



A publication of the Kansas City Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Editor: Jason Funk <http://www.kcashrae.org/>

October 2011

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October Program

Holiday Inn Hotel & Suites
Overland Park – West
8787 Reeder Road (Hwy 69 and 87th Street)
Overland Park, Kansas 66214

October Meeting
Monday, October 3, 2011
5:30 – 7:00 p.m.
Dinner meeting

Topic: Integrated Project Delivery 101
Speaker: Interactive Proposal Preparation
Special Event: Student Night/Mechanical Contractors Association

Menu

BBQ

Mixed Garden Salad
Sliced BBQ Brisket, baked beans, corn cobbettes, corn bread & honey butter
Pecan Pie

RSVP by Deadline of September 29th at Noon

To: **Jerri Brewer**

Email: jerri.brewer@hei-eng.com

Dinner / Seminar Fees

\$20 – Members \$25 after RSVP deadline
Student Sponsorship-\$10

October Program

Integrated Project Delivery 101



An interactive presentation about construction trends toward Integrated Project Delivery (IPD). IPD is emerging as a way to optimize construction and eliminate waste, reduce costs and improve productivity. This approach to project delivery integrates all team members including the owner, architect, construction manager, engineers, and subcontractors to form a collaborative effort. Topics covered will include team structure, contractual

relationships and financial risks/rewards.

As part of the program, all attendees will participate on an IPD team and respond to a hypothetical Owner's RFP. Each team will have individuals participating as Architects, Engineers and Contractors. At the end of the designated time period, teams will submit their proposal for review and discussion by the meeting attendees. A "winning" proposal will be selected.

The final segment of the program will be a "lessons learned" review of the difference in team dynamics.



NOTE: We are still seeking a social hour sponsor for this event. Please contact Tom Benassi (tbenassi@mmcontractors.com) if you are interested in sponsoring.

Hope to see everyone at this month's technical program! **Please send RSVP's to Jerri Brewer by Noon, Thursday, September 29th.**

President's Message

October 2011

October means it's time for baseball playoffs and the Royals players to take a vacation. Across the parking lot at Arrowhead, the Chiefs were blown out in the first home game of the season. I wonder when Chief's fans will be pulling their hair out this year.



It was great to see many ASHRAE members attend our joint meeting with ASPE for our September Meeting. Our year started out with a bang; with a program from Ryan MacAfee on UV Water Treatment.



Our October meeting is Student Night and it will require some work on your part. We will be holding an **interactive proposal preparation** session for our joint meeting with the Mechanical Contractors Association. This should be a great way to experience the sometimes chaotic process to submit

the design and price proposal for the project that meets the Owner's needs and wins the job. This is an expansion of a very successful ASHRAE meeting held many years ago that simulated a bid day event depicting process to submit the right price only bid. I'm really looking forward to his meeting!

You can still sign up for the **Pub Crawl** that will be held in the next few days on **September 29th** if you hurry. Please see the signup sheet in this edition of the Breeze in order to participate in this fun social event that benefits ASHRAE Research.



It's time to begin thinking about attending the **ASHRAE's Winter Conference in Chicago** on January 21-25, 2012. The Chicago conferences continue to be very well attended and are one of ASHRAE's most popular events. Best of all, it's easy to get to from Kansas City. Early bird rates are good through October 31st

and are \$485 for members and \$670 for non-members. (Rate includes one year of membership). For more information go to <http://www.ashrae.org/events/page/chicago2012>.

Please do not hesitate to contact me with any questions or concerns or any suggestions you might have to make your association with ASHRAE and our chapter more productive. My e-mail address is bellis@burnsmcd.com.

Blake Ellis
Chapter President

4th Annual Kansas City ASHRAE

Putt-Putt Pub Crawl

Benefiting ASHRAE Research!!

Thursday, Sept 29, 2011

Waldo District: 75th&Wornall

Registration Begins at 3 pm at Lew's Grill & Bar

Shotgun Start at 4 pm

"Awards Ceremony" and Appetizers 7 pm - ?

