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“News and Announcements from the Nashville Chapter of ASHRAE”

MAY MEETING – PRACTICAL APPLICATION OF ENERGY CONSERVATION

**May 2008
Chapter Meeting**

**TOPIC:
Practical Application of
Energy Conservation
with ASHRAE
Standard 62**

**Date:
Tuesday,
May 13, 2008**

**Location:
TN Engineering Center
@ The Adventure
Science Center**

**Meeting Time:
11:30 am to 1:00 pm**

**Speaker:
Chris Muller**

Fellow ASHRAE Members:

Thanks to everyone who attended the satellite broadcast and golf tournament last month. Our golf tournament was a great success as usual. All proceeds will go toward the annual scholarship and toward ASHRAE Research Promotion. May will be our final meeting before summer. We will continue normal monthly meetings in September. We have had a very good year with programs, attendance, and participation; and the Board is very glad for that. The official ASHRAE year ends on June 30, and a new slate of officers will take over at that point. June 30 is also a key date with regard to Research Promotion. Please consider making a donation to ASHRAE research in May or June, as it is this research which develops the resources we all rely on in the form of Standards, Manuals, Guides, and other documentation from ASHRAE.

This month Chris Muller, a member of ASHRAE's distinguished lecturer program, will speak to us about *Practical Application of Energy Conservation with ASHRAE Standard 62*.

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. Prior to joining Purafil, he worked in the chemical process and pharmaceutical manufacturing industries in quality assurance / quality control.

Mr. Muller has written and spoken extensively on the subject of indoor air quality and the application/use of gas-phase air filtration and counts over 50 papers and articles, more than 20 seminars, and 7 handbooks to his credit. 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. He is a frequent speaker at ASHRAE Chapter and Regional meetings both domestically and abroad.

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 is also a member of ISIAQ and their Task Force on IAQ and climate in cultural and heritage collections, A&WMA's IAQ Committee, ASTM committees on Indoor Air and Activated Carbon, and ISA's committee on Environmental Conditions for Process Measurement and Control Systems. He is a senior member of the IEST and contributes to their working groups on cleanroom environments and design considerations for AMC filtration systems. He serves on the Yield Enhancement Technical Working Group for the 2007 update to the International Technology Roadmap for Semiconductors (ITRS).

Don Reaville
President, Nashville Chapter of ASHRAE

THE RESULTS ARE IN!

Chapter elections were held at our April Chapter Meeting and the following slate of nominated officers and board positions were voted in by acclamation:

Chapter Officers:

President – Chris Williams
President Elect – Matt Nicholