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The Capital District's Celebration of National Engineers Week 2011
Seminar Day Schedule (Sponsored By SWE)
Thursday - February 17, 2011 - Albany Marriott, Wolf Rd., Albany, NY
For more information, call Jennifer Miller at (518) 283-7490 or visit www.capitaldistrictweek.org

Thanks to our Silver Sponsor: **EYP Architecture & Engineering**

Foyer	Times	SEMINARS												
		Troy Room	Schenectady Room	Colonie Room	Albany Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H	
		Mechanical		Buildings		Civil		Bridges		Sustainability	Model Bridge Competition	Electrical	Transportation	
Exhibits in Foyer 8:00 AM - 4:00 PM	8:00am - 9:00am	ASHRAE 52.2 2007 addendum B (Appendix) By Danja McMillan #11EW-11 (1 PDH)		Mold, Water and Buildings By Todd Crawford #11EW-06 (1 PDH)		Steel Fiber Reinforced Concrete By Heidi Helmink & Tim Lussier #11EW-16 (1 PDH)		Fast Track Replacement of 9W over Cedar Pond Brook Bridge By Mark Struzinsky & Ranjit Singh #11EW-01 (1 PDH)		Combined Cooling Heat and Power Technology - Power Redundancy and Energy Reduction By David Blair #11EW-21 (Pending PDH)	High School Model Bridge Competition	Hydroelectric Power: Lessons from the Past, Models for the Future By James Besha #11EW-31 (1 PDH)	Determination of the Optimal Bridge Configurations for the Replacement of the Tappan Zee Bridge By Mike Anderson #11EW-26 (Pending PDH)	
	9:00am - 9:30am	BREAK												
	9:30am - 10:30am	Simplified System Simulation Techniques in Engineering By Bill Rowen #11EW-12 (1 PDH)		Absorption Heat Pumps in Modular Boiler/Chiller Systems - Using Renewable Energy to Achieve the Next Generation of Thermal Efficiency for Hydronic Heating and Cooling in Commercial Buildings By Erin Sperry #11EW-07 (1 PDH)		The Science and Application of Ultraviolet Light Disinfection for Drinking and Recreational Water By John Paccione & Mark Wykes #11EW-17 (1 PDH)		Improving High Performance Concrete with Internal Curing By Bill Wolfe #11EW-02 (Pending PDH)		The true energy savings that can be found in proper air filtration By Joe VanCura & Erick Moser #11EW-22 (Pending PDH)	High School Model Bridge Competition	Fundamentals of Harmonics By Louie Powell #11EW-32 (1 PDH)	The Lake Champlain Bridge Journey By James Boni, Ruth Fitzgerald, Dale Gozalkowski, Tom Potts #11EW-27 (2 PDH)	
	10:30am - 11:00am	BREAK												
	11:00am - 12:00pm	Achieving A "Sound" Design By Sami Elkhazin #11EW-13 (1 PDH)		Tips to Optimize Structural Masonry By Keith Lashway #11EW-08 (1 PDH)		Forensic Investigation of Hardened Concrete: Water/Cement Ratio By Julius Bonini, Andrew Smith, Uriel Oko and Frank Anderson #11EW-18 (1 PDH)		I-90 Over Cattaraugus Creek Bridge Scour Reevaluation and Plan of Action By Kenneth Avery #11EW-03 (1 PDH)		New York City Energy Transparency-The Perfect Storm By Hamilton McLean #11EW-23 (Pending PDH)	High School Model Bridge Competition	Introduction to Power System Stability By Ronald Hauth #11EW-33 (1 PDH)		
	12:00pm - 1:30pm	Lunch in the Empire Room from 12:00 - 1:30 P.M. Color Guard & Keynote Speaker - Alan Asadoorian from GlobalFoundries Chip Fab												
			Troy Room	Schenectady Room	Colonie Room	Albany Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H
			Mechanical		Buildings		Civil		Bridges		Sustainability	Model Bridge Competition	Electrical	Structural
	1:30pm - 2:30pm		Cogeneration - how to assess where it works (or not) By Bob Kennedy & Scott Janssen #11EW-14 (1 PDH)		Connected Building Solutions Architecture By Tim Hurley #11EW-09 (1 PDH)		Subsurface Utility Engineering By Kenneth Kerr #11EW-19 (1 PDH)		The Cross Street Bridge Design-Build Project, Middlebury, VT By Mark Colgan #11EW-04 (1 PDH)		Asset Management and Green Initiatives Can Make Your Project a Success By Tim Wales, Rich Straut & Glenn Gidaly #11EW-24 (1 PDH)	High School Model Bridge Competition	An Introduction to Current Regulators By David Torrey #11EW-34 (1 PDH)	Adaptive Reuse of Late 19th Century Railroad Trestles as Trail Bridges By C. Michael Cooper #11EW-29 (Pending PDH)
	2:30pm - 3:00pm	BREAK												
3:00pm - 4:00pm		Next Generation Machining & Modeling Technology By David Smith #11EW-15 (1 PDH)		2003 & 2006 IBC SEISMIC DESIGN REQUIREMENTS FOR DISTRIBUTED UTILITIES By Shannon Rose #11EW-10 (1 PDH)		Stone Strong Retaining Wall Seminar By Adam Baker #11EW-20 (1 PDH)		Ultrasound Inspection of Bridge Hanger Pins By Michael Januszkiewicz #11EW-05 (1 PDH)		Sustainable Design using Precast Concrete By Rita Seraderian #11EW-25 (1 PDH)	High School Model Bridge Competition	Neher-McGrath Formula Simplified By James Barrett #11EW-35 (Pending PDH)	Inspection and Evaluation of Fiber Reinforced Polymer Composites By Harry White 2nd #11EW-30 (1 PDH)	

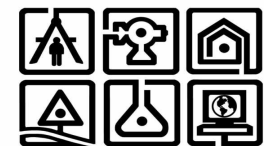
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Registration is necessary for the event.

