

ASHRAE Rochester



VOLUME 3, ISSUE 8

APRIL 1, 2009

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April ASHRAE Meeting Monday, April 13, 2009

Location: Blue Cross Arena
1 War Memorial Square, Rochester, NY 14614
Time: 5:30 PM
Cost: \$25.00
Presenter: **Mr. Eliot Nicholas**, Mollenberg-Betz, Inc.



Blue Cross Arena - Refrigeration Tour

On Monday, April 13, 2009, we will hold our annual "Refrigeration Night" program. This year we will be touring the Refrigeration and Environmental mechanical systems at the Blue Cross Arena at the War Memorial.

The program will begin with dinner served at 5:30 PM followed by a technical session entitled "Refrigeration and Natural Refrigerants - The Next Revolution". This information will be presented by Eliot Nicholas of Mollenberg - Betz, Incorporated.

Mr. Nicholas has over 30 years experience in the refrigeration industry, is a graduate of RIT & SUNY Alfred and has held positions as mechanical design engineer with two large supermarket chains, HEB in Texas and Dominick Finer Foods in Chicago. As well as positions as engineering manager with an equipment manufacturer of industrial refrigeration equipment and for the last 12 years as a refrigeration engineer with mechanical contractors for design-build projects with regional food processing companies. Mr. Nicholas is currently the Refrigeration Chair for the ASHRAE Niagara Frontier chapter, was formally a member of ASHRAE TC10.8 Refrigeration Load Calculations, and teaches a technical elective course on Energy Management, as an adjunct professor at RIT for the last 7 years.

The presentation is intended to provide a brief history of refrigeration with refrigerant development over the last 100 years or so and present ASHRAE's Position Paper's Executive Summaries on 1. Ozone Depleting Substances issued in January 2008 for CFCs and HCFC; 2. Natural Refrigerants issued in January 2009 for promoting CO₂, ammonia and hydrocarbons such as propane and 3. the ammonia refrigeration position paper issued in January 2006, supporting the growth of ammonia in refrigeration and A/C chiller applications for secondary coolants.

Prior to the tour, background and technical information will be provided concerning the systems to be examined which were recently updated.

The tour will commence at around 7:15 PM and last approximately 1.5 - 2 hours. Blue Cross Arena Facilities personnel will be assisting in guiding the tour.

Please **RSVP by noon Wednesday, April 8th** to Rob Wind, Phone: 585-341-3172 or rwind@ibceng.com



ASHRAE Satellite broadcast/webcast

April 22, 2009 1:00-4:00 p.m. edt

**CLEAN, LEAN,
AND GREEN**



**IAQ for Sustainable
Buildings**

Using the guidance provided by the IAQ Guide: Best Practices for Design, Construction, and Commissioning developed through collaboration with ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC, this broadcast will challenge the building community to use enhanced IAQ practices to create a more sustainable built environment. Join ASHRAE in learning more about your role in transforming mid-range practice into best practice for healthy, productive, sustainable indoor environments.

This free broadcast/webcast is sponsored by the ASHRAE Chapter Technology Transfer Committee with support from the United States Environmental Protection Agency. For complete details, visit our website at www.ashrae.org/ibdbroadcast.

How to Participate

- You may host a broadcast site for your colleagues.
- You may register to view with others at a site near you.
- You may register to view the Webcast on your PC.

PDH Credits

Three (3) Professional Development Hours or three (3) AIA Learning Units may be awarded to viewers who complete the "Participant Reaction Form" following the broadcast.

About the Presenters

- Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN
"Practical, Proven Strategies to Deliver Better IAQ"
- Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC
"Improving Your IAQ and Reducing Your Energy Costs through HVAC Design"
- H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA
"Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability"
- George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL
"Avoiding Costly IAQ Problems in the Building Envelope"
- John McFarland, P.E., Director of Engineered Systems, WorkingBuildings, LLC, Atlanta, GA,
"Integrating Good IAQ into the Design & Construction Process"

Registration

There is no fee for registration. Online registration for satellite site coordinators and Webcast viewers will begin March 2, 2009, at www.ashrae.org/iaqbroadcast. Satellite viewer registration will begin March 16, 2009. If you have any questions, call 678-539-1206 or email ashrae-satellitebroadcast@ashrae.org.

PLACE: Bathtub Billy's Restaurant
630 West Ridge Road, Rochester

TIME: 12:00 Noon Lunch (Chicken Parmesan, family-style)

COST: \$30 Per Person

PDHs: 3 PDH Credits

Reservations REQUIRED: Contact the RES office, res@frontiernet.net or 585-254-2350 by noon April 17, 2009. Checks (payable to ASHRAE Rochester Chapter) should be mailed to the Rochester Engineering Society, c/o ASHRAE Broadcast, 150 State Street, 3rd Floor, Rochester, NY 14614.



ASHRAE Rochester Chapter 2009-2010 Election Ballot



As a member in good standing of the ASHRAE Rochester Chapter, you are invited to vote on the following candidates proposed by the 2008/2009 Nominating Committee for the positions of Chapter Officers and Board of Governors. Please vote for each position as listed. Write-in votes are also acceptable in the text field space provided.

