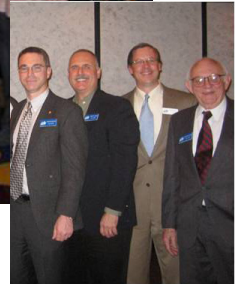


Capitalaire

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



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National Capital Chapter of ASHRAE

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Capitalaire is the publication of the National Capital Chapter of ASHRAE. *Capitalaire* welcomes input from its readers. Please send all communications to:

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President's Corner

I hope that everyone had a good summer and is now ready to begin the new ASHRAE year. Our chapter is already off to a fast start. The annual Chapters Regional Conference was held in Delaware August 12th-14th. Because of the dedication of our officers and committee chairs, we had very good turnout. The conference provides very good insight on how chapters operate and provides guidance to all board and committee members. I would like to thank to those who volunteered their weekend to attend the conference.

Earlier this summer we wrapped up the 2009-2010 ASHRAE year with the annual golf tournament on June 4th. Thank you to all the volunteers, participants and sponsors that helped make this event possible. I would like to specially thank to Golf Committee Chair Andy Tech and to those who served on the committee and assured its success.

We have been fortunate again this year to have some great people dedicating their time and efforts to head our committees. This year we have a very energetic and young group of people who are building the success of our industry's future. We also have a large number of successful female engineer volunteers demonstrating growing diversity in our industry.

In order to maintain this positive trend we are continuously looking for new volunteers. So if you would like to serve on a committee, see the committee chair or myself and let us know what areas are of your

interest. You can find descriptions of our committees on the Chapter website.

We have some exciting and informative programs on tap for this year. I hope that you will find them interesting and relevant and they will increase Chapter meeting attendance. This is your Chapter, and we depend on the support and participation of our members so I encourage everyone to attend these meetings and provide your feedback.

Our first meeting will take place on September 15th at the Arlington Hilton. This will be a great way to kick-off the year because of the central and metro accessible location and essential topics of Energy Models and ASHRAE Building Energy Quotient. The officers and Committee Chairs will be fresh from the Chapters Regional Conference in Delaware and will be able to share news from the society, chapter awards and plans for the upcoming year. I hope that you will be able to join us at this meeting and throughout the year. Increased attendance at the monthly meetings will only serve to strengthen our chapter. Please remember to pre-register online for these programs before September 4th.

Best Regards,
Tansu Sengezener
National Capital Chapter President 2010-2011

Schedule

Time	Event
3:15-6:00 PM	PES
5:45-6:30 PM	Social
6:30-7:15 PM	Dinner
7:15-7:45 PM	Program
7:45-8:15 PM	Wrap-up
8:15 PM	Adjourn

Costs

	Dinner	PES
ASHRAE Student Members	\$15	\$10
Paid NCC Dues Members with Reservations	\$25	\$30
Paid NCC Dues Members Without Reservations	\$30	\$30
ASHRAE Members with/without Reservations	\$35	\$30

To make reservations, visit www.nccashrae.org.



National Capital Chapter of ASHRAE

2010-2011 Meeting Schedule



Date	Theme	PES Program	Dinner Program	Location
Sept. 15	YEA/ Membership	Energy Models	ASHRAE Building Energy Quotient	Hilton Arlington
Oct. 13	Awards/Joint Meeting with IEEE	Emergency Power Systems (Generators/ Fuel Oil Systems)	UPS	Hilton Arlington
Nov. 10	Trade Show	Engineer/Contractor Interaction	Trade Show	Bethesda Marriott
Dec. 8	Presidents/ Membership	Boilers	National Energy Policy	Hilton Arlington
Feb. 9	Students/ Refrigeration	Commissioning Forum	Liquid Dessicants	Hilton Arlington
Mar. 16	Sustainability/ Joint Meeting w/ USGBC	Sustainability	Integrated Project Delivery/ Integrated Form of Agreement	Hilton Arlington
April 13	Research	Filtration	Hospital Ventilation	Hilton Arlington
May TBA	Tour	TBA		TBA

Visit www.nccashrae.org for Monthly Updates

PES Program: Energy Modeling

This program will focus on trends in buildings and energy simulation. The buildings industry faces many challenges and opportunities over the next few decades. The buildings touted today as ‘most energy-efficient’ or ‘green’ would not be possible without energy simulation – but no single simulation tool can model all aspects of our buildings today. Over the next ten years, changes in building technology – particularly wireless controls and solid-state lighting – will profoundly alter how our buildings are designed, built, and operated. This presentation provides an overview of trends and drivers affecting the building industry as well as the simulation tools of tomorrow.

Speaker: Drury B. Crawley, Ph.D.

Dr. Crawley leads a team developing a new generation of building performance software for energy and sustainability at Bentley Systems. Prior to joining Bentley in early 2010, he led DOE’s Commercial Building Initiative – working to achieve cost-effective net-zero energy commercial buildings by 2025, including the Commercial Building Energy Alliances and Commercial Building National Accounts. He was

also responsible for managing the U.S. Department of Energy’s building energy software tools research and development activities including EnergyPlus (winner of an R&D100 Award in 2003), Open Studio plugin for Google SketchUp, and DOE-2.

With 30 years of experience in buildings energy efficiency, renewable energy, and sustainability, he has worked in software development, government research and standards development organizations, as well as building design and energy consulting companies. A registered architect, he completed his Ph.D. in Mechanical Engineering in 2009 on the topic of building simulation as a policy tool, looking at the potential impacts of climate change on the built environment at the University of Strathclyde in Glasgow, Scotland.

He is a Fellow and Distinguished Lecturer in ASHRAE, and is also active in AIA, IBPSA, and USGBC and serves on the editorial boards of the three international journals. He has published more than 100 papers and articles and made more than 250 presentations on building energy efficiency, sustainability, and renewable energy topics throughout the world.

Dinner Program: ASHRAE’s Advanced Building Energy Labeling Program – Building Energy Quotient (“bEQ”)

This program will provide a briefing on ASHRAE’s Building Energy Quotient (“bEQ”) advanced building energy labeling program (ABEL.) The presentation will provide an overview of the bEQ development process, purpose and scope of the bEQ process, procedures for conducting As Designed (Asset) and In Operation (Operational) ratings, certifications for modelers and criteria for Qualified Energy Assessors, bEQ labels, certificates and documentation of energy design features, on-site survey procedures and pilot program results to-date. Plans for roll-out of the bEQ program in 2011 will be discussed.

Speaker: Harry Misuriello

Harry Misuriello is a Visiting Fellow at the American Council for an Energy-Efficient Economy (ACEEE) and is engaged in advocacy for energy-efficient new residential and commercial construction through development, adoption and enforcement of building energy codes. Prior to joining ACEEE, Misuriello was Manager of Energy Efficiency Strategies at Owens Corning and Director of Buildings and Utility Programs at the Alliance to Save Energy. He is a voting member of the ASHRAE Standard 90.1 Committee, and serves on the Presidential Ad-Hoc Committee developing the ASHRAE Building Energy Quotient (“bEQ”) advanced building energy labeling program. Misuriello also served on the ASHRAE committees that produced the Advanced Energy Design Guides for small office and retail buildings. He has 35 years experience in the field as a consulting firm executive and energy efficiency advocate.