Register online at
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Seminar Day Schedule (Sponsored By SWE)

Friday - February 18, 2011 - Albany Marriott, Wolf Rd., Albany, NY

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SEMINARS													
Foyer	Times	Troy Room	Schenectady Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H		
		Chemical		Energy		Electrical	Transportation	Environmental	Geotechnical		Structural		
Exhibits in Foyer 8:00 AM - 4:00 PM	8:00am - 9:00am	Cathodic Protection for GeoThermal Wells By Uriel Oko #11EW-47 (1 PDH)		Building Energy Performance Design Assistance with Parametric Studies By James Fireovid #11EW-41 (1 PDH)		Balancing Wind – Embracing the Challenge By Rana Mukerji #11EW-36 (1 PDH)	Route 590 Reconstruction: Civil Engineering from Soils to Modern Roundabouts By Richard Bennett #11EW-66 (1 PDH)	Hudson River Dredging - Phase 2 By David King #11EW-46 (Pending PDH)	The Use of Lightweight Aggregates in Geotechnical Applications By Bill Wolfe #11EW-56 (1 PDH)		Cost Estimate Comparison: Concrete Voided Slabs vs Steel Framing By Mike Mota #11EW-61 (1 PDH)		
	9:00am - 9:30am	BREAK											
	9:30am - 10:30am	Modeling and Applications of the Rensselaer Particle Processor, A Novel Fluid-Particle Contactor By John Paccione #11EW-49 (1 PDH)		NYSERDA's New Construction Program: Energy Efficiency and Working Toward Zero Net Energy By Stephen Finkle #11EW-42 (1 PDH)		Investigation of Nuisance Trips in Microprocessor Based Transformer Differential Relay By Peter Sutherland #11EW-37 (1 PDH)	Rehabilitation of the Orthotropic Steel Deck on the George Washington Bridge By Joseph Englot #11EW-67 (1 PDH)	Village of Hillsdale, New York - Decentralized Wastewater Collection and Treatment System – Case Study By G. Norman Schreiber/Doug Clark/Erin Moore #11EW-48 (1 PDH)	The Lake Champlain Bridge: A Long History of Poor Soils By Robert Burnett #11EW-57 (1 PDH)		Snow Load Provisions in ASCE 7-10, What's New and Different By Michael O'Rourke #11EW-62 (1 PDH)		
	10:30am - 11:00am	BREAK											
	11:00am - 12:00pm	By #11EW-51 (Pending PDH)		Energy Savings with Compressed Air Systems By Rich Rappa #11EW-43 (1 PDH)		National Grid Smart Grid By Vincent Forte #11EW-38 (1 PDH)	Improving Bridge Evaluation at NYSDOT through Applied Research Projects. By Sreenivas Alampalli, Anil Agrawal & Jerome O'Connor #11EW-68 (1 PDH)	Empire Generating – Environmental & Engineering Aspects By Janis Fallon #11EW-50 (1 PDH)	Chapter 18 of the New York State Building Code - Soils and Foundations By Christopher Paolini #11EW-58 (1 PDH)		Structural Steel Design for Fabrication and Erection Efficiency By John Wozniczka & Dave Schwalm #11EW-63 (1 PDH)		
	12:00pm - 1:30pm	<p>Buffet Lunch in the Empire Room from 12:00 - 1:30 P.M.</p> <p>Networking Buffet Lunch Sponsored By ASHRAE Northeast Chapter</p> <p><small>COST: \$20 / Person Please Call Jennifer Miller at 283-7490 for reservations or email at jamiller@nysspe.org. Seating is limited.</small></p>											
			Troy Room	Schenectady Room	Salon A	Salon B	Salon C	Salon D	Salon E	Salon F	Salon G	Salon H	
			Chemical		Energy		Electrical/Other	Transportation	Environmental	Geotechnical		Structural	
	1:30pm - 2:30pm	Primer: Fatigue Failures By Ron Parrington #11EW-53 (1 PDH)		Linking Energy to Lean Manufacturing By Rich Rappa #11EW-44 (1 PDH)		Introduction to Synchronous Condenser Applications on Today's Electric Transmission System By Arthur Depoian #11EW-39 (1 PDH)	Transportation Plans for Special Events By Mark Sargent #11EW-69 (Pending PDH)	Residential Indoor Air Quality By Jill C. Palmer-Wood #11EW-52 (1 PDH)	A Municipalities Quest for Safe Drinking Water from Safe Dams By Warren Harris & Gary Dale #11EW-59 (Pending PDH)		Construction of a Structurally Supported Single Point Urban Interchange (SPUI) By Brenda Crudele #11EW-64 (1 PDH)		
	2:30pm - 3:00pm	BREAK											
3:00pm - 4:00pm	Building Codes for the Chemical Engineer By Kevin Merrikin #11EW-55 (Pending PDH)		Case Studies of NYSERDA's Existing Facilities Program By Scott Smith & Khaled Yousef #11EW-45 (1 PDH)		Understanding Ethics for the Design Professional By Guy Piddington #11EW-40 (1 PDH)	High Speed Rail – The Empire Corridor By David Chan & Peter Melewski #11EW-70 (1 PDH)	Development of an Effective Energy Management Plan By Silvia Marpicati #11EW-54 (1 PDH)	Dam Sinkhole Doesn't have to be a \$Money\$ Pit By Warren Harris & Katy Adnams #11EW-60 (Pending PDH)		Rehabilitation of Stone Arch Bridge over Grasse River By George Serfit #11EW-65 (1 PDH)			
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