





<p><b>Thanks to our Gold Sponsors:</b></p>	 <b>Atlantic Testing Labs</b>	 <b>HNTB</b> <i>HNTP Corp.</i>	<p><b>The Capital District's Celebration of National Engineers Week 2012</b></p> <p><i>Seminar Schedule</i></p> <p><b>Thursday - February 16, 2012 - Albany Marriott, Wolf Rd., Albany, NY</b></p> <p>For more information, call Jennifer Miller at (518) 283-7490 or visit <a href="http://www.capitaldistrictweek.org">www.capitaldistrictweek.org</a></p>	<p><b>Thanks to our Silver Sponsors:</b></p> <p style="text-align: center;"><b>ASCE Mohawk Hudson Section</b></p>
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		SEMINARS																
Foyer	Times	Troy Room	Schenectady Room	Colonie Room	Albany Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H					
Exhibits in Foyer 8:00 AM - 4:00 PM		<b>Mechanical</b>		<b>Buildings</b>		<b>Civil</b>		<b>Bridges</b>		<b>Environmental</b>		<b>Model Bridge Competition</b>		<b>Electrical</b>		<b>Transportation</b>		
		Moderator: Kevin Merrikin Mark Bagdon		Moderator: Keith Lashway Ron Vaughn & Larry Paleschi		Moderator: Christine LaPlante Craig D'Alaird		Moderator: Matt Yerkey		Moderator: Sal Ervolina		Moderator: Chris Leshar Jeff Bak		Moderator: Louie Powell John Golde		Moderator: John MacDonald Rodney Delisle		
	8:00am - 9:00am	Quantifying "Green" and Air Filters By Danja McMillan (1 PDH)		Tips to Optimize Structural Masonry By Keith Lashway, P.E. (1 PDH)		Stormwater Quality Using DEC Chapter 9 Verified SMP's By Don Leblanc (1 PDH)		Steel Arch Bridges - Design & Construction of Route 219 over Cattaraugus Creek By Santiago Lopez (Pending PDH)		Developing a Water Supply System in Rural Haiti By Scott Underhill (1 PDH)		High School Model Bridge Competition		Cost Effective Campus Electric System Rebuild By Jim Fuller & Joe Godlewski (1 PDH)		NYSOT Storm Response to Hurricane Irene and Tropical Storm Lee: Extraordinary Events, Extraordinary Response By Debra Nelson & Todd Westhous & Dawn Arnold (1 PDH)		
	9:00am - 9:30am	<b>BREAK</b>																
	9:30am - 10:30am	175 MM M113 Cannon: Historical Perspective on the Cannon that Changed our Cannon Design By David Smith, PE (1 PDH)		Lessons Learned: Restoration of Architectural Terra Cotta Roofing in Albany, NY By Nicolas Floyd (1 PDH)		Rainwater Harvesting and Re-Use as a Stormwater Runoff Reduction Practice By Greg Kowalsky (Pending PDH)		Accelerated Bridges By Bala Sivakumar (1 PDH)		Spanning Jurisdictional Wetlands in a Time Critical Manner By Roger Murman, ASLA (Pending PDH)		High School Model Bridge Competition		Meher-McGrath Calculations Revisited By John Golde, PE (1 PDH)		Projects in Harmony - Washington Ave/Fuller Road and Albany NanoFab Ext. By Don Adams, and Jeff Pangburn (1 PDH)		
	10:30am - 11:00am	<b>BREAK</b>																
	11:00am - 12:00pm	True Savings can be found in proper filtration By Erick Moser, PE & Joe Vancura (1 PDH)		Measurements, Operations and Maintenance Practices for Improved Facilities Performance By Om Taneja, PhD, PE (1 PDH)		Modernizing Public Works Facilities - A six Step Approach, Planning through Construction By Jeff Budrow & Jeff Alberti (Pending PDH)		Emergency Bridge Replacements due to Hurricane Irene Flooding By Brenda Crudele, PE, and George Senft (1 PDH)		In-Situ Solidification By William Ottaway & James Harrington (1 PDH)		High School Model Bridge Competition		Surge Protection By Peter Walsh, PE #12EW-28 (1 PDH)		Environmental Sustainability at the Transportation Agency Frontline: NYSDOT's Experience with Maintenance/Construction Environmental Coordinators By John Rowen, Kyle Williams and Brian DeWald (Pending PDH)		
