

The Central New Yorker

ASHRAE Newsletter

The CNY Chapter of the American Society of
Heating, Refrigerating and Air Conditioning Engineers

The President's Message

Chapter Officers

President – Rae H. Butler, PE

Ph: 492-2445

Email: rae@buildingenergysolutions.net

President Elect – Steven Sill

Ph: 754-8001 x: 3950

Email: cfox@oco.org

Vice President and Programs – Bill Walter

Ph: 432-6267

Email: william.f.walter@carrier.utc.com

Secretary – Brett Fero, PE

Ph: 455-2000

Email: bfero@cscos.com

Treasurer – Mike Kingsley, PE

Ph: 437-1869

Email: michael.L.kingsley@saic.com

Historian – Paul Britton

Ph: 446-4587

Email: pbritton4@twcny.rr.com

Research Promotion – Mark Yonnick

Ph: 298-8516

Email: Mark.yonnick@fulton.com

Membership Promotion – John Mix

Ph: 432-6889

Email: john.mix@carrier.utc.com

Webmaster – Tom Buswell

Ph: 432-6510

Email: tom.buswell@carrier.utc.com

Student Activities – Charles Bertuch, PE

Ph: 422-5200

Email: cbertuch@bergmannpc.com

Chapter Technology Transfer Chair – Don Howell

Ph: 403-7716

Email: dhowell@ramtechengineers.com

Hospitality – Donald Middleton

Ph: 422-5200

Email: dmiddleton@bergmannpc.com

Past President – Jim Walker

Ph: 471-0105

Email: jwalker@rfpeck.com

Last month's program on High Performance was well attended and interesting. While the HVAC engineers have decreased the energy usage of our systems while maintaining comfort, the ever increasing plug loads have reversed the trend of decreasing building energy usage. For those that want to reduce energy usage in buildings (and are not engineers), need to understand the role and impact of these plug loads.

One way that we increase plug loads at this time of year is Christmas Lights! Yes it is that time of year, next week we will have our annual Holiday Dinner at Grimaldi's, 6430 Yorktown Circle, (off Carrier Circle). See Program schedule for details. Please bring a spouse or friend as there is no technical program, just good food and friends. A nice way to start the season. Please make reservations at our website or email.

So if we want to reduce energy usage but loads keep being added, will people need to develop more of a tolerance for temperatures that stray from 72 F? Maintaining 78 F during summer, as many agencies already require but do not enforce, would save a lot of energy and reduce peak load on the grid.

Happy Holidays and a better New Year.

Rae Butler, CNY Chapter President

ASHRAE Monthly Meeting:

No meeting in December but please join us for the Holiday Dinner on December 8 at Grimaldi's.

We have a new website address: <http://www.cnyashrae.org>,
this can be used to make reservations and chapter information.

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2010/2011 CNY ASHRAE Programs

At our November meeting Gordon Holness discussed multiple aspects of High Performance Buildings and the need to go beyond energy and sustainability and even beyond basic codes and standards. Gordon left us with a copy of his presentation, which we have posted on the chapter web site. You can see it by going to the Calendar of Events and clicking on the link under the November meeting.

December 8, 2010

Holiday Party

This year's holiday party will be held at Grimaldi's, 6430 Yorktown Circle, East Syracuse. Dinner price will be \$25.00 per person with a cash bar. We will meet at 6:00 for a social hour and dinner will be served at 7:00.

Dinner will begin with an antipasto for the table followed by your choice of an entrée from the following: Rita's Rigatoni Ragu, Sea Bass, Chicken Under the Brick, Sliced Filet. Desert they will be serving a chocolate cannoli cake.

Please have you reservations in by Friday, December 3rd. Reservations can be made by calling Don Middleton at 315.422.5200 x768 or online at the chapter web site (<http://centralnewyork.ashraechapters.org/index.htm>)

October 13, 2010

Topic: ASHRAE Foundation: An Overview, Speaker: Bert W. Huffman, MPA, CFRE, Director of Development, ASHRAE

November 10, 2010

Donor Recognition Night / Student Night

Topic: High Performance Buildings - What Are They & What Does It Take To Achieve Them

Speaker: Gordon Holness, ASHRAE Distinguished Lecturer

December 8, 2010 (Holiday Party at Grimaldi's, 6430 Yorktown Cir, East Syracuse)

January 12, 2011

Membership Promotion Night

Event: Tour of King & King Architects LLP, 358 W Jefferson St., Syracuse, NY

Dinner at the Dinosaur Bar-B-Que, Willow Room.

