Meeting Wednesday April 13, 2011

2 PDH Credits Approved

Presentation: Basics of Room Air Distribution and Air Distribution Performance Index (ADPI)

In the main presentation, Distinguished Lecturer Dan Int-Hout will present the basic physics of air distribution. The following points will be addressed: Diffuser performance terminology, Air Diffusion Performance Index (ADPI) definition and purpose, Diffuser selection methods for cooling and heating applications, Common air distribution devices, Selecting and positioning air distribution components, System parameters for effective air mixing, Well mixed (Inductive) air distribution, Overview of non-inductive air distribution, LEED requirements for air distribution, ASHRAE Thermal Comfort Standard 55-2010 and determining optimum comfort strategies, Requirements of ASHRAE Ventilation Standard 61.1-2010 and air distribution component selection, and Diffuser selection effect on project cost.

Tech Session: Introduction to Hydronic Heating and Cooling (Chilled Beams)

In the tech session, Rob Brown of Price Industries will present the following topics on chilled beams: Background Information on types of overhead hydronic heating and cooling systems, Overview of types of devices, theory and design parameters, Radiant Panels, Radiant Sails, Passive Beams, Active Beam, Architectural aspects of Hydronic Systems, Humidity Control, and Acoustics.

Place: Casa Rina, 886 Commerce Street, Thornwood, NY 10592

Program:
- 5:30 - 6:00 PM Attitude Adjustment Time
- 6:00 - Dinner
- 6:30 - 7:00 PM Tech Session
- 7:00 - 7:15 PM Coffee
- 7:15 - 9:00 PM Presentation

Directions to Casa Rina

From Saw Mill Parkway - North or South
Exit at Marble Avenue - Exit # 27
Make right - continue to second traffic light
Make right onto Commerce Street
Casa Rina is the second house on your left.

Please make reservations by contacting either:
Nicholas Salomone — nsalomone@olace.com 914-919-3140
Enzo Carlesimo — ecarlesimo@collado-eng.com 914-332-7658
President’s Message
By Enzo A. Carlesimo

On behalf of the entire Chapter, I would like to extend our gratitude to the facilities management group of the New York Power Authority (NYPA) for hosting such an insightful tour of their headquarters in downtown White Plains. I am certain that all the attendees learned how the right combination of green building strategies can lead to LEED accreditation. Our upcoming meeting on April 13th will take place at our usual venue, Casa Rina Restaurant, and it promises to be yet another interesting and informative evening. We will be having our Tech Session on chilled beams which I am really looking forward to. While relatively new in North America, chilled beam air conditioning systems are a proven “green” solution and very popular in Europe, Australia and other parts of the world. Hopefully, our presenter will be able to show us what we have been missing out by sharing some insight on this cutting edge technology. Dan Int-Hout, Chief Engineer for Krueger Air Distribution and ASHRAE Distinguished Lecturer, will be giving the Main Presentation on “Effective Room Air Distribution.” I am also looking forward to Dan’s presentation as well because anyone knows even if you can size a forced air HVAC system properly and the air distribution system is designed incorrectly, you have only done half the job, and the client will be very dissatisfied. Designing a good air distribution system involves much more than just looking at the NC levels and throws for respective air outlets. I am certain that Dan will give all of us a crash course on how to do it the right way. I hope to see you all on the 13th!

Enzo A. Carlesimo
Bi-State Chapter President

Membership Promotion — Erica L. Ross, Chairman

ASHRAE is the world’s leading organization for HVAC&R professionals. As the builders and engineers for the next generation, we look to ASHRAE to set the standard for our design work. As a member of ASHRAE you are exposed to many additional benefits. With membership have access to over 15,000 publications and articles in the ASHRAE bookstore, you gain access to a world of knowledge. Also, many of the licensing boards require professional credits toward credential renewal. With on site lectures, dinner meetings, and webcasts, your local Bi-State Chapter can bring these credits to you. So, come to our next meeting, bring a co-worker and find out who else shares your commitment to the future. Remember to find us on facebook at http://www.facebook.com/BISTATE.