Please return the ballot by April 7, 2009 to:

- 1) Email to: Phil Masters at philm@rpfedder.com
- 2) Fax to: Phil Masters at (585) 288-2481

(Please check shaded box next to the individual's name or write in a name in the text field.)

Chapter Officers

President

- Jeff Davis (Automatic succession, no vote required)

President Elect

- Jim Browe Write-in-vote

Vice- President

- Jeff Ellis Write-in-vote

Secretary

- Michelle Sommerman Write-in-vote

Treasurer

- Robert Wind Write-in-vote

Board of Governors

- Trish Jackson (3rd year) Write-in-vote

- Ed Burns (3rd year) Write-in-vote

- Jeff Close (2nd year) Write-in-vote

- Phil Masters (2nd year) Write-in-vote

- William Murray (1st year) Write-in-vote

- Tim Duprey (1st year) Write-in-vote

Election results will be announced at the April 13th Chapter Meeting at the Blue Cross Arena Refrigeration Tour.

Chapter Officers

President

Joseph Van Cura
585-288-1600/288-2481(fax)
jvc@rpfedder.com

President Elect

Jeffrey Davis, PE
585-381-3360/381-3368(fax)
jdavis@turnerengineeringpc.com

Vice President/Tech

Jim Browe
585-697-0836/697-0839
jbrowe@rfpeck.com

Secretary

Jeffrey Ellis
585-334-7710/334-7738(fax)
ellis@airsystemsbalancing.com

Treasurer

Michelle Sommerman
585-232-5135/232-4652(fax)
msommerman@bergmannpc.com

Committee Chairs

CTTC/Programs

Jeffrey Davis, PE 585-381-3360/381-3368(fax)
jdavis@turnerengineeringpc.com

CTTC/TEGA

Carlos Dachary 585-671-8110
cdachary@spc-ny.com

CTTC/ Refrigeration

Michael Nohle 585-482-3876
mikenohle@aol.com

Historian

Lee Loomis 585-262-2870/262-4156(fax)
leeloom@aol.com

Membership

Phil Masters 585-288-1600/288-2481(fax)
philm@rpfedder.com

Board of Governors

Gavin Brownlie, Jr.

585-325-1290/325-5543(fax)
gavin@crosbybrownlie.com

Edward J. Burns

585-739-7548/872-9172(fax)
ejb@mechtechhvac.com

Robert Wind

585-341-3172
rwind@ibceng.com

Trisha Jackson

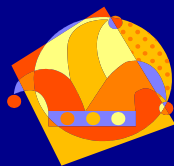
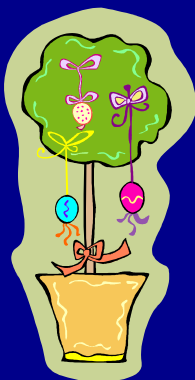
585-272-4650/272-4676(fax)
tjackson@nrg-concepts.com

Jeff Close

585-289-6816/218-0737(fax)
Jeff.close@pres-services.com

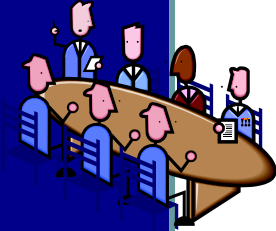
Phil Masters

585-288-1600/288-2481(fax)
philm@rpfedder.com

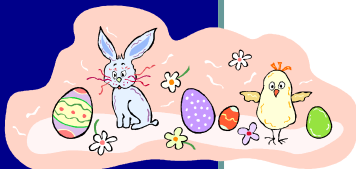


ASHRAE Region I Executive Committee

2008-2009



- DRC—Director & Regional Chair:** Garry Myers, Flack & Kurtz Inc.
Ph: 212-951-2815
Garry.Myers@wspfk.com
- ARC—Assistant & Regional Chair & Treasurer:** Spencer Morasch, Jersey Central Power & Light
Ph: 732-212-4133
smorasch@firstenergycorp.com
- Nominating Committee Member:** Emery Otruba, P.E.
Ph: 518-686-4436
eotruba@verizon.net
- Nominating Committee Alternate:** Cliff Konitz
Ph: 845-297-5864
c.konitz@verizon.net
- RVC Membership Promotion:** Joseph Furman, Belimo Americas
Ph: 203-749-3163
Joe.furman@us.belimo.com
- RVC Research Promotion:** Ron Swarthout
Ph: 607-754-7590
rswarthou@cs.com
- RVC Chapter Technology Transfer:** Lee Loomis, Center for Environmental Info.
Ph: 585-738-3079
leeloom@aol.com
- RVC Student Activities:** Richard Vehlow, NYS Office of General Svcs
Ph: 518-486-1510
eotruba@verizon.net
- Regional Chapter Programs:** Peter Oppelt, R. F. Peck
Ph: 585-697-0836 x103
poppelt@rfpeck.com
- Regional Refrigeration Chair:** Position vacant
- Regional Historian:** Phil Knowlton, Knowlton Associates
Ph: 860-642-3970
pbknowlton@comcast.net
- Regional Electronics Communication Chair, & Newsletter Judge:** Heather Nowakowski, Roswell Park Cancer Inst
Ph: 716-845-8144
Heather.nowakowski@roswellpark.org



President's Message by: Joseph Van Cura



I would like to thank the membership for another outstanding showing at our March 9th meeting held at Mario's with attendance at 75.