	12:00pm - 1:15pm	<p style="text-align: center;"><b>Lunch in the Empire Room from 12:00 - 1:15 P.M.</b></p> <p style="text-align: center;"><b>Keynote Speaker - Executive Deputy Commissioner Stan Gee-New York State Department of Transportation</b></p> <p style="text-align: center;"><i>Sponsored by ASCE Mohawk Hudson Section</i></p> <p style="text-align: center;"><small>COST: \$25 / Person Please Call Jennifer Miller at 283-7490 for reservations or email at <a href="mailto:jamiller@nysspe.org">jamiller@nysspe.org</a>. Seating is limited.</small></p>																
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1:30pm - 2:30pm	Variable Refrigerant Flow Opportunities By Nick Masiello (1 PDH)		The End of Moisture-Related Flooring Problems is Near By Scott Tarr (Pending PDH)		Development of an analytical method to obtain the baffle factor for a disinfection tank By John Paccione, David M. Follan and David M. Dziewulski (Pending PDH)		Construction of the Lake Champlain Bridge By John Grady & Thomas Potts (1 PDH)		Onsite Wastewater Treatment System Drainfield Malfunction Analysis and Prevention By David Lentz, P.E. (1 PDH)		High School Model Bridge Competition		Safety Implications of NFPA 70E 2012 on Metal clad Switchgear Design and Operation By Michael Dube #12EW-27 (1 PDH)		Resilient Transportation Infrastructure Strategies for Engineers By Joseph Englot (1 PDH)			
2:30pm - 3:00pm	<b>BREAK</b>																	
3:00pm - 4:00pm	High Efficiency Boilers and Overall System Design By Sean Dabroski (1 PDH)		Estimating the Effects of Energy Conservation on Temperature and Humidity in Residential Buildings By Todd Crawford (1 PDH)		Working with New York's Dam Safety Regulations By Kenneth Avery (Pending PDH)		Rehabilitation I 81 bridges Over Oneida Lake Using External Post-tensioning By Matthew Royce, PE & Troy Soka, PE (1 PDH)		Phase 2 Dredging on the Hudson River By David King (Pending PDH)		High School Model Bridge Competition		Underground Damage Prevention- A Shared Responsibility By Donna Shave (1 PDH)		Municipal Inventories of Greenhouse Gases (GHG) and the use of Transportation Engineering to Reduce Mobile Sources of GHG. By Keith Forbes & Bill Desantis (Pending PDH)			

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		<b>Chemical</b>		<b>Bridges</b>		<b>Energy</b>		<b>Electrical</b>	<b>Civil</b>	<b>Sustainability</b>	<b>Geotechnical</b>		<b>Structural</b>				
		Moderator: Kevin Merrikin		Moderators: Matt Yerkey Ron Vaughn		Moderators: Kristen Gustafson +1?		Moderator: Louie Powell Ron Hauth	Moderator: John MacDonald Rodney Delisle	Moderator: Keith Lashway Jenny Moon	Moderators: Christine LaPlante Craig D'Allaird		Moderators: Chris Leshner Jeff Bak				
<b>Exhibits in Foyer 8:00 AM - 4:00 PM</b>	8:00am - 9:00am	Towards Sustainable Energy: Carbone Capture Utilization and Storage By Ah-Hyung Alissa Park (Pending PDH)		Bridge Solutions By Dan Logel, Aaron Mattoon (1 PDH)		"Understanding the Energy Crisis" By Dr. James Smiley (1 PDH)		2003 Northeast System Disturbance Revisited: Testing Power Swing Protection With Simulations Based on Updated System Data By Edward Krizauskas (1 PDH)		Accelerated Bridge Construction Using Prefabricated Elements and Ultra High Performance Concrete (UHPC) Joints. By Matthew Royce, PE & Vic Perry (1 PDH)		Sustainable Building Design By Ajay Sil (1 PDH)		Helical Foundation Systems – Design and Construction Considerations By Jeff Warchall (1 PDH)		Greater Rochester International Airport (GRIA)- Parking Garage Expansion Project By John Caruso, P.E., Pam Johnson (1 PDH)	