UN Climate Chief Warns on Kyoto Protocol Deadline

Commitments by most developed countries to cut carbon emissions are likely to expire at the end of next year without a new round of legally binding pledges, the UN’s climate chief warned recently. Christiana Figueres said governments needed to start preparing for a gap on the expiry of pledges under the Kyoto Protocol, which forms the foundation of the world’s efforts to cut the emissions that are blamed for global warming.

“Governments have to face the fact that a gap in this effort looks increasingly impossible to avoid,” Figueres told reporters in Bangkok during the UN’s first round of climate talks for the year. “In 2011 they need to figure out how to address this issue and how to take it forward in a collective and inclusive way. Resolving this will create a firmer foundation for an even greater collective ambition to cut emissions.”

Signed in 1997, the Kyoto Protocol saw most developed nations agree to legally binding agreements in curbing their greenhouse gas emissions. Those commitments are due to expire at the end of 2012. But Japan and Russia have firmly opposed extending the protocol because it excludes the world’s two biggest polluters -- China and the United States -- and therefore only covers about 30 percent of global emissions. China did not have to commit to cutting emissions because of its status as a developing country, while the United States refused to ratify the protocol.

Residential Programmable Thermostats’ Usability Impacts Effectiveness

Homes with programmable thermostats are not saving as much energy as expected and might even be using more compared to homes without them, according to research by the Lawrence Berkeley National Laboratory. Tests and surveys conducted for the study found that users frequently had difficulty performing various tasks on programmable thermostats. One survey found that half of residential programmable thermostats are set to long-term hold, and 20% had the wrong time of day set on the units’ internal clocks. Also, 89% of the respondents rarely or never used their thermostat to set a weekday or weekend program. One intention of the study is to develop a usability "score" for programmable thermostats. The report is available at http://eec.berkeley.edu/ACEEE/2010/data/papers/1963.pdf
Research Promotion Contribution Form

PLEASE COMPLETE THE INFORMATION BELOW AND RETURN WITH YOUR CONTRIBUTION TO:

Terry Connor
Johnson Controls
8 Skyline Drive
Hawthorne, NY 10532

Phone: 914-593-5223 Fax: 914-593-5201

Please accept my research investment in the amount of $________________
Make checks out to ASHRAE Research.

Name_________________________________________ Member #____________________

Company_________________________________________ Chapter Bi-State____________

Address_____________________________________________________________________

City_________________________________________ State_________Zip______________

Please check one:
( ) Personal contribution
( ) Company contribution

Charge my gift to: ( ) Visa ( ) Master Card ( ) American Express

Credit Card #___________________________________ Expiration Date________________

Signature____________________________________________________________________

Donors are recognized for their contributions as follows:

**Honor Roll** contributors are listed in the October ASHRAE Journal and receive the commemorative coin recognizing Giants in HVAC&R invention or innovation.

Individual Honor Roll beginning at $100
Corporate Honor Roll beginning at $150

**Investors** with contributions of $250 or more receive a wall plaque that can display six commemorative coins.

Contributions in any amount are gratefully received and 100% of the contribution goes directly to research. All contributions are tax deductible.
### ASHRAE Learning Institute
#### Spring 2011 Online Course Series

**2 WAYS TO REGISTER**
- **Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)
- **Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)
- **Note:** You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.

- **Using Standard 90.1 to Meet LEED Requirements**
  - Monday, March 28, 2011 – 1:00 p.m. to 4:00 p.m.

- **Fundamental Requirements of ASHRAE Standard 62.1-2010**
  - Wednesday, March 30, 2011 – 1:00 p.m. to 4:00 p.m.

- **Application of ASHRAE Standard 62.1-2010**
  - Wednesday, April 6, 2011 – 1:00 p.m. to 4:00 p.m.

- **The Commissioning Process & Guideline 0**
  - Monday, April 11, 2011 – 1:00 p.m. to 4:00 p.m.

- **Avoiding IAQ Problems Using ASHRAE’s New IAQ Guide**
  - Wednesday, April 13, 2011 – 1:00 p.m. to 4:00 p.m.

- **Understanding Standard 189.1 for High Performance Buildings**
  - Monday, April 18, 2011 – 1:00 p.m. to 4:00 p.m.

- **District Cooling & Heating Systems: Central Plants**
  - Wednesday, April 20, 2011 – 1:00 p.m. to 4:00 p.m.

- **Understanding Air-to-Air Energy Recovery Technologies & Applications**
  - Monday, April 25, 2011 – 1:00 p.m. to 4:00 p.m.

- **Basics of High Performance Building Design**
  - Wednesday, April 27, 2011 – 1:00 p.m. to 4:00 p.m.

- **Complying with Standard 90.1-2010 HVAC/Mechanical**
  - Monday, May 2, 2011 – 1:00 p.m. to 4:00 p.m.

- **Advanced High Performance Building Design**
  - Wednesday, May 4, 2011 – 1:00 p.m. to 4:00 p.m.

- **Complying with Standard 90.1-2010 Envelope/Lighting**
  - Wednesday, May 11, 2011 – 1:00 p.m. to 4:00 p.m.

---

**ASHRAE HVAC Design Essential Workshop**

**May 18-20 • ASHRAE Foundation Learning Center • Atlanta, GA**

**In three days, you will**
- Participate in in-depth, practice-focused training
- Improve overall building performance
- Effectively collaborate on an integrated design team
- Learn from industry leaders selected by ASHRAE
- Gain real-world experience to make immediate contribution to design projects

ASHRAE created the HVAC Design Essentials to provide intensive, practical education for HVAC designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides attendees with the fundamental and technical aspects of HVAC design in commercial buildings.

In three days, you will gain practical skills and knowledge to design, install and maintain HVAC systems that can be put to immediate use. The workshop provides real-world examples of HVAC systems including calculation of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

**Who Should Attend**
- Mechanical design firms
- Architectural firms
- Mechanical consulting firms
- Facility management departments
- Sales engineering firms
- Utility companies

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register

---

**ASHRAE Certification Programs**

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit [www.ashrae.org/certification](http://www.ashrae.org/certification)
Officers and Governors 2010—2011