Jeff Davis, our President-Elect and program chair, again came through for the local engineering community by providing a Distinguished Lecturer along with 1 PDH (Professional Development Hour). Thank you Jeff.

ASHRAE distinguished lecturer Dr. Thomas Lawrence, presented a condensed overview on ASHRAE standard 189.1. Although not yet finalized, it is in final review and should be adopted in the near future.

Dr. Lawrence brought years of design experience from his time spent as a consulting engineer, along with his latest academic experience as a Professor of Engineering at Georgia Tech.

ASHRAE 189.1 provides the industry with a road map that all building should follow. Although not tied directly to the LEED program they do parallel each other.

As Dr. Lawrence emphasized LEED accreditation allows the engineer to pick and chose what

aspects they want to achieve while the ASHRAE 189.1 provides a basic guideline that ASHRAE expects all builders to adhere to.

According to Dr. Lawrence if one designed a building solely to ASHRAE 189.1 the assumption was made that the design should achieve a high silver LEED rating.

The bottom line again, is clear that SUSTAINABILITY is here to stay!

Whether once designs to a specific LEED level or to ASHRAE 189.1 the end result should be a sustainable building that takes energy conservation into consideration.

Thank you, Dr. Lawrence, for a very informative presentation!

Thanks, also, to the Board of Governors for their continued support. If you are interested in getting involved at the local ASHRAE level, please feel free to contact me at jvc@rpfedder.com or anyone else on the Board of Governors.

Joseph Van Cura, 2008-2009 President



2008-2009 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members / Students	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	240 /26	0	0	430	0	100	60	590

History Article -

ASHVE Issues WWII Fuel User's Pledge

It was May of 1943 and America's "war machinery" was in full-production. Gasoline rationing was in full-swing. Food rationing had begun, and there was a sense of patriotic urgency given to nearly every daily task.

The Rochester Engineer published the following article:

"The American Society of Heating and Ventilating Engineers has sent us a Fuel User's Pledge which we are publishing in the interests of National Security.

- To order my fuel early, to anticipate my needs and keep stock pile up so as to equalize and conserve transportation and delivery facilities and to prevent tie-ups and shortages next winter.
- To see that my heating plant is clean and kept clean.
- To have my heating system inspected by a competent heating engineer or contractor.
- To have recommended repairs or alterations essential to efficient operation of the heating equipment made in August and September.
- To install storm windows, weather-stripping, insulation and to do everything practical to reduce heat losses.
- To carefully follow instructions on how to operate my heating system properly.
- To prevent smoke because smoke means waste and inefficiency.
- To keep room temperatures at 68 – 70 degrees and to avoid over-heating because it endangers efficiency and health.
- To conserve heat and fuel at all times."

Come to think of it, these are good practices, at anytime, war or no war.

Lee Loomis, 2008-2009 Chapter Historian

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.



"Advancing HVAC&R to serve humanity and promote a sustainable world"

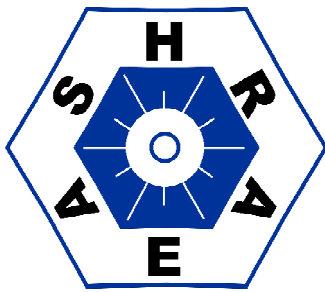
Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.

- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.

- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and





TUESDAY, MAY 19, 2009

Combined ASHRAE Golf Tournament/Picnic
NEW LOCATION: The Entire Event to be held at
Ravenwood Golf Course

Reservation Deadline is... May 11, 2009
 (There is a limited amount of tickets this year on a first come basis)

		
<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM - 5:00 PM - Golf</p>	<p><u>Dinner:</u> 5:00 PM - 8:00 PM Catered By: Dinosaur Barbeque at Ravenwood Golf Course</p> 	<p>Four Man Scramble and Optional Skins Game.</p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

**NO TICKETS WILL BE SOLD OR DISTRIBUTED AT THE DOOR! RES HAS THE TICKETS THIS YEAR.
 TICKETS WILL BE MAILED TO YOU OR CAN BE PICKED UP AT THE
 ROCHESTER ENGINEERING SOCIETY.**

Please include check and make payable to:
"ASHRAE – Rochester Chapter"

Return this form....
 Mail prior to **May 11, 2009** to:
 Attention: Reservation Clerk
 Rochester Engineering Society
 150 State Street
 Rochester, New York 14614
Any questions, call (585) 254-2350
Email: res@frontiernet.net

Address where you would like your picnic tickets sent to:

Company: _____

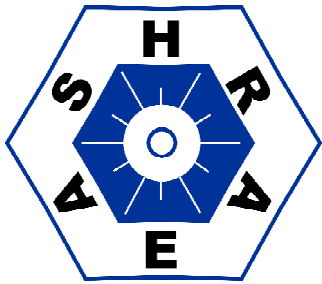
Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) _____ (Home) _____

