



ASHRAE LOUISVILLE CHAPTER NEWS

American Society of Heating, Refrigeration and Air Conditioning Engineers
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SELECTING VAV FOR ACCEPTABLE IAQ

Monday, April 2, 2007
Lunch Meeting

ABSTRACT:

In order to meet the increased expectations of building occupants, designers must be aware of the conflicts between cost economics, occupant productivity and life cycle costs. Buildings that do not meet the needs of the occupants often result in expensive redesign, or worse, result in lawsuits against all parties involved. Recent court cases make it imperative that designers understand the changing 'rules' of the road. Recent specifications for VAV components are often flawed, and meeting specifications will result in unacceptable spaces, and poor IAQ.

With the large number and types of VAV terminals available on the market, we are getting a number of questions regarding the proper selection and interpretation of VAV terminal specifications. This talk will cover proper engineering specifications and designs for this broad product range, with updates on the latest rules and knowledge regarding VAV box type, linings, accessories and air flow limitations.

SPEAKER:

Mr. Dan Int-Hout, Chief Engineer, Krueger, is responsible for the presentation of technical data and advanced application engineering for the Grilles, Registers and Diffusers, as well as the VAV air terminals, produced by Krueger. Mr. Int-Hout originally joined Krueger in 1981, but has had several other jobs in the industry, in engineering, marketing and product research roles, with Owens Corning Fiberglas, Carrier, Titus and Environmental Technologies. Mr. Int-Hout has been in the air distribution research and design business since 1973, has a Masters degree in Business Management from Central Michigan University, and a Bachelors degree in Biology and Physics from Denison University.

Mr. Int-Hout has written over thirty technical papers and articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He was recently Chairman of both ASHRAE Technical and Standards Committees on Thermal Comfort, is a past Chairman of several other related ASHRAE Technical and Standards Committees, as well as ASHRAE Standards and Environmental Health Committees. He received the ASHRAE Distinguished Service Award in 1993. He is currently the Chairman of the ARI Committee on Applied Acoustics (885) and Chair of ISO 205 U.S. Panel on Thermal Comfort. He is presently a member of the ASHRAE Technical Activities Committee (TAC).

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VISIT THE LOUISVILLE CHAPTER ON THE WEB!
<http://www.ashraeregion7.org/louisville/index.html>

MEETING LOCATION:

The University of Louisville Alumni Club from 11:30 until 1:00 pm

The cost for attending is \$20.00, cash or check (made payable to ASHRAE). Students and university faculty may attend for \$5.00. Due to our current arrangements with the University Club, reservations are not cancelable after 5:00 PM Thursday prior to the meeting date. We want to encourage attendance, but emphasize the importance of notifying the treasurer if plans to attend have changed. Your consideration will help avoid meeting fee increases to offset losses associated with extra meal preparation.

It is extremely important to make your reservation no later than Wednesday, March 28th with Julian Donahue by simply using one of the following three options: 1) Calling (502) 569-3600 x 2422 2) E-mail jdonahue@lwcky.com.

UPCOMING EVENTS/PROGRAMS:

Below is a list of upcoming meetings and events for 2006-2007. Please mark your calendars:

May 14 – Golf outing, Glenmary Country Club

MESSAGE FROM THE CHAPTER PRESIDENT

By Joe Nitzken

This past March 5th meeting was a joint meeting with the Louisville Chapter of the ASME. It was hosted by the University of Louisville Speed School students and faculty. Thanks go to Dr. Ellen Brehob and Dr. Glen Prater - Chairman of the School of Mechanical Engineering, for organizing the event. Pizza and soft drinks were provided in mass quantity.

Four students gave presentations that were scored for Relevance to ASHRAE, Presentation Skills, Preparation, and Knowledge of Topic.

The \$500 Louisville ASHRAE Chapter Scholarship is awarded to graduate student **Patrick C. Fletcher** for his studies in Alternative Piezoresistor Designs for Maximizing Microcantilever Sensitivity. This type of technology is applicable to a number of gas sensing and particle measuring applications in gaseous environments. It has promise in the detection of gas concentrations for atmosphere control and monitoring as well as the detection of viral and biological elements. Congratulations to Patrick.

He is invited to our next meeting on April 2nd, where he will receive his award.

LOUISVILLE/BLUEGRASS ASHRAE CHAPTERS 2007 GOLF OUTING

May 14, 2007 @ 1:00 pm Glenmary Country Club
10200 Glenmary Farm Drive Louisville KY 40291 502/239-6601

Directions from Louisville: (30 minutes) Take I-265/KY-841 to exit 17. Bardstown Road/US-150S/US-31E toward Bardstown for 1 mile, turn left onto Glenmary Farm Drive for .1 mile, turn right at 10200 Glenmary Farm Drive

Directions from Lexington: (60 minutes) Take I-64W toward Louisville, merge onto I-265S/KY-841S via exit 19A then take exit 17 Bardstown Road/US-150S/US-31E toward Bardstown for 1.3 miles, turn left onto Glenmary Farm Drive for .1 mile, turn right at 10200 Glenmary Farm Drive.

This will be a shotgun start, straight (select ball) foursome scramble; dinner & awards following the game.

Team AWARDS: Low Score, Draw 1, Draw 2

Individual AWARDS: Longest drive, Shortest drive, Straightest drive, Closest to hole on green

Warm-up net balls available

Cash beer (\$3/ea), soft drink (\$3/ea) and snack (\$2/ea) carts on course.

Sponsorship with professionally printed sign placed at either tee, green or event area

Completed form and check payable to ASHRAE must be received by April 23, 2007 in order to play

ENTRY FORM

_____ Foursome @ \$ 280.00

_____ Foursome with sponsorship @ \$ 340.00

_____ Individual @ \$ 75.00

_____ Sponsorship @ \$ 70.00

Participant

Dinner
(steak/chicken)

Company

Telephone

Captain _____

Player # 2 _____

Player # 3 _____

Player # 4 _____

Sponsor Company Name _____

Contact _____ Phone _____

Please return to: Brent Caswell

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