more information, call Jennifer Miller at (518) 577-1132 or visit [www.capitaldistrictweek.org](http://www.capitaldistrictweek.org)

NYS Ethics Requirements: Each Registered Professional Engineer is Required to earn one (1) ethics PDH during each registration period. This is one credit every three years.

Special Thanks to our Platinum Sponsor:



		SEMINARS									
Foyer	Times	Albany Room	Colonie Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H
		Energy		Environmental		Geotechnical		Model Bridge Competition		Civil	
		Moderator(s): Art Depoian & Tricia Cioni		Moderator(s): Jenny Lippmann & Jeff Marx		Moderator(s): Tom Lincoln		Moderator(s): Stephanie Winkelhake		Moderator(s): John Golde & Lou Tomaino	
Exhibits in Foyer and Troy and Schenectady Rooms 8:00 AM - 4:00 PM	8:00am - 9:00am	Design & Control of a Floor Heating System Supplied by a Pellet-Fueled Boiler By John Siegenthaler, PE (1 PDH)		Raingarden & Bioswale Implementation at Lake Erie Beaches By James Taravella, PE, ENV SP (1 PDH)		Geotechnical Construction, Rigid Inclusions By David Mazzei (1 PDH)		Maintaining Historic Aesthetics While Addressing Safety & Structural Integrity By Gerard Sentz & Vance Carpenter (1 PDH)		High School Model Bridge Competition By Kevin Diehl (1 PDH)	
	9:00am - 9:30am	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>									
	9:30am - 10:30am	Elements of Electricity Market Design By Rana Mukerji (1 PDH)		Vapor Intrusion Laboratory Data Collection: What have we learnt? By Will Elcoate (1 PDH)		Geology for Engineers Geologic Hazards Preparation Through Identification I By Christopher Kelson, PG, PhD (1 PDH)		Value Engineering Redesign of the Replacement of the City Island Road Bridge over Eastchester Bay By Cagri Ozgur, PE, PhD & Greg Fisher (1 PDH)		High School Model Bridge Competition By Ted Firnstein (1 PDH)	
	10:30am - 11:00am	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>									
	11:00am - 12:00pm	Standards and Codes for Data Center Cooling By Jason Koo (1 PDH)		Nitrogen Removal in Wastewater – Why and How? By Julie Barown, PE (1 PDH)		Geology for Engineers: Preparation Through Identification- Geologic Hazards II By Christopher Kelson, PG, PhD (1 PDH)		Design-Build 48 hour replacement of LIRR Post Avenue Bridge using SPMT By Gerard Bartucci, PE (1 PDH)		High School Model Bridge Competition By Peter Sutherland, PE (1 PDH)	
	12:00pm - 1:15pm	 <b>Keynote Speaker - Kanten Russell - Skate Park Design</b> Lunch in the Empire Room from 12:00 - 1:15 P.M. COST: \$25 / Person Please Call Jennifer Miller at 518-577-1132 for reservations or email at <a href="mailto:jamiller@nysspe.org">jamiller@nysspe.org</a> . Seating is limited.									
		Mechanical		Environmental		Geotechnical		Model Bridge Competition		Civil	
		Moderator(s): Tricia Cioni		Moderator(s): Jenny Lippmann & Jeff Marx		Moderator(s): Tom Lincoln		Moderator(s): Stephanie Winkelhake		Moderator(s): John Golde & Lou Tomaino	
	1:30pm - 2:30pm	Microturbine Combined Heat and Power Systems By Lauren Ray (1 PDH)		Reducing Nitrogen Loadings in the Chesapeake Bay Using an Economical, Low-Impact Sewer Solution: A Case Study in South Kent Island, MD By Julie Barown, PE (1 PDH)		Helical Products for Foundation and Tension Applications By Ryan Scall (1 PDH)		The Governor Mario M. Cuomo Bridge – Structural Health Monitoring and Service Life Design By Preston Vineyard, PE (1 PDH)		High School Model Bridge Competition By Reigh Walling (1 PDH)	
	2:30pm - 3:00pm	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>									
	3:00pm - 4:00pm	No Seminar Scheduled		Renewable Energy Storage By Charles Bertuch, PE (1 PDH)		Best Practices for Segmental Retaining Wall Design By Ryan Miller (1 PDH)		Effective Building Designs with Concrete Masonry – Introducing the Next Generation of CMU By Nicholas Carparelli (1 PDH)		High School Model Bridge Competition By Arthur Depoian, PE (1 PDH)	






Thanks to our Silver Sponsors:



Registration is necessary for the event.