Ticket Request Form			
Event	Fee Amount	No. Attending	Total
Golf	\$80.00		\$
Picnic	\$40.00		\$
OR:			
Golf and Picnic (SAVE \$10.00)	\$110.00		\$
Total amount enclosed:			\$



2009 ASHRAE PICNIC SPONSORSHIP FORM

Tuesday, May 19, 2009

		
<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM - 5:00 PM - Golf</p>	<p><u>Dinner:</u> 5:00 PM - 8:00 PM Catered By: Dinosaur Barbeque at Ravenwood Golf Course</p> 	<p><i>Four Man Scramble and Optional Skins Game.</i></p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

*Please include check (on notes put what
sponsorship you made)
and make payable to:
ASHRAE Rochester Chapter
and mail to:*

Attention: Mr. Joseph Pennise
R.P. Fedder Corporation
740 Driving Park Ave.
Rochester, New York 14613

*Any questions, call Joe at (585) 288-1600 ext. 109
Email: joep@rpfedder.com*

Please fill out info so we can **correctly recognize you or
your Company:**

Company Name: _____

OR

Individual Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) _____ (Home) _____

Sponsorship Form

Sponsorship Name	<i>X here for your Sponsorship</i>	Sponsorship Amt.
Gold - \$250.00 - Hole Sponsorship and Recognition at Picnic		\$250.00
Silver - \$150.00 - Hole Sponsorship		\$150.00
Bronze - \$100.00 - Recognition at Picnic		\$100.00
Prize Sponsor - \$175.00 - Longest Drive		\$175.00
Prize Sponsor - \$175.00 - Closest to Pin		\$175.00
Total Check Amount:		



Your technical training provider presents

Air Conditioning Fundamentals 2009

Target Audience: Any engineer, designer, technician, or assistant who wants to broaden their base in the fundamentals, will greatly benefit from this training.

Primary Benefit: Students will enjoy learning as much practical knowledge as possible about Air Conditioning Fundamentals. Students won't waste a great deal of time in theory. The typical student can immediately apply what he/she learns. Past attendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

2009 Course Offering (Rochester, NY): (This class is 3-days; Tuesday – Thursday)

1. [] Apr 14-16 'Product Fundamentals- I' (a brief 1-2 hour summary of the top 12-15 products in HVAC)
2. [] May 12-14 'Product Fundamentals- II' (more in-depth look at AHU, WSHP, RTU, Compressor Technologies)
3. [] Jun 9-11 'Airside Fundamentals- I' (Load Design and Psychrometrics)
4. [] Jul 14-16 'Airside Fundamentals- II' (Duct Design, Fans & Fan Laws, Acoustics and IAQ)
5. [] Aug 11-13 'Systems Fundamentals' (HVAC Systems, Ice Storage, Heat Recovery, etc...)

Note: For more information about each of these classes, log onto BeckerLearning.com

Registration Deadline: Each course will be filled on a first-come-first-reserved basis.

Payment Deadline: Complete Payment must be received prior to the start of the class.

Contact: Joe Becker, Becker Learning / 5980 Sheppard Road / Dansville, NY 14437
Phone: (585) 317-0000 Email: BeckerLearning@yahoo.com



More Details for 3- day courses:

Where: The specific Henrietta, NY location will be decided at least 30-days before the class & all attendees will be emailed all appropriate information in time to make hotel reservations.

Food: Lunch, mid-morning and mid-afternoon snacks & drinks are provided.

What is not included: Transportation, other meals & lodging.

Travel: Arrival: Since the seminar starts at 8:00 a.m., plan to arrive the night before.

Departure: You can book flights out of Rochester International Airport after 5:15 p.m. on Thursday since our Henrietta, NY location is less than 10-minutes from the airport.

Governmental Affairs Update

Welcome to ASHRAE's Government Affairs Update. Along with the redeveloped Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (<http://www.ashrae.org/advocacy>).

Please pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

ASHRAE Government Affairs Update, 3/20/09

- [Extended Daylight Saving Time Saves Energy, Says DOE](#)
- [U.S. Greenhouse Gas Emissions Increased 1.4% in 2007, Says EPA](#)
- [New York Launches Energy Efficiency Program for Colleges and Universities](#)
- [DOE to Invest \\$8 Billion in Weatherization and State Energy Grants](#)
- [Appropriations Act Provides Nearly \\$2 Billion in New Funding for EERE](#)
- [DOE to Host Webcast on Design Guide for K-12 School Buildings](#)



[Extended Daylight Saving Time Saves Energy, Says DOE](#)

People throughout most of the United States set their clocks ahead by one hour for the start of Daylight Saving Time, marking the third year in a row that Daylight Saving Time started three to four weeks early. The Energy Policy Act of 2005 shifted the start of Daylight Saving Time to the second Sunday in March, rather than the first Sunday in April, and extended it through the first Sunday in November, rather than the last Sunday in October. The shift started in 2007, and the intent was to save energy allowing people to take advantage of additional daylight in the evening hours.