	9:00am - 9:30am	<b>BREAK</b>															
	9:30am - 10:30am	Explosion Prevention and Protection - NFPA 68 & 69 By Zachary Paul (Pending PDH)		Bridge Construction/Replacement System Featuring The Stone Strong Retaining Wall Block as a Stay in Place form of Bridge Abutments By Adam Baker & Andrew Bell (Pending PDH)		Advances in Energy Efficiency By Jack Christmann (Pending PDH)		Comparing IEEE and IEC Standards for Current Transformers By Louie Powell (1 PDH)		Utilizing 3D HDScan Data for Engineering Analysis By Michael Panichelli (1 PDH)		Resilience The Missing Link in Sustainable Design By Rita Seraderian (1 PDH)		Engineering Theory and Principles of Helical Piers and Anchors By Pat Haffert (1 PDH)		Failure Analysis: What Engineers Need to Know By Julius Bonini, Joseph Forloughi, Frank Anderson (Pending PDH)	
	10:30am - 11:00am	<b>BREAK</b>															
	11:00am - 12:00pm	Energy Recovery Opportunities for Steam and Condensate Systems By Richard Newbegin (Pending PDH)		Cost Effective Bridge Scour Countermeasures By Bill Horne (Pending PDH)		Energy Modeling in EnergyPro By Joe Cefaly (1 PDH)		Impact of Geomagnetic Storms on Electric Utility Systems By Ronald Hauth (1 PDH)		The Evolution of Erosion Control Technology By Pete Hanrahan (1 PDH)		Environmental Ethics and Trends in Environmental Litigation By Ashraf Ghaly (1 PDH)		Geosynthetics for Soil Reinforcement Applications By Jon Nimberger #12EW-45 (1 PDH)		ACI Tools for Simplified Design of Concrete Buildings By Mike Mota, PhD, PE (1 PDH)	
	12:00pm - 1:15pm	<p>Lunch in the Empire Room from 12:00 - 1:15 P.M.</p> <p><b>Networking Lunch - Sponsored by ASHRAE Northeast Chapter</b></p> <p>COST: \$20 / Person Please Call Jennifer Miller at 283-7490 for reservations or email at <a href="mailto:jamiller@nysspe.org">jamiller@nysspe.org</a>. Seating is limited.</p> 															
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	1:30pm - 2:30pm	Application for the Darcy Equation in Sizing Vents and Estimating Pipe Capacity of Compressible Fluids By Kevin Merrikin (Pending PDH)		Engineering 'Reliable Software' Application By Haleh Najafzadeh (1 PDH)		EPA and SPCC Regulations and Wastewater Treatment Systems which include Oil Interceptors and Oil Water Separators By Greg Aymong & Chris Cardona (1 PDH)		Residential/Commercial Electrical Design - Code Requirements and the Real World By Tom Szekely, P.E. (1 PDH)		High Speed Rail - The Empire Corridor By David Chan & Peter Melewski (1 PDH)		Sustainability of Structures Serving in an Open Environment By Ashraf Ghaly (1 PDH)		Water-based Investigations By Timothy Gavin, Adam Schneider, PE, and Samantha Moringello #12EW-47 (1 PDH)		Professional Ethics and Liability By Mark Kriss (1 PDH)	
	2:30pm - 3:00pm	<b>BREAK</b>															
	3:00pm - 4:00pm	Green Acres Case Study By Guy Piddington (1 PDH)		Practical Aspects of Cathodic Protection of Concrete Structures By Uriel Oko, PE, PhD (1 PDH)		The Remediation of Onandaga Lake By Timothy Larson, Robert Edwards, Richard Mustico & Tracy Smith (1 PDH)		Demand Response in New York Electricity Markets By Rana Mukerji (Pending PDH)		A Systems View: Incorporating Sustainability into NYSDOT's Strategic, Tactical and Operational Decisions By Paul Krekeler & Debra Nelson (Pending PDH)		LEED 2012 - What's Next? By James D'Aloisio, P.E. (Pending PDH)		Geotechnical and Seismic Come Together By Christopher Paolini, PE (1 PDH)		Engineering Practice & regulatory Updates in NYS By Jane Blair (1 PDH)	

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