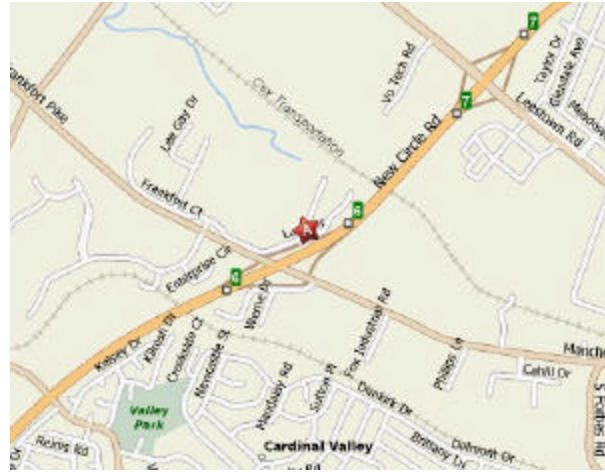


Bluegrass ASHRAE Technical Seminar May 8, 2008

Date: Thursday, May 8, 2008
Time: 8:00 am registration, 9:00 am first session
Place: Thermal Equipment Sales
680 Bizzell Drive
Lexington, KY 40510
Cost: \$85 for all three sessions (includes lunch), or \$35/session (does not include lunch, lunch = \$10)
RSVP: by Tuesday, April 29th to Chris Tyler @ Thermal Equipment Sales, chris@thermaleq.com, office (859) 255-9665, mobile (859) 576-4729



P.E.'s can earn up to 6 PDH's by attending all three sessions.

Seminar Topics

Morning session - Green "Sustainable" HVAC Design – by Julian R. de Bullet

This presentation will explore the different system choices that must be made to ensure an efficient design. An in-depth look at large chilled water choices will be explored and "Sustainable" concepts will be presented. We will compare different measurement tools, to see how the design can comply with "Green" design concepts. An exploration of Life Cycle calculations will complete the seminar. Attendance of this session will merit two Professional Development Hours (PDH's).

First afternoon session - ASHRAE 62.1 and LEED-NC – by Dennis Stanke

More and more building projects need LEED certification to meet owner objectives. LEED-NC certification can only be attained if the project meets all prerequisites in all credit categories. One important prerequisite in the indoor environmental quality (EQ) category requires compliance with key portions of ASHRAE Standard 62.1-2004. Dennis Stanke will review the Standard 62.1 requirements which, according to EQp1, must be met before any LEED credits can be awarded. He will also summarize the requirements for several ventilation-related EQ credits. Join us for a closer look at LEED-NC from the ventilation perspective. Attendance of this session will merit two Professional Development Hours (PDH's).

Second afternoon session – Achieving IAQ and Energy Conservation with ASHRAE 62 – by Chris Muller

Being able to achieve IAQ goals while reducing energy consumption is one of the more valuable aspects of the application of ASHRAE Standard 62.1-2004. By meeting the requirements of the IAQ Procedure, one is allowed to take credit for the application of validated air cleaning technologies and reduce the amount of ventilation air that has to be heated and/or cooled. Revisions to the Standard have caused some confusion in its use and the application of energy conservation measures. This talk will review the applicable provisions of the Standard, discuss indoor air quality models in use, and provide a number of examples where the IAQ Procedure has been as part of an energy conservation program.

Attendance of this session will merit two Professional Development Hours (PDH's).

Speakers



Julian R. de Bullet has over 30 years experience in the HVAC industry. His career has concentrated on the applied use of Chilled Water and All-Air systems, as a manager of applied equipment sales and as a manager of a service/performance contracting operation.

He is the Director of Industry Relations for McQuay International, based in Washington D.C. He is responsible for assisting McQuay customers and McQuay sales representatives in HVAC&R system design and specification. He is a member of numerous industry associations concentrating on energy efficiency and responsible refrigerant use.

He is an ASHRAE Distinguished Lecturer and is a member of the Programs and Education Council and the Society Advocacy Committee.

As ASHRAE Vice President (2001/2003), he served on the Board of Directors and the Executive Committee and was Chair of Member Council and Publishing Council. He is Past President of the National Capital Chapter, was Director and Regional Chair for ASHRAE Region III and has chaired the Professional Development Committee.

He is a Graduate of the London University system in England, where he obtained an Electrical Engineering degree and a Diploma in Marketing.



Dennis Stanke received a BSME from the University of Wisconsin and joined Trane in 1973 as a Controls Development Engineer. He is now a Staff Applications Engineer for Trane specializing in airside systems including controls, ventilation, indoor air quality, and dehumidification. He has written numerous applications manuals and newsletters, has published many technical articles and columns, and has appeared in many Trane Engineers Newsletter Live broadcasts.

Dennis is an ASHRAE Fellow and is currently Chairman for SSPC62.1, the ASHRAE committee responsible for Standard 62.1, "*Ventilation for Acceptable Indoor Air Quality*". He also serves on the USGBC LEED Technical Advisory Group for Indoor Environmental Quality (the EQ TAG).



Chris Muller is the Technical Director at Purafil, Inc. of Doraville, GA, a manufacturer of gas-phase air filtration media, filters, equipment, and air monitoring instrumentation. He is responsible for technical support services and various research and development functions.

Mr. Muller has written and spoken extensively on the subject of indoor air quality and the application/use of gas-phase air filtration. He has edited chapters in two handbooks on the application and use of gas-phase air filtration, wrote the chapter on gas-phase air filtration for the NAFA Air Filtration Handbook and for Carrier Corporation's Applications Technical Development Program.

Mr. Muller is Chair of ASHRAE Standard Project Committee 145P which is developing industry standards for assessing the performance of media and equipment used in gas-phase air filtration systems. He is a voting member of Standing Standard Project Committee 62.1 - Ventilation for Acceptable Indoor Air Quality, serves on the Education subcommittee, and is a co-author of the Standard 62.1-2004 User's Manual. He is also a member of Technical Committee 2.3 - Gaseous Air Contaminants and Gas

Contaminant Removal Equipment.

Mr. Muller received his B.S. in Applied Biology with a minor in Chemistry from Georgia Tech and has done postgraduate work in Industrial Engineering at Southern Polytechnic State University.