Although some people argued that the increased use of lighting in the morning could easily cancel out the gains in the evening, the data suggest otherwise. A DOE report released last year found that U.S. electricity use was decreased by 0.5% for each day of the extended Daylight Saving Time, resulting in a savings of 0.03% for the year as a whole. The savings are small in percentage terms, but in absolute terms, they added up to 1.3 billion kilowatt-hours, enough to power about 122,000 average U.S. homes for a year. The DOE report did find small increases in electricity use in the early morning hours, but those increases were more than cancelled out by the energy savings in the evening. The shift was also found to have no effect on traffic volume and gasoline consumption. See the DOE report (http://www1.eere.energy.gov/ba/pba/pdfs/epact_sec_110_edst_report_to_congress_2008.pdf).

[U.S. Greenhouse Gas Emissions Increased 1.4% in 2007, Says EPA](#)

The net emission of greenhouse gases in the United States increased by 1.4% in 2007 according to a draft report released by the U.S. Environmental Protection Agency (EPA). The EPA found that U.S. emissions reached the equivalent of 7.125 million metric tons of carbon dioxide in 2007, up from 7.029 million metric tons in 2006. The EPA attributes the increase to a cooler winter, a warmer summer, a significant decrease in hydropower production due to drought, and an increased consumption of fossil fuels to produce electricity. The 2007 U.S. emission levels were 17.1% higher than the U.S. greenhouse gas emissions in 1990. The Kyoto Protocol, which the United States never ratified, would have called for U.S. greenhouse gas emissions to be reduced to 7% below 1990 levels by 2012. The EPA will accept comments on the draft report through early April. See the EPA report (<http://epa.gov/climatechange/emissions/usinventoryreport.html>).

The EPA is also proposing the first comprehensive U.S. system for reporting emissions of carbon dioxide and other greenhouse gases. The proposal only applies to the country's largest greenhouse gases emitters, which account for 85%-90% of the greenhouse gases emitted in the United States. That list includes companies that indirectly support greenhouse gas emissions, such as suppliers of fossil fuel and industrial chemicals and manufacturers of motor vehicles and engines. It also includes direct emitters of greenhouse gases with emissions equal to or greater than 25,000 metric tons per year, which is roughly equivalent to the emissions of 4,500 passenger vehicles. Most small businesses would fall below this threshold. Tallying both categories yields about 13,000 U.S. facilities that would be required to report their greenhouse gas emissions under the new rule. The EPA will accept comments on the rule until early May. See the proposed rule (<http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>).

Governmental Affairs Update (continued)

New York Launches Energy Efficiency Program for Colleges and Universities

The New York State Energy Research and Development Authority (NYSERDA) announced a new program to promote energy efficiency to colleges and universities across the state. The New York Energy SmartSM Focus on Colleges and Universities program will help higher-education institutions implement energy efficiency and sustainability practices, which will lower energy costs and reduce greenhouse gas emissions.

By identifying technical assistance and financial incentives, the program will help institutions maximize energy efficiency and achieve their environmental goals. NYSERDA selected Einhorn Yaffee Prescott, Architecture & Engineering (EYP), to help develop outreach strategies for colleges and universities. The institutions will use those strategies to support energy efficiency improvements in existing buildings or new construction projects.

The college and university sector is one of several that NYSERDA is targeting to help utility customers meet the state's goal of reducing electricity consumption 45 percent by 2015. The program aims to not only reduce electricity use, but promote sustainable building design and campus operations. Funding will be provided for energy efficiency improvements, new construction, renovations, or equipment upgrades. NYSERDA will encourage higher education institutions to share their energy-efficiency implementation strategies among themselves.

Funding for all New York Energy Smart programs, which NYSERDA administers on behalf of the New York Public Service Commission, comes from a charge on utility bills. The utilities that participate in the programs include: Central Hudson, Con Edison, NYSEG, National Grid, Orange and Rockland, and Rochester Gas and Electric.

For more information, see the NYSERDA press release (http://www.nysesda.org/Press_Releases/2009/PressReleas20090903.asp) and the Focus on Colleges and Universities program Web site (<http://www.nysesda.org/HigherEd>).

DOE to Invest \$8 Billion in Weatherization and State Energy Grants

DOE announced that it will invest nearly \$8 billion in state and local weatherization and energy efficiency efforts as part of the American Recovery and Reinvestment Act. The funds will be divided between the Weatherization Assistance Program, which will receive nearly \$5 billion, and the State Energy Program, which will receive nearly \$3 billion. This will help families save hundreds of dollars every year on their energy bills, while creating approximately 87,000 jobs. To jump-start the job creation and weatherization work, DOE is initially releasing \$780 million and will release more as the states demonstrate that they are using the funding effectively.

The State Energy Program funding will be used to provide rebates to consumers for home energy audits or other energy-saving improvements; to develop renewable energy and alternative fuel projects; to promote Energy Star products; to upgrade the energy efficiency of state and local government buildings; and other innovative state efforts to help families save money on their energy bills. The weatherization funding will improve the energy efficiency of the homes of low-income families by adding more insulation, sealing leaks, or modernizing heating and air conditioning equipment, at a cost of up to \$6,500 per home. The energy efficiency upgrades will be available for families making up to 200% of the federal poverty level. For a family of four, this translates to about \$44,000 per year in the lower 48 states, \$55,140 per year in Alaska, and \$50,720 per year in Hawaii. See the DOE press release (<http://www.energy.gov/news2009/7015.htm>), the Weatherization Assistance Program Web site (<http://www.eere.energy.gov/weatherization/>), and the State Energy Program Web site (http://www.eere.energy.gov/state_energy_program/).