Entry Fee of \$150 per Team Includes:



-4 Person Team Putt-Putt Registration, Drinks, Appetizers at Registration and After Party, Prizes

THIS IS A GREAT OPPORTUNITY TO INVITE YOUR CLIENTS OUT FOR AN EVENING OF FUN!! THERE IS A LIMITED NUMBER OF SPACES, AND TEAMS WILL BE REGISTERED FIRST COME, FIRST SERVED.

Contact the following with questions:

JeffEwens	jeff.ewens@me-engineers.com	913.894.4455
Andy Price	aprice2@trane.com	913.307.8677
Amber Crosley	amber.crosley@crbusa.com	913.894.4455
Austin Allen	austin.allen@hei-eng.com	913.742.5608
Susan Nagel	susan.nagel@crbusa.com	913.742.5612

Registration/Reservation

4th Annual ASHRAE Putt-Putt Pub Crawl, Sept. 29th, 2011

Player 1 _____(captain)
Player 2 _____
Player 3 _____
Player 4 _____
Captain's Email _____

Hole Sponsor (\$150 Donation) _____(company name/contact)

Sponsorship Includes: Company Logo on Banner and Scorecards, Sign at sponsored hole, registration or after-party, Recognition at ASHRAE meetings and in the Breeze, (2) Volunteers from your company to work a hole(optional), (6) Drink tickets per volunteer during the event.

****DISCOUNT!!! - Hole Sponsorship AND Team Registration Fee = \$250 (SAVE \$50!!)****

Mail Check payable to ASHRAE/KC Chapter along with registration form to Jeff Ewens, M-E Engineers, 300 Wyandotte, Suite 450, Kansas City, MO 64105 (816) 474-1056

4th Annual Kansas City ASHRAE Putt-Putt Pub Crawl

Sponsorship Form

Benefiting ASHRAE Research!!!

Thursday, September 29th, 2011

**Waldo District
75th & Wornall**



Sponsorship Includes:

- Company Logo on Banner and Scorecards
- Signage at Sponsored Hole, Registration or After-Party
- Recognition at ASHRAE meetings and in the ASHRAE Breeze
- Recognition at the ASHRAE meetings
- (2) Volunteers from your company to work a hole (optional)
- (6) Drink Tickets per Volunteer during the event

Please email a completed version of this form, a company logo, and questions regarding sponsorships to Amber Crosley: amber.crosley@crbusa.com 816-807-0308

Sponsorship Information

Company Name _____

Contact Name _____

Phone Number _____

Email _____

Volunteer 1 _____

Volunteer 2 _____

<u>Description</u>	<u>Cost</u>	<u>QTY</u>	<u>Total</u>
Hole Sponsorship	\$150 x	_____ =	_____
Hole Sponsorship & Team Registration	\$250 x	_____ =	_____
Additional Volunteers (inc 6 drink tickets)	\$15 x	_____ =	_____
Total			_____

**Mail Check payable to ASHRAE/KC Chapter along with registration form to Jeff Ewens,
M-E Engineers, 300 Wyandotte, Suite 450, Kansas City, MO 64105**

ASHRAE Learning Institute 2011 Fall Online Course Series

2 WAYS TO REGISTER

Internet: 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.



Complying with Standard 90.1-2010: Envelope/Lighting
Mon, October 3, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Design
Mon, October 31, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Application
Wed, November 2, 2011 – 1:00 pm to 4:00 pm EST

Evaluating the Performance of LEED-Certified Buildings
Mon, November 7, 2011 – 1:00 pm to 4:00 pm EST

Project Management for Improved IAQ
Wed, November 9, 2011 – 1:00 pm to 4:00 pm EST



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/DPH credits. Archiving is available.

Data Center Energy Efficiency – Part 1
Mon, October 10, 2011 – 1:00 pm to 4:00 pm EST

Data Center Energy Efficiency – Part 2
Wed, October 12, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 1
Mon, October 17, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 2
Wed, October 19, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 1
Mon, October 24, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 2
Wed, October 26, 2011 – 1:00 pm to 4:00 pm EST

ASHRAE HVAC Design Essential Workshop

January 11-13, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

Obtain the skills needed to:

- Improve overall building performance
- Design high-performance HVAC systems
- Effectively collaborate on an integrated design team

ASHRAE has created the HVAC Design Essentials to provide intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the newly renovated ASHRAE Headquarters building. The workshop teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations.

Who Should Attend

- Engineers new to the HVAC industry
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain design knowledge
- Architects who want to understand HVAC design
- Construction project managers involved with mechanical systems



Visit 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)

ASHRAE RESEARCH



Don't Wait, Please Donate for the 2011-2012 Calendar Year

This month we are kicking off the campaign to raise money for ASHRAE Research. Our chapter goal for the 2011-2012 year is \$28,000.00.

We were able to raise \$81 with this month's 50/50 raffle thanks to the generosity of [Lee Murray](#) who both gave his winnings to ASHRAE Research.

The 4th annual Putt-Putt Pub Crawl on September 29th is being held to benefit ASHRAE Research. Hope to see you there.

Thanks again to all who donate,
Jim Van Hoecke

Mail Check To:
ASHRAE RESEARCH
c/o Jim Van Hoecke
McQueeney Group
8820 Bond
Overland Park, KS 66214

Your contribution puts us closer to achieving
our goal. Please send what you can today!
* Individual contributions of \$100 or more and
corporate contributions of \$150 or more will
receive this year's Commemorative Coin
and Honor Roll Contribution status.

Name: _____

Company: _____

Address: _____

Telephone: _____

INDIVIDUAL	\$25.00	\$50.00	\$75.00	\$100.00	Other: _____
CORPORATE	\$75.00	\$100.00	\$175.00	\$250.00	Other: _____

Or Contact Jim Van Hoecke at (913)-396-4705

How can I Become an ASHRAE Member?

We encourage you to join ASHRAE, a leader in sustainability and the premier source for the latest technology in HVAC&R. There are two ways to join ASHRAE. The first and the easiest is to visit the website www.ashrae.org. Or, you can complete the application below and mail it in. You will automatically become a member of the Kansas City chapter after joining. Feel free to contact membership committee chair, Reid Begnoche, reid.begnoche@siemens.com with questions.

Member Benefits and Resources

Publications & Resources



- The ASHRAE Handbook — the indispensable, industry-wide resource for all HVAC&R professionals. (Available to Members and Associate Members)
- ASHRAE Journal — the most trusted monthly technical magazine in the HVAC&R community
- ASHRAE Insights — the monthly newsletter of key Society news and activities
- HVAC&R Industry News — a weekly electronic news resource keeping ASHRAE members abreast of the latest industry news and information
- Access to the members-only resource website

Professional Education and Career Development



- Maximize your knowledge with seminars and courses from the ASHRAE Learning Institute
- Maintain your professional designation/license with over 40 courses
- Earn PDHs / CEUs / AIA LUs
- Build communication and management skills by participating in a technical program or technical committee

Networking



- Meet with industry experts and colleagues at chapter, region and Society meetings
 - Connect locally, regionally and internationally with over 160 chapters worldwide
 - Learn, share and grow at the ASHRAE Annual & Winter Meetings, and the AHR Expo at the ASHRAE Winter Meeting

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NATIONAL UPDATES

ASHRAE, AHR Expo Return to Chicago for 2012 Winter Conference

ATLANTA—Registration is open for ASHRAE's 2012 Winter Conference in Chicago where attendees have the chance to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, as well as participate in technical tours; attend ASHRAE Learning Institute courses; earn professional credits; and obtain ASHRAE certifications.

The 2012 Winter Conference takes place Jan. 21-25 at the Palmer House Hilton. The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run Jan. 23-25. The Expo, www.ahrexpo.com, is held at the McCormick Place.

In keeping with ASHRAE's goal of continuing education the Conference offers over 200 Professional Development Hours, as well as Continuing Education Units, which can be applied toward a Professional Engineering license.

The technical program features more than 90 programs and 300 speakers addressing energy modeling applications; integrated design; healthcare, laboratories and data center applications, among others; operations and maintenance; high performance buildings; as well as refrigeration and systems and equipment sessions. Additionally, there is a new "mini-conference" on Installation, Operation & Maintenance of HVAC Systems built within the Technical Program. The O&M mini-conference is scheduled on Jan. 22-23. The full Technical Program, which will be announced later this month, offers the opportunity to earn a year's worth of PDHs, NY PDHs, AIA LUs and LEED AP credits.

The Chicago Virtual Conference is included with a paid Conference registration—comp and single day registration excluded—and includes on-demand access to all speakers' audio presentations synced to their presentations. Attendees and speakers can post comments on the presentations for a two-week period. Those not attending the Chicago Winter Conference in person may register for the Virtual Conference only. Register at www.ashrae.org/chicagovirtual.

Five Professional Development Seminars and 15 Short Courses are offered to help industry professionals stay current on HVAC technology, including how to apply the newest ASHRAE standards. The ASHRAE Learning Institute (ALI) is offering a new half-day short course on the basics of combined heating and power systems, as well as updates to the full-day professional development seminars focusing on Standards 62.1, Ventilation for Acceptable Indoor Air Quality, and 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings. ALI courses are approved for renewal of professional engineer and professional architect licenses, as well as for industry certification programs.

Additionally, ASHRAE offers a special administration of all six certification examinations on Jan. 25: Building Energy Assessment Professional (BEAP), Building Energy Modeling Professional (BEMP), Commissioning Process Management Professional (CPMP), High-Performance Building Design Professional (HBDP), Healthcare Facility Design Professional (HFDP) and Operations & Performance Management Professional (OPMP). ASHRAE's certification program recognizes industry professionals who have mastered knowledge and skills reflecting best practices in certain aspects of building design and operations. More information on each certification can be found at www.ashrae.org/chicagoexams.

ASHRAE Conference technical tours give you a first-hand look at technology developed by members to further the industry. Tours include the North Central College Residential and Recreation Center, Loyola University Information Commons, the University of Chicago Mansueto Library and Rush University Medical Center Central Energy Plant.

The Winter Conference also includes a program designed for students of the Society. Highlights of the program, held on Sunday, Jan. 22, include speakers, a professional development session and presentations by the recipients of the Student Design Competition and a technical tour of the University of Chicago library.

To register and for complete Conference information, visit www.ashrae.org/chicago.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

New Cool Tool from ASHRAE - Helps Predict Consistent Thermal Comfort

Released September 14, 2011

ATLANTA - An updated tool from ASHRAE provides a user-friendly interface to predict thermal comfort, based on the Society's standard for thermal environmental conditions.

ASHRAE Thermal Comfort Tool, Version 2, maintains consistency with ANSI/ASHRAE Standard 55-2010, Thermal Environmental Conditions for Human Occupancy. The standard specifies the combinations of indoor thermal environmental factors and personal factors that will produce thermal environmental conditions acceptable to a majority of the occupants within the space.

The tool makes thermal comfort predictions using several existing thermal comfort models, including the Adaptive and Predicted Mean Vote (PMV) models. Inclusion of these models can potentially improve occupant comfort by allowing engineers to more easily fine tune their comfort analysis to the particular needs of the occupants in the building.

"The software allows you to calculate the predicted thermal comfort for a human at a point in space," Bill Fleming, volunteer chair of ASHRAE's Publications Committee, said. "All you need to do a comfort analysis is some basic information about the thermal environment you want to model and a few things about the person you want to put in that environment."

The cost of the ASHRAE Thermal Comfort Tool is \$117 (\$99, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

Coming SOON!!!!

After months of preparation we are about to unveil the new [kcashrae](http://www.kcashrae.org) website. Check out our new website that is coming soon. Not only has it been updated and refreshed, soon you'll be able to register and pay online for meetings and events.