Register online at [www.capitaldistrictweek.org](http://www.capitaldistrictweek.org)

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# The Capital District's Celebration of National Engineers Week 2018

## Seminar Day Schedule

Friday - February 16, 2018 - Albany Marriott, Wolf Rd., Albany, NY

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		SEMINARS										
Foyer	Times	Albany Room	Colonie Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H	
		Chemical		Concrete		Structural	Environmental	Transportation	Buildings	Civil		
		Moderator(s): Kevin Merrikin		Moderator(s): Chris Leshner		Moderator(s): Stephanie Winkelhake	Moderator(s): Jeff Marx	Moderator(s): John MacDonald	Moderator(s): Jeff Bak & Bob Wilson		Moderator(s): Walt Lippman & Mark Ritter	
Exhibits in Foyer and Troy and Schenectady Rooms 8:00 AM - 4:00 PM	8:00am - 9:00am	Stop Knocking Your Condensate Lines – Achieving A More Reliable Steam System By Richard Newbegin, C.E.M. (1 PDH)		The Benefits of Slag Cement in Concrete By Ray Henderson (1 PDH)		Anchor vs Rebar – Post-Installed Reinforcing Bar Design: Anchor or Rebar By Brian Callaghan & Ellada Kosinska (1 PDH)	Wastewater in Brewing By Jim King (1 PDH)	Planning and Implementing Cashless Open Road Tolling Zones By William Gorton, PE (1 PDH)	Building Information Modeling for Masonry-BIM- M- Model Driven Design & Construction By Jamie Davis, PE, LEED & Tom Cuneio (1 PDH)	Utility Infrastructure Mapping and Data Modeling in GIS By Ken Kerr, PE (1 PDH)		
	9:00am - 9:30am	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>										
	9:30am - 10:30am	Chemical Engineering Fundamentals Applied to Brewing and Craft Beer By Adam Brown (1 PDH)		Shotcrete Today: Not Your Father's Gunite By Charles Hanskat, PE (1 PDH)		Anchor Principles and Design By Jason Curry (1 PDH)	Chemistry and Analytical Methodology Review of 1,4 Dioxane and PFAS By Jim Occhialini (1 PDH)	The Growth of Urban Gondolas Worldwide By Peter Melewski, PE & Tom Sanford (1 PDH)	A Case Narrative of an Indoor Odor Investigation By Todd Crawford (1 PDH)	Manufactured Water Quality Solutions & Best Management Practices By Ian Kuchman (1 PDH)		
	10:30am - 11:00am	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>										
	11:00am - 12:00pm	Environmental Modeling: A Case History By John Paccione, Ch.E, PhD, PE & Russ Reeves (1 PDH)		Precast Pavement Construction Using the Super-Slab System By Dan Moellman (1 PDH)		Modern Work on the Historic Canalized Mohawk River Section of the Erie Canal By Todd Mueller, PE (1 PDH)	A Primer on PFOA and the Critical Role of Hydrogeology in Interpreting Drinking Water Data By Jean Patota, PG (1 PDH)	Self-Leveling Manhole Technology – Protecting the Integrity of Your Roadways and Minimizing Maintenance Costs By Brian Steitz & Tim McKernan (1 PDH)	How do you move an Eight-Story building a city block! By Harris Sanders & Anthony Opalka (1 PDH)	Subgrade Improvement to Improve Asphalt Pavement Performance By William Maier (1 PDH)		
	12:00pm - 1:15pm	Buffet Lunch in the Empire Room from 12:00 - 1:15 P.M. <b>Networking Buffet Lunch</b> COST: \$25 / Person Please Call Jennifer Miller at 518-577-1132 for reservations or email at <a href="mailto:jamiller@nysspe.org">jamiller@nysspe.org</a> . Seating is limited.										
			Albany Room	Colonie Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H
			Chemical		Concrete		Structural	Environmental	Other	Buildings	Civil	
			Moderator(s): Kevin Merrikin		Moderator(s): Howard McCulloch		Moderator(s): Julie Barown & Stephanie Winkelhake	Moderator(s): Louie Powell & Jeff Marx	Moderator(s): John MacDonald	Moderator(s): Jeff Bak & Bob Wilson		Moderator(s): Walt Lippman & Mark Ritter
		1:30pm - 2:30pm	Active Waste and pH Neutralization System Design and Theory By Mark Girgenti (1 PDH)		No Seminar Scheduled		BLS 710 The Advantages of Solid Section Beams and Columns By Drexel Hermann (1 PDH)	Septic Drain Field Restoration By Mark Reynolds (1 PDH)	Ramifications Arising from Contractual ambiguities of Terms and Specifications By Ashraf Ghaly, PhD, PE (1 PDH)	Roof Reinforcing: Concepts and Schemes By James D'Aloisio, PE, SECB, LEED AP (1 PDH)	Temporary Bypass Pumping Systems By Seth Morris, PE (1 PDH)	
	2:30pm - 3:00pm	<b>B R E A K - COFFEE AND TEA AVAILABLE IN TROY/SCHENECTADY ROOM</b>										
	3:00pm - 4:00pm	No Seminar Scheduled		Precast Utility Structures Design and Installation By Ronald Thornton (1 PDH)		Cold Formed Steel Framing Floor Systems By Anthony Stazzone (1 PDH)	Low Pressure Sewer Systems: Providing a Sustainable Solution for Sewer Renewal By Keith McHale (1 PDH)	How to Score the Disaster Resiliency of Community Transportation Systems By Joe Englot, PE (1 PDH)	Frost-Protected Shallow Foundations: Design & Construction By James D'Aloisio, PE, SECB, LEED AP (1 PDH)	Addressing Large Diameter Infrastructure Needs Utilizing CCCP and CCFRMP Technologies. By Tom Perry (1 PDH)		

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