Appropriations Act Provides Nearly \$2 Billion in New Funding for EERE

President Barack Obama signed an omnibus appropriation act into law, providing \$1.93 billion for DOE's Office of Energy Efficiency and Renewable Energy (EERE) for fiscal year (FY) 2009, which runs through the end of September. The funding represents a 13.5% increase above FY 2008 funding, which was \$1.72 billion. Although FY 2009 started in October 2008, DOE and many other federal agencies have been operating under a continuing resolution, awaiting congressional action on the appropriations act. The continuing resolution held spending levels equal to those set by the FY 2008 budget, but that all changed in February, when the American Recovery and Reinvestment Act of 2009 provided a one-time injection of \$16.8 billion into the EERE budget. Combining that economic stimulus funding with the FY 2009 budget yields a total budget of \$18.73 billion for EERE, an 11-fold increase above FY 2008 funding levels.

Of the \$1.93 billion in new funding for EERE, the act provides nearly \$169 million for hydrogen technology; \$217 million for biomass energy; \$175 million for solar energy, including \$30 million for concentrating solar power; \$55 million for wind energy; \$44 million for geothermal energy; \$40 million for "water power," which includes both conventional hydropower and tidal and marine technologies; \$273 million for vehicle technologies; \$140 million for building technologies, including \$33 million for the Commercial Buildings Initiative and \$25 million for solid-state lighting; \$90 million for industrial technologies, including \$7.5 million for energy-saving technologies for the steel, glass, and metal-casting industries and \$25 million to support distributed energy, combined heat and power, and advanced reciprocating engines; and \$22 million for the Federal Energy Management Program. Given the separate funding injection from the economic stimulus act, these funding levels are difficult to analyze, but they represent clear funding gains for nearly all of these technology programs, including a doubling in funding for geothermal energy and a four-fold increase in water power funding relative to FY 2008.

EERE's grant programs, international programs, infrastructure development activities, and other supporting activities also received funding increases under the appropriations act. The Weatherization Assistance Program received \$200 million, while the State Energy Program received \$50 million, adding to the \$8 billion directed through these programs by the economic stimulus act. The International Renewable Energy Program gained \$5 million in funding, while \$6 million will go toward tribal energy activities. For facilities and infrastructure, the act provides \$76 million, most of which will go to DOE's National Renewable Energy Laboratory, including \$41 million to complete construction of the Energy Systems Integration Facility. It also provides \$5 million for the Renewable Energy Production Incentive and nearly \$146 million for DOE program support and direction. The act also specifies that nearly \$229 million in funds will go toward congressionally-directed projects, also known as earmarks, an increase of nearly 23% above the funding earmarks specified in FY 2008.

[DOE to Host Webcast on Design Guide for K-12 School Buildings](#)

The U.S. Department of Energy, through its EnergySmart Schools initiative, is hosting a free, live webcast on Thursday, April 16, *Implementing Recommendations from the Advanced Energy Design Guide for K-12 School Buildings*. Presenters Paul Torcellini and Shanti Pless of the National Renewable Energy Laboratory will present a comprehensive overview of the Guide, which provides recommendations based on climate zones to achieve 30% energy savings over baseline standard in both new and renovation school building projects. Webcast participants who are also members of The American Institute of Architects (AIA) are eligible to receive 2.0 AIA/CES Learning Units (HSW/SD) for successful completion of the training.

For more information or to register see http://www1.eere.energy.gov/buildings/energysmartschools/aedg_webcast.html.

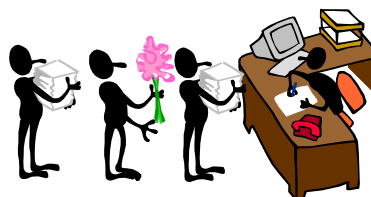


Buffalo Niagara Convention Center

Full information on the conference is at www.ases.org and then access the SOLAR 2009 link.

SOLAR 2009 is America's leading conference on the emerging trends, technology, and opportunities shaping the new energy economy. SOLAR 2009, introduces you to the leaders, innovators, and entrepreneurs moving the industry forward.

*April 22:
Happy
Administrative
Professional's Day*



Student Activities



Student Activities

The RIT students are still in need of some 10" x 10" and 12" x 12" opposed blade dampers and a couple of round 10" dampers. Please email me if you have something they can use.

I have a couple of resumes from RIT students looking for co-ops and permanent positions. If you are interested, give me a call or email.

I am still looking for older (pre-2005) Fundamentals volumes.

arodgers@pathfinderengineers.com
TEL (585)218-0730, Ext. 108

Al Rodgers, 2008-2009 Student Activities Chair



“Go Green” at the George Eastman House May 1st, 2009

The Eastman House has upgraded to a new HVAC energy efficient power plant. In bringing all the agencies together (ASHRE, BOMA, IFMA, AFE, UGBN and RBS), you will see how the Eastman House has updated their operations to conform to the 21st Century. There will be tours, Vendor tables, discussions, etc.

