



Capitalaire

www.nccashrae.org

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

President's Corner

The biggest snowstorm in the recorded history of the Washington, DC area brought the region to a standstill, and the regularly scheduled National Capital Chapter of ASHRAE meeting had to be cancelled as well. I hope you all made it through the last few weeks of snow, ice, and traffic jams without major problems. The Chapter will reschedule the February meeting for May 12th. Please mark your calendars and look for the meeting announcement.

Engineers Week was held on the week of February 14-20. The Discover Engineering Family Day was again a successful event on February 20, 2010, at the National Building Museum. NCC ASHRAE had a booth as every year and we went through over 1000 balloon and over 2000 snake experiments with the kids. Thank you all who volunteered to support this worthy event.

I would like to bring to your attention ASHRAE's webcast "Right from the Start – Commissioning for High Performing Buildings." The webcast will take place on Wednesday April 21st, 2010. Online registration starts March 2nd at www.ashrae.org/education/page/557. You can earn three (3) Professional Development Hours (PDHs) or (3) AIA Learning Units by attending the webcast.

As the end of the 2009-2010 year approaches for the National Capital Chapter's monthly meetings, I would like to remind you that there are three more chances to receive PDH certificates through the PES programs held before the dinner program; March the

10th, April 14th and the newly added May 12th meeting. Please see the calendar on the Chapter's website for more information (www.nccashrae.org).

Please remember that the ASHRAE Technology Awards program application deadline is in March. The program provides an opportunity to recognize ASHRAE members who design and/or conceive innovative technological concepts; communicate innovative systems designs to other ASHRAE members. Please contact Natalyia Olson (nvolson@gmail.com) with any questions.

March Meeting

Our next Chapter meeting will be on March 10th at the Arlington Hilton. The theme of the March meeting is Refrigeration.

The PES program will cover Duct Design/Testing and Balancing and the Dinner Program will be a presentation on ASHRAE Research Project 1292 (Series vs. Parallel boxes).

We will also announce the National Capital Chapter of ASHRAE Board of Governors nominations for the 2010-2011 years.

Please remember to pre-register online for these programs before March 5th.

*Best regards,
Kinga Porst
NCC President – 2009-2010*

PES: Duct Design/Testing and Balancing

This month's presentation will take place in a panel type discussion for an interactive and engaging setting. The topics to be covered will be duct design, construction issues, sealing of equipment, as well as highlights of the new duct manual along with testing and balancing issues. Multiple speakers have volunteered from SMACNA to ensure the success of this PES session.

Speakers: Richard Freeman, Eli Howard, Stan Fleischer

Richard, (Rick) Freeman has been with Stromberg Metal Works, Inc. for almost twenty years and has been in the sheet metal industry for almost thirty years. Rick began his career as a Sheet Metal Apprentice in Local #102, (now Local #100) in Washington DC. He then began moving up the manage-

ment ladder and has served such roles as draftsman, foreman, and project manager. Rick was then promoted to Vice President and now serves as his company's Executive Vice President. Rick currently serves a member of the Sheet Metal and Air Conditioning Contractors' National Association, (SMACNA) Board of Directors. He was a Task Force member who helped to re-write the new SMACNA HVAC Air Duct Leakage Test Manual that is scheduled to be released in the next few months. He is also the Past-President of SMACNA's Mid-Atlantic Chapter and is currently the Chairman of the Education Committee of SMACNA's Mid-Atlantic Chapter. In addition, he also serves on the Advisory Committee for the DC Metropolitan Subcontractors Association, (DCMSA).

Rick will be accompanied by Eli Howard and Stan Fleischer for this presentation.

Dinner Program: ASHRAE Research Project 1292 (Series vs. Parallel boxes)

Every day, consulting engineers in the HVAC Industry are faced with the challenge of selecting the best design for their projects. With LEED and the importance of energy efficiency requirements, this can be a difficult task. Engineers must understand the value and tradeoffs associated with one offering over another. This presentation will cover the findings of ASHRAE Research Project 1292-RP, Comparison of the Total Energy Consumption of Series versus Parallel Fan Powered VAV Terminal Units. This research is important for engineers deciding which unit to use for the best energy consumption versus comfort and IAQ for their project.

Speaker: Gus Faris

Gus Faris has over 40 years of experience in the air conditioning and air distribution business. He is the Director of Engineering for Nailor Industries, Inc. with direct responsibility for product design and development, quality assurance, field service and IT. Mr. Faris is active in AHRI Air Control and Distribution Devices section and subcommittees 880 and 885 as well as AHRI Heat Transfer Products section and Room Fan Coil subcommittee Chair. He is also past Secretary of ASHRAE SPC 130 and also TC (Technical Committee) 5.3 (Air Distribution), past Chairman of ASHRAE RP 1292, Chair of TC 5.3,

ASHRAE Sustainability

In 2006, ASHRAE published a comprehensive sustainability roadmap. Key goals developed include:

- Expand efforts to foster sustainable buildings.
- Conduct operations in a sustainable manner.
- Lead technology research that enable the design and application of sustainable HVAC&R equipment and systems.
- Integrate building sustainability principles into all ASHRAE standards, guidelines, and publications.
- Partner with related advocacy organizations where strengths are complementary.
- Develop materials and programs related to sustainability to educate and inspire the current and next generation of members.

As we move through this new decade, the leadership of the National Capitol Region chapter is committed to addressing sustainability head-on. Over the next months, a local action plan will be developed. If you're interested in participating in this effort, please send an email to Roger Chang (rchan@wrldesign.com) with a brief description of your interest and background.

For more information on ASHRAE's sustainability resources, visit: www.engineeringforsustainability.org

The 2006 roadmap can be found here: http://www.engineeringforsustainability.org/docs/sustainability_roadmap.pdf



National Capital Chapter of ASHRAE 2009-2010 Meeting Schedule

| Date | Theme | PES Program | Dinner Program | Location |
|----------|----------------------------|--|--|---------------------|
| Feb. 10 | | Cancelled Due To Weather | | |
| Mar. 10 | Students/ Refrigeration | Testing and Balancing | ASHRAE Research Project 1292 (Series vs. Parallel Boxes) and Energy Use/LEED Ramifications | Hilton Arlington |
| April 14 | Research | Clean Room Presentation | Energy Conservation Laboratories | Hilton Arlington |
| May 12 | | Design of Commercial Ground Source Heatpumps | ASHRAE Standard 189 | Hilton Arlington |
| Tour | TBA | TBA | | TBA |

Visit www.nccashrae.org for Monthly Updates