www.kcashrae.org

2010-2011 Kansas City ASHRAE Chapter Committee Chairs

Position	Name	E-Mail Address	Phone Number
Membership Chair	Jason Funk	funk@hughesmachinery.com	913-492-0355
Membership Co-Chair	Reid Begnoche	reid.begnoche@siemens.com	913-905-6765
Student Activities Chair	Susan Nagel	Susan.Nagel@crbusa.com	816-891-3665
Student Activities Co-Chair	Chad Bertelsmeier	chad.bertelsmeier@siemens.com	913-905-6785
Research Promotion	Jim Van Hoecke	jvanhoecke@mcqueenysgroup.com	913-620-0320
Golf Tournament	Tim Powell	powell@hughesmachinery.com	913-492-0355
Product Directory	Keith Williams	kwilliams@aesc.com	913-894-4455
Chapter Seminar	Stuart Braden	sbraden@wlc-kc.net	816-842-8437
Co-Chairs	Jim Noe	jnoe@epluses.com	913-915-1681
CTTC Chair	Tom Benassi	tbenassi@mmcontractors.com	816-877-6384
Co-Chair - TEGA	Dan Kettle	dkettle@trane.com	913-599-4664
Co-Chair – Refrigeration	Gene Ziegler	eziegler@parker.com	816-361-3130
Programs Committee	Larry Staples	lstaples@kc.rr.com	
Programs Committee	Kelley Cramm	Kelley.Cramm@hei-eng.com	913-742-5672
Programs Committee	Jim Noe	jnoe@epluses.com	913-915-1681
Programs Committee	Jeffrey Ewens	jeff.ewens@me-engineers.com	913-304-7533
Programs Committee	Blake Ellis	bellis@burnsmcd.com	816-822-3332
Honors and Awards	Stuart Braden	Sbraden@wlc-kc.net	816-842-8437
Chapter Webmaster	Jim Noe	jnoe@epluses.com	913-915-1681
Chapter Historian	Jeff Ewens	jeff.ewens@me-engineers.com	913-304-7533
Chapter Communications	Jerri Brewer	jerri.brewer@hei-eng.com	913-742-5531
Newsletter Editor	Jason Funk	funk@hughesmachinery.com	913-492-0355
BEP Chair	Jim Noe	jnoe@epluses.com	913-915-1681
PAOE Chair	Kelly Johnson	kjohnson@heartlandhydronics.com	913-481-2281

Updated 08/30/11

2009-2010 Kansas City ASHRAE Chapter Officers

Blake Ellis	President	bellis@burnsmcd.com	816-822-3332
Jim Van Hoecke	President Elect	jvanhoecke@mcqueenysgroup.com	913-620-0320
Tom Benassi	Vice President	tbenassi@mmcontractors.com	816-877-6384
Jarrold Foster	Treasurer	Fosterj@USEngineering.com	816-753-6969
Austin Allen	Secretary	Austin.Allen@hei-eng.com	913-742-5608
Jim Noe	BOG	jnoe@epluses.com	913-915-1681
Jason Funk	BOG	funk@hughesmachinery.com	913-492-0355
Kelly Johnson	Past President	kjohnson@heartlandhydronics.com	913-481-2281

Updated 08/30/11

Chapter Events Calendar for 2011 – 2012

The following table is the Kansas City ASHRAE Chapter Meeting and Events planned for the 2011/2012 Chapter year. Additional programs, tours, and speaker ideas are welcome. Please contact Program Chair, Tom Benassi at tbenassi@mmcontractors.com. Topics, speakers, meeting times listed are subject to change or revision. Watch for updates in future newsletters and on the Chapter website: www.kcashrae.org

Date	Time	Event/Speaker	Subject	Special Guests	Location	
Sep 12 2011	11:30 – 1:00	Ryan McAfee	UV Water Disinfection	ASPE	Holiday Inn	
Sep 29 2011	5:30 - ??	4 th Annual Putt-Putt Pub Crawl		Membership Promotion	Waldo District (75 th & Wornall)	
Oct 3 2011	5:30 – 7:30	Interactive Proposal Preparation	Integrated Project Delivery 101	Student Night / Mechanical Contractors Association	Holiday Inn	
Nov 7 2011	11:30-1:00	Kevin Cash	Chilled Beam Design		Holiday Inn	
Dec 5 2011	11:30-1:00	Lynn Van Winkle	Steam System Design in Hospitals	Kansas City Area Healthcare Engineers	Holiday Inn	
Jan 9 2012	11:30-1:00	Vince Wedelich	Engineering Ethics	ASPE, Membership Promotion	Holiday Inn	
Feb 6 2012	5:30-7:30	Bob Feduke	Psychometrics		Holiday Inn	
Mar 5 2012	TBD	TOUR		Student Night		
Apr 2 2012	11:30-1:00	Nick Gangemi	Data Center Design	Research Promotion	Holiday Inn	
May XX 2012	TBD	36 th Annual Golf Tournament				Overland Park Golf Club