<table>
<thead>
<tr>
<th>Position</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Officers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>President</td>
<td>Enzo</td>
<td>Carlesimo</td>
<td><a href="mailto:ecarlesimo@collado-eng.com">ecarlesimo@collado-eng.com</a></td>
<td>(914) 332-7658</td>
<td>(914) 332-7659</td>
</tr>
<tr>
<td>President-Elect</td>
<td>Nicholas</td>
<td>Salomone</td>
<td><a href="mailto:nsalomone@olace.com">nsalomone@olace.com</a></td>
<td>(914) 919-3140</td>
<td>(914) 919-3141</td>
</tr>
<tr>
<td>Vice President</td>
<td>Erica</td>
<td>Ross</td>
<td><a href="mailto:eross@balticare.net">eross@balticare.net</a></td>
<td>(646) 380-9486</td>
<td></td>
</tr>
<tr>
<td>Secretary</td>
<td>Erica</td>
<td>Ross</td>
<td><a href="mailto:eross@balticare.net">eross@balticare.net</a></td>
<td>(646) 380-9486</td>
<td></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Dennis</td>
<td>LaVopa</td>
<td><a href="mailto:dlavopa@dlFlowTech.com">dlavopa@dlFlowTech.com</a></td>
<td>(845) 265-2828</td>
<td>(845) 265-2745</td>
</tr>
<tr>
<td>Governors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Past President/Delegate</td>
<td>Dennis</td>
<td>LaVopa</td>
<td><a href="mailto:dlavopa@dlFlowTech.com">dlavopa@dlFlowTech.com</a></td>
<td>(845) 265-2828</td>
<td>(845) 265-2745</td>
</tr>
<tr>
<td>BOG (term ends June 2014)</td>
<td>Michael</td>
<td>Circosta</td>
<td><a href="mailto:mjcarmonk@optonline.net">mjcarmonk@optonline.net</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOG (term ends June 2014)</td>
<td>Albert</td>
<td>Collado</td>
<td><a href="mailto:acollado@collado-eng.com">acollado@collado-eng.com</a></td>
<td>(914) 332-7658</td>
<td>(914) 332-7659</td>
</tr>
<tr>
<td>BOG (term ends June 2014)</td>
<td>Robert</td>
<td>Roston</td>
<td><a href="mailto:bob@rostonfamily.com">bob@rostonfamily.com</a></td>
<td>(914) 761-3364</td>
<td>(914) 761-1811</td>
</tr>
<tr>
<td>BOG (term ends June 2011)</td>
<td>Steven</td>
<td>Abbattista</td>
<td><a href="mailto:sabbattista@olace.com">sabbattista@olace.com</a></td>
<td>(914) 747-2800</td>
<td>(914) 747-0453</td>
</tr>
<tr>
<td>BOG (term ends June 2011)</td>
<td>Cliff</td>
<td>Konitz</td>
<td><a href="mailto:c.konitz@verizon.net">c.konitz@verizon.net</a></td>
<td>(845) 297-5864</td>
<td>(845) 297-5864</td>
</tr>
<tr>
<td>BOG (term ends June 2011)</td>
<td>Joseph</td>
<td>Trongone</td>
<td><a href="mailto:jatrong@optonline.net">jatrong@optonline.net</a></td>
<td>(914) 526-3441</td>
<td></td>
</tr>
<tr>
<td>BOG (term ends June 2012)</td>
<td>James</td>
<td>Dolan</td>
<td><a href="mailto:jdolan@olace.com">jdolan@olace.com</a></td>
<td>(914) 747-2800</td>
<td>(914) 747-0453</td>
</tr>
<tr>
<td>BOG (term ends June 2012)</td>
<td>John</td>
<td>Fusco</td>
<td><a href="mailto:jfusco@olace.com">jfusco@olace.com</a></td>
<td>(914) 747-2800</td>
<td>(914) 747-0453</td>
</tr>
<tr>
<td>BOG (term ends June 2012)</td>
<td>Lawrence</td>
<td>Sturgis</td>
<td><a href="mailto:smacna.seny@verizon.net">smacna.seny@verizon.net</a></td>
<td>(914) 592-1776</td>
<td>(914) 592-1904</td>
</tr>
<tr>
<td>Committee Chairs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CTTC</td>
<td>Nicholas</td>
<td>Salomone</td>
<td><a href="mailto:nsalomone@olace.com">nsalomone@olace.com</a></td>
<td>(914) 919-3140</td>
<td>(914) 919-3141</td>
</tr>
<tr>
<td>Research Promotion</td>
<td>Terry</td>
<td>Connor</td>
<td><a href="mailto:Terry.Connor@jci.com">Terry.Connor@jci.com</a></td>
<td>(914) 593-5223</td>
<td>(914) 593-5201</td>
</tr>
<tr>
<td>Student Activities</td>
<td>Carmen</td>
<td>Yellen</td>
<td><a href="mailto:cbyellen@arbpe.com">cbyellen@arbpe.com</a></td>
<td>(914) 238-5433 ext 122</td>
<td>(914) 238-4472</td>
</tr>
<tr>
<td>TEGA</td>
<td>Lawrence</td>
<td>Sturgis</td>
<td><a href="mailto:smacna.seny@verizon.net">smacna.seny@verizon.net</a></td>
<td>(914) 592-1776</td>
<td>(914) 592-1904</td>
</tr>
<tr>
<td>Membership Promotion</td>
<td>Erica</td>
<td>Ross</td>
<td><a href="mailto:eross@balticare.net">eross@balticare.net</a></td>
<td>(646) 380-9486</td>
<td></td>
</tr>
<tr>
<td>Refrigeration</td>
<td>John</td>
<td>Fusco</td>
<td><a href="mailto:jfusco@olace.com">jfusco@olace.com</a></td>
<td>(914) 747-2800</td>
<td>(914) 747-0453</td>
</tr>
<tr>
<td>Webmaster</td>
<td>Cliff</td>
<td>Konitz</td>
<td><a href="mailto:c.konitz@verizon.net">c.konitz@verizon.net</a></td>
<td>(845) 297-5864</td>
<td>(845) 297-5864</td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>Michael</td>
<td>Gordon</td>
<td><a href="mailto:gordonn@emfcontrols.com">gordonn@emfcontrols.com</a></td>
<td>(914) 747-1007</td>
<td>(914) 747-1054</td>
</tr>
<tr>
<td>Historian</td>
<td>Robert</td>
<td>Roston</td>
<td><a href="mailto:bob@rostonfamily.com">bob@rostonfamily.com</a></td>
<td>(914) 761-3364</td>
<td>(914) 761-1811</td>
</tr>
<tr>
<td>Reception</td>
<td>Joseph</td>
<td>Trongone</td>
<td><a href="mailto:jatrong@optonline.net">jatrong@optonline.net</a></td>
<td>(914) 526-3441</td>
<td></td>
</tr>
<tr>
<td>Attendance</td>
<td>Cliff</td>
<td>Konitz</td>
<td><a href="mailto:c.konitz@verizon.net">c.konitz@verizon.net</a></td>
<td>(845) 297-5864</td>
<td>(845) 297-5864</td>
</tr>
<tr>
<td>Golf</td>
<td>Steven</td>
<td>Abbattista</td>
<td><a href="mailto:sabbattista@olace.com">sabbattista@olace.com</a></td>
<td>(914) 747-2800</td>
<td>(914) 747-0453</td>
</tr>
</tbody>
</table>