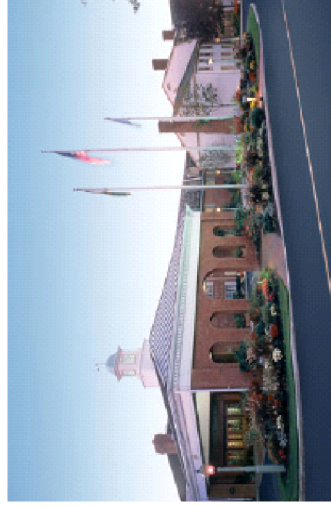
Free admission tickets will be available to those who wish to attend, along with food and drink.



Accommodations

The Desmond
660 Albany Shaker Road
Albany, NY 12211

Call (800) 448-3500 to reserve your room.
Special ASHRAE room rate of \$148 per night + taxes
if reserved by **August 6th, 2009**.
Reserve with Group Id: 11E8VV
www.desmondhotels.com

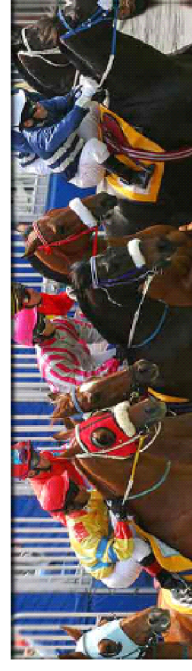


Area Attractions

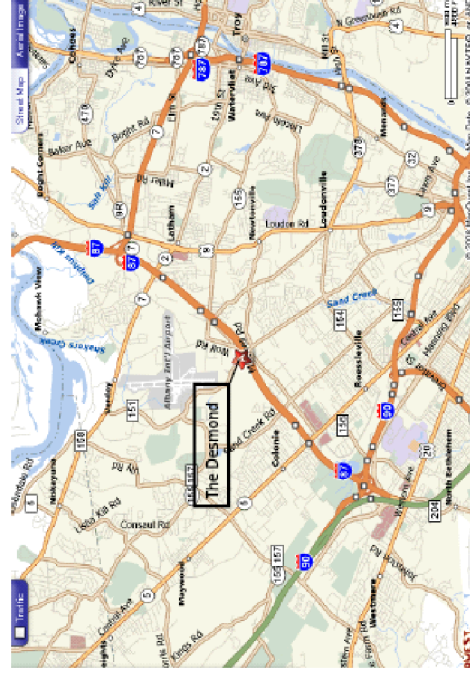
- New York State Museum
- Saratoga Thoroughbred Race Track
- Saratoga Gaming & Harness Track
- U.S.S. Slater WWII Destroyer
- Half Moon historic sailing ship
- Historic Shaker Village
- Historic Downtown Saratoga
- Lark Street / Pearl Street Club Districts
- Adirondack Mtn. Region
- Historic Saratoga Spa
- Ft. William Henry/Lake George
- Saratoga Battlefield National Park
- Albany Aqua Duck Tours
- Hudson River Cruise

ASHRAE Region I Chapters Regional Conference

Hosted by: The Northeast Chapter Albany, NY



August 27th—29th 2009



The Desmond is conveniently located off Exit 4 of the Northway I-87 (Albany Airport Exit) . From North on I-87: Take Northway (I-87) to Exit 4 – Albany Airport exit. On ramp, bear to right. At end of ramp is traffic light, go left onto Old Wolf Road. At the next light, make a right, you will immediately see Desmond on your left. From South on I-87: Take Northway (I-87) to Exit 4 – Albany Airport Exit. At the end of the ramp, go left on Wolf Road. At next light, go left onto Albany-Shaker Road, pass under highway and go 200 yds, you will see Desmond on your left.



CRC 2009 Conference Agenda

Thursday, August 27

All Day	Registration
9:30am-2pm	Golf
2:30pm-4:30pm	Tech Session I:
	Steam Theory and Application
2:30pm-4:30pm	Tech Session II:
	Nanotechnology
4:15pm-6:30pm	Welcome & 1st Business Meeting
7pm-10pm	*Welcome Reception
10pm	Hospitality Suite Open

Friday, August 28

All Day	Registration
All Day	Hospitality Suite Open
7am-9am	*Breakfast
8am-9:45	Caucus
9:30am-4:30pm	Saratoga Outing for Companions (Lunch not included)
10am-11:45pm	Chapter OPS Workshop
12pm-1:30pm	*Lunch with distinguished lecturer
1:45pm-3:45pm	Executive Session
6pm-8pm	*President's Dinner
8pm-10pm	Casino Night

Saturday, August 29

7:30am-10am	Registration
7am-9am	*Breakfast
8am-9:30am	2nd Business Meeting
9am-11am	Aqua Duck Tour for Companions
9:30am-12pm	Workshops
12pm-2:30pm	*Awards Luncheon
2:45pm-4pm	3rd Business Meeting

Welcome Reception

Thursday, August 27th at 7 pm

The Desmond

Hotel & Conference Center



Please Join us for

Hors d'oeuvres!

