

2011 Engineering Symposium in Rochester

9-Apr-11

Sponsored by
Rochester's Technical and Engineering Societies and RIT
April 26, 2011

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					
	Civil Engineering Sponsored by ASCE	Civil Engineering Sponsored by ASCE	Mechanical Engineering Sponsored by ASME	Electrical NYSERDA, RIT & IEEE	Mechanical, Plumbing, & Fire Protection Sponsored by ASHRAE and ASPE	Lighting and Power Sponsored by IES Rochester
Moderator	Dave Belaskes	Jim Baker	Bill Bishop	Dave Krispinsky	Jennifer Wengender	Joe Dombrowski
8:30 to 9:30	The Eastside Water Supply Project Dick Metzger, MCWA	Building Information Modeling: What is the Hype and How does it Affect Me? Greg Hale, SWBR	Force Press Fit Between Hubs and Shafts Joseph Ciccarella	Clean Energy Power Systems Prof. D. Krispinsky	Solar Collection & Storage for Domestic Hot Water Richard Gruber	Recent Advances in HID Technologies Alex Dunaevsky, Philips
9:30 to 9:45	Break					
Room	Riverview	Douglas	Silver	Gleason	Carlson	Fitzhugh
9:45 to 10:45	Greater Rochester International Airport Parking Garage Expansion Project John F. Caruso	Design and Construction Considerations of Rammed Aggregate Piers Shana M. Carroll, Geotechnical	Seeking Innovation: Strategic Patent and Technology Searching John M. Hammond and Robert D. Gunderman	The Alternative Liquid Fuels Simulation Model (AltSim) Thomas Drennen	A Seismic Primer for MEP Components Dick Sherren	Light Control and LEED Kristin Crawford
10:45 to 11:00	Break					
11:00 to 12:00	The Mandatory Requirements of the New Energy Code of New York Scott Copp, T.Y. Lin International	Ground Improvements using Vibro Systems Kevin Wikar & Mike Grant, Hayward Baker	Archeology for Engineers Dr. Ann Morton	Fuel Cell Electric Vehicles Dr. Clark Hochgraf	Clean Agent Fire Protection 101 Steve Pelletier, Tyco Fire Protection Products	LED Lighting Mike Trippe, PSG
12:00 to 1:30	Keynote Speaker: Frank Schaaf, Sterling Refrigeration Corp Nuclear Energy- Fukushima Daiichi Event and Buffet Lunch					
		Civil Engineering Sponsored by ASCE	Miscellaneous Topics Sponsored by ASME & ASCE	Electrical NYSERDA, RIT & IEEE	Mechanical, Plumbing, & Fire Protection Sponsored by ASHRAE and ASPE	Lighting and Power Sponsored by Elect. Assoc. of Roch
Moderator	Rick Bennett	Jim Krapf	Frank Schaaf	Dave Krispinsky	Jeff Davis	Joe Dombrowski
1:30 to 2:30	The Impacts of Virtual Design and Construction (VDC) Technologies – Today and Tomorrow Chuck Hixon, Bergmann Associates	Corrosion Protection Rachel Stiffler, Vector Corrosion	Introduction to ASME Section VIII, Division 1 Pressure Vessel Code- Design Mahendra Rana, Praxair, Inc	Harnessing Wind Energy: What and How; What is wind energy: the wind resource; how is it done: Principles of wind energy conversion. Dr. Larry Villasmi	Using Energy Modeling as a Design Tool Tim Howe, Stantec	Energy Smart Lighting for the Sustainable Workplace Chuck Polas
2:30 to 2:45	Break					
2:45 to 3:45	Adaptive Reuse of Late 19th Century Railroad Trestles as Trail Bridges Mike Cooper, Bergmann Associates	Bedrock Tunnel Drain Collection System Fletcher Baltz and James Smith	Introduction to ASME Section VIII, Division 1 Pressure Vessel Code- Fabrication and Inspection John Koch, Praxair, Inc	Photo - and Plasma - Chemistry relevant to Clean Energy: Hydrogen/Fuel Cells Dr. Gerald Takacs	Energy Modeling for Existing Buildings Bill Bishop, Pathfinder	GPS-140 National Electric Code (as it applies to Generators) Rob Sweeney
3:45 to 4:00	Break					
4:00 to 5:00	Merging the output of Design Software with Automated Machine Guidance Equipment Bruce Flora, Flora Surveying	ACI and ICRI Design Guidelines for the Repair of Concrete James Derrigan, BASF	No Program	After 40 years "Alternatives" are still not "Conventional", Economics of alternative energy Carl Lundgren	Chilled Beams Application and Design William Schultes, New Climate	UL891 switchboards vs UL1558 Switchgear Construction Brent Vild, Eaton
5:00	Cocktails and Conversation in the Lounge (Continued)					