Why Be Involved in a Local Chapter?

- Learn about the latest technologies presented in the program sessions
- Attain continuing education credits
- Meet industry associates and discuss local concerns
- Network amongst designers, installers, vendors, educators, in your local area to help improve business for all
- Share experiences with others
- Enjoy a social hour
- Carry out ASHRAE’s mission on a local level

“To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.”
### Ashrae Region I Roster 2010-11 Executive Committee

#### DRC – Director & Regional Chair
Spencer Morasch  
Jersey Central Power & Light  
331 Newman Springs Road  
Red Bank, NJ 07701  
732-212-4133  
smorasch@firstenergycorp.com

#### RVC Student Activities
Om Taneja  
General Services Administration  
Room 3132, 26 Federal Plaza  
New York, NY 10078  
212-264-4465  
mtaneja@gsa.gov

#### ARC – Assistant Regional Chair & Treasurer
Joseph Furman  
Belimo Americas  
43 Old Ridgebury Road  
Danbury, CT 06810  
203-749-3163  
joefurman@us.belimo.com

#### Regional Chapter Programs Chair
Peter Oppelt  
R.F. Peck Co.  
889 Atlantic Ave.  
Rochester, NY 14609  
585-697-0836 x103  
poppelt@rfpeck.com

#### Nominating Committee Alternate
Emery Otruba, P.E.  
262 Johnson Hill Road  
Hoosick Falls, NY 12090  
518-686-4436  
eotruba@verizon.net

#### Regional Refrigeration Chair
Steven Friedman, PE, HFDP, LEED AP  
AKF Engineers, PC.  
330 West 42nd Street. 14th floor  
New York, NY 10036  
212-548-1412  
sfriedman@AKFGroup.com

#### Nominating Committee Member
Cliff Konitz  
4 Dennis Road  
Wappingers Falls, NY 12590  
845-297-5864  
c.konitz@verizon.net

#### Regional Historian
Phil Knowlton  
Knowlton Associates  
191 Middle Haddam Road  
Portland, CT 06480  
860-342-3970  
pbknowlton@comcast.net