Drinks!

Good Times!

For further information please contact:

Stan Westhoff, CRC General Chair

Unilux Advanced Manufacturing

518-344-7490

swesthoff@uniluxam.com

Registration Form

Complete one form per family attending

<input type="checkbox"/>	Full Package w/Golf*	\$440	<i>Late Fee</i>
<input type="checkbox"/>	Full Package (no golf)*	\$330	\$550
<input type="checkbox"/>	Companion Pkg w/golf*	\$260	\$410
<input type="checkbox"/>	Companion Package (no golf)*	\$150	\$325
<input type="checkbox"/>	One Day Registration**	\$205	\$190
<input type="checkbox"/>	Awards Luncheon	\$55	\$275
<input type="checkbox"/>	Technical Sessions	\$70	\$65
			\$90

Deadline: July 15th to avoid late fee!

* Includes all meals (see agenda)

** Includes Breakfast and Awards Luncheon (Sat.)

Totals

Name _____

Companion _____

Address _____

City State Zip _____

Phone _____

Email _____

ASHRAE Chapter _____

Chapter Officer _____

Committee Chair _____

Make Checks Payable to:
Northeast Chapter CRC 2009
Mail to:
ASHRAE Northeast Chapter
PO Box 13933
Albany, NY 12212-3933

Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor, Christina Wal-

ter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R industry.



ASHRAE 2008/2009 MEETING SCHEDULE

DATE	EVENT	LOCATION	SCHEDULE
4/13/2009	Refrigeration Tour	Blue Cross Arena	5:30 Dinner 7:00 Tour
4/22/2009	ASHRAE Satellite Broadcast Indoor Air Quality	Bathtub Billy's	12:00-1:00 Lunch 1:00-4:00 Broadcast
5/19/2009	Annual ASHRAE Golf Outing and Picnic	Ravenwood Golf Club	8:00 AM Golf 2:00 PM Picnic 6:45 PM Dinner

Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space. Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Rochester Chapter Officers





Society News: **ASHRAE Rolls into Louisville for 2009 Annual Conference**

ATLANTA – The pounding hoof beats into the final turn. Ice tinkles in the glass of a frosted mint julep. The plaintive echoes of rivercraft are heard as they signal the drawbridge. These are the sights and sounds of Louisville...the home of ASHRAE's 2009 Annual Conference.

"*Rolling on the River* serves as the conference theme and echoes ASHRAE's mission," Bill Harrison, ASHRAE president, said. "A steady flow of rapidly advancing standards and research, both complimented by our technical and educational program, will enhance ASHRAE's ability to drive the ongoing transformation to a more sustainable built environment."

The ASHRAE Annual Conference takes place June 20-24. To register or for more information, visit www.ashrae.org/louisville. Most events take place at the waterfront Galt House Hotel.

The ASHRAE technical program, with nearly 100 sessions, focuses on optimal indoor air quality. It begins Sunday, June 21, and ends Wednesday, June 24, with all sessions at the Galt House. Complete program details will soon be available at www.ashrae.org/louisville. The technical program features a large building systems

track that begins with an introduction to large buildings and addresses sustainable large building design, energy modeling, smoke control and specifically indoor sports facilities, entertainment venues, and museums and libraries. Other tracks with multiple programs include systems and equipment, indoor air quality, energy and sustainability.

The conference keynote speaker is Susan Roaf, professor of architectural engineering at Heriot Watt University, Edinburgh. Roaf's thought-provoking comments include a range of building- and climate-related risks that individuals will face in the future along with a range of actions that homeowners and legislators can take to future-proof lifestyles against the growing challenges of the 21st century. She speaks at the Plenary Session on Saturday and the technical plenary on Sunday.

The ASHRAE Learning Institute offers two full-day professional development seminars and four half-day short courses, focusing on a range of HVAC&R related topics. New sessions include *Data Center Energy Efficiency* and *Air-to-Air Energy Recovery Systems*. ASHRAE's Standard 90.1 course has been revamped to focus on using the standard to meet LEED and federal tax credit requirements.

ASHRAE also launches its newest certification program – Commissioning Process Management Professional. The certification recognizes that those who manage the commissioning process need to have people- and project-management skills in addition to knowledge of building design, construction, operations and maintenance. For more information, visit www.ashrae.org/cpmp.

ASHRAE technical tours offer an inside view of how technology developed by members is practically applied in building environments. Tours include the central steam and chilled water plant at Louisville Medical Center, an HVAC system for a Class 100/1000 cleanroom at the University of Louisville, the CMTA Corporate Headquarters Building, and the Scribner Place YMCA and Aquatic Center.

In addition, ASHRAE President-Elect Gordon Holness, P.E., Fellow ASHRAE, Life Member, a consulting engineer and chairman emeritus, Albert Kahn Associates Inc., Detroit, Mich., takes office as 2008-09 president. Holness presents his inaugural address at the president's luncheon on Monday, June 22, focused on energy efficiency in existing buildings.

Disclaimer

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From the Editor's Desk

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of its members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

Reminder

Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.