February 9, 2011

Student Chapter Night

Topic: Energy Audits in Commercial Buildings, Speaker: Ian Shapiro, Taitem Engineering

March 7, 2011 (MONDAY)

History Night / Announce slate of officers

Topic: ASHRAE Historical Committee, Speaker: Jerry Groff

Topic: Modeling a Sustainable World, Speaker: Lynn Bellenger, ASHRAE President

April 13, 2011

Research Promotion Night / Election of Officers

Topic: Variable Refrigerant Flow Systems, Speaker: Julian de Bullet, ASHRAE Distinguished Lecturer

May 11, 2011

Install Officers

Event: Tour of Fulton Boilers

Dinner at the River House

June, 2011

66th Annual Clambake at Hinerwadel's Grove, 13th Annual RP Golf Tournament (June 13th)

Did you know that you can endow your financial contribution to ASHRAE Research? By making a single contribution now of \$2,500 to the ASHRAE Foundation, a \$125 contribution to ASHRAE Research will be made in your name, every year, in perpetuity. Please contact me if you would like additional information or feel free to contact Mr. Bert Huffman, ASHRAE Director of Development.

ASHRAE has asked we announce our Region accomplished 100% participation in the recent Full Circle drive. These donations are critical to the continued success of Research Promotion and a note of thanks to our CNY Chapter Officers for their contribution.

As the weather turns colder in CNY, we thought we'd give everyone something to look forward to...

- The CNY ASHRAE Clam Bake will be held on Thursday, June 9th at Hinerwadel's Grove
- Our Chapter Golf Tournament will be held the following Monday, June 13th at Fox Fire Golf Course. Hold those dates in your 2011 calendar!!

— Mark Yonnick, *RP Chair*
mark.yonnick@fulton.com

GSA Requires LEED Gold Certification for all New Buildings and Major Renovations

The GSA has announced the upgrade of the current LEED Silver certification requirement to LEED Gold certification for all New Buildings and Major Renovations. This was enacted to meet new energy guidelines set in motion by the government to increase sustainability and energy efficiency in government properties. Additional guidelines are as follows:

- The GSA is requiring projects current in design and funded prior to this year are to be LEED Gold certified where possible depending on possible schedule and cost impacts.
- The GSA's leased projects under 10,000 SF shall remain at LEED Silver Requirements.
- For Leases in Existing Buildings LEED for Commercial Interiors is optional, at the request of the tenant agencies.



Mohawk Valley Community College
Center for Corporate and Community Education

Advanced Hydronic System Design Concepts

December 16, 2010
MVCC
1101 Sherman Dr.
Utica
IT 225
8 AM - 4:30 PM
\$299
Register Today!
315.792.5300



TOPICS TO BE COVERED INCLUDE:

- Hydraulic separation - moving beyond primary/secondary piping - why and how
- Distribution efficiency and the future of hydronic circulators
- How modern hydronics can greatly enhance ground source heat pump systems
- Radiant wall and ceiling panels
- Minitube distribution systems for large radiant floor heating applications
- BTU metering - a technology that is set for major growth in North America

**7 Professional Development Hours
for Engineers / 0.7 CEUs**

Hydronic heating technology continues to advance to meet the needs of systems using conventional, as well as, renewable heat sources. This seminar examines several of the latest developments in hydronic technology for a wide range of applications. These techniques reduce fuel use and the electrical energy needed to deliver heating or cooling to the building. They also pave the way for future use of hydronics in low energy use buildings. A specialized technique for implementing floor heating in larger commercial/industrial buildings also will be discussed.

Instructor: John Siegenthaler, P.E.



John Siegenthaler, P.E., is a mechanical engineering graduate of Rensselaer Polytechnic Institute, a licensed professional engineer, and Professor Emeritus of Engineering Technology at Mohawk Valley Community College. "Siggy" has over 30 years of experience in designing modern hydronic heating systems. He is a hall-of-fame member of the Radiant Panel Association, and a presenter at national and international conferences on hydronic and radiant heating. John is principal of Appropriate Designs – a consulting engineering firm in Holland Patent, NY. The 3rd edition of his textbook - Modern Hydronic Heating will be released in December 2010. John currently writes about hydronic heating and solar thermal system design for several trade publications including: Plumbing & Mechanical, PM Engineer, Supply House Times, and Heating, Plumbing, and Air Conditioning (Canada).