#### RVC Membership Promotion
Richard Vehlow  
NYS Office of General Services  
33rd floor Corning Tower GNARESP  
Albany, NY 12242  
518.474.2471  
Rev1969@gmail.com

#### Regional Electronics Comm. Chair & Newsletter Judge
Heather L. Nowakowski, P.E.  
Roswell Park Cancer Institute  
Elm & Carlton Streets  
Buffalo, NY 14263  
716-845-3521  
heather.nowakowski@roswellpark.org

#### RVC Research Promotion
Darcy Carbone  
Stebbins-Duffy, Inc.  
545 Salem Street  
Wakefield, MA 01880  
781-246-0840  
dcarbone@stebbinsduffy.com

#### Director of Member Services
Carolyn Kettering  
ASHRAE  
1791 Tullie Circle, N.E.  
Atlanta, GA  30329  
404-636-8400  
ckettering@ashrae.org

#### RVC Chapter Technology Transfer
Steve Rosen  
Einhorn, Yafee & Prescott—Architecture & Engineering  
24 School St.  
Boston, MA 02108  
508-269-8952  
terosen@eypae.com

#### Director of Communications and Publications
Jodi Dunlop  
ASHRAE  
1791 Tullie Circle, N.E.  
Atlanta, GA  30329  
404-636-8400  
jdunlop@ashrae.org
Help Wanted

Mechanical Engineers
AltieriSeborWieberLLC is a consulting engineering firm in Norwalk, CT which provides mechanical, electrical, plumbing and fire protection design services to a premier list of national and international clients. We specialize in large institutional projects with specific and often challenging requirements for building types including: museums, performing arts centers, aquariums and education. Sustainability is an element in all of our designs. Each of our projects is different and unique. Motivated candidates are able to take on new responsibilities.

We are seeking experienced Mechanical Engineers with 3-5+ years of experience. Responsibilities include: heating and cooling load calculations, field survey, equipment selection and scheduling, central plant design, confirming energy code compliance, duct and pipe distribution, document development and production.

We are also seeking experienced Mechanical Engineers with 7-10+ years of experience. These candidates will have the above responsibilities as well as concept design, development of flow/controls diagrams and control sequences, comparing multiple design concepts based on energy-use benefits, project management, coordination with all trades and outside consultants, construction administration and client interface.

Experience using AutoCAD is a prerequisite. Experience with eQuest and Revit and candidates with EIT, PE, LEED, BEMP and/or HBDP certifications will be rewarded.

AltieriSeborWieberLLC offers excellent benefits including 401k, health & dental insurance, flexible workday schedule, summer hours and a casual, but motivated working environment.

Find out more at: www.altieriseborwieber.com. Please contact Ken Wieber, Jr. in confidence at info@altierisw.com

Employment ads may be submitted for inclusion in The Exchanger as follows:
1. $100.00 from companies placing ad for one (1) month.
2. $150.00 from companies placing ad for two (2) months.
3. No charge for members looking for employment.


The newest guidance for using Standard 62.1-2010 includes a revised, user-friendly spreadsheet and examples, as well as the latest updates pertaining to the new version of the standard.

The 62.1 User’s Manual provides explanatory material, detailed information, figures and examples to guide users in designing, installing and operating buildings in accordance with ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, which sets minimum ventilation rates and other requirements for commercial and institutional buildings.

Also highlighted is the application of useful tools used for compliance with Standard 62.1-2010, including a newly revised spreadsheet that assists in Ventilation Rate Procedure calculations. The spreadsheet provides calculations for the multiple spaces procedure and has been significantly improved, made more user friendly and now includes two example spreadsheets focusing on cooling and heating.

“The spreadsheet and new examples have been revised in response to user feedback and have much improved usability,” Roger Hedrick, chair of the Standard 62.1 committee, said. “The spreadsheet should significantly reduce the effort needed to perform the calculations needed for multizone recirculating systems. The spreadsheets are a must have for designers.”

The Manual encourages users of the standard to apply the principles of good indoor air quality and effective ventilation when designing buildings and building systems, and provides useful reference material to assist designers in efficiently completing a successful and compliant design.

The cost of the 62.1 User’s Manual is $75 ($64 ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.
Notice to business card advertisers:

We are currently accepting business card advertisements for this year’s newsletters. The cost of a business card ad is $125.00. The newsletter is published monthly, September through June (ten issues). That means for $125.00 ($12.50 an issue), your business card ad will circulate to approximately 300 recipients a month or an advertising cost of approximately 4 cents/recipient.

If you are interested in placing an ad, please forward a business card and check (payable to ASHRAE Bi-State) to:

ASHRAE Bi-State Chapter
DL Flow Tech
2421 Route 52
Hopewell Junction, NY 12533

Procter & Gamble Commits to 100 Percent Green Building

“Procter & Gamble has announced that all new company facilities will be designed to meet green building standards as certified by the U.S. Green Building Council’s (USGBC) LEED program.

P&G’s Taicang plant in China, which broke ground recently, is the first P&G manufacturing site to pursue LEED certification, with several additional new P&G sites currently working toward the same distinction globally. The Taicang plant features notable environmental aspects such as maximizing beneficial water re-use while minimizing water consumption through efforts such as recovering steam condensate for domestic water needs and harvesting rainwater to replenish on-site landscaping water. Outdoor lighting will be powered by a combination of solar energy and use of high efficiency mechanical equipment, and the operational design aims to maximize waste recycling and ultimately achieve zero waste to landfill.
The American Society of Heating, Refrigerating and Air-Conditioning Engineers advances the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. Membership is open to any person associated with the field including indoor air quality, building design and operation, and environmental control for food processing and industry.

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

Upcoming Meetings

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Promotion</th>
<th>Main Presentation</th>
<th>Tech Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>4/13/2011</td>
<td>Sustainability</td>
<td>Effective Room Air Distribution</td>
<td>Introduction to Hydronic Heating and Cooling</td>
</tr>
<tr>
<td>June</td>
<td>6/8/2011</td>
<td>Membership Promotion</td>
<td>Golf Outing</td>
<td></td>
</tr>
</tbody>
</table>

Free ASHRAE Webcast Highlights Ground Source Heat Pumps

While temperatures above ground vary with the seasons one constant is the temperature underground, which stays relatively the same all year. Designers in the built environment using ground source heat pump systems are harnessing the energy underground to help with heating and air conditioning in the buildings they design.

ASHRAE’s upcoming webcast, “Ground Source Heat Pump Systems – Putting the Earth to Work for You,” focuses on this method of using underground temperature to create a system using natural resources to save energy and money at the same time. The webcast takes place April 21, 2011, from 1–4 p.m. EDT.

“The overwhelming choice from our several webcast surveys has been ground source heat pump systems,” Dave Shugars, chair of ASHRAE’s Chapter Technology Transfer Committee Webcast Ad Hoc Committee, said. “This webcast will highlight several critical factors in the evaluation and design process that are essential to deliver system efficiency. From understanding ground characteristics, to avoiding pitfalls of design and installation, the webcast is a must see for discerning owners and designers alike.”

The webcast presenters are Jeffrey D. Spitler, Ph.D., P.E., professor in the School of Mechanical and Aerospace Engineering, Oklahoma State University, Stillwater, Okla.; Kirk T. Mescher, P.E., principal, CM Engineering, Inc., Columbia, Mo.; and Mick Schwedler, P.E., manager, Applications Engineering, Trane, LaCrosse, Wis.

Three Professional Development Hours (PDHs) or three AIA Learning Units (LUs) may be awarded to viewers who complete the participant reaction from online by May 5, 2011.

The live program will be archived online until May 5, 2011, for viewers who are unable to participate on April 21. Registration is required to view the archived program.

Online registration is open. For more information on the webcast program, continuing education credits and ASHRAE ground source heat pump resources, visit www.ashrae.org/ghpwebcast. If you have questions about the webcast, call 678-539-1200 or email ashrae-webcast@ashrae.org.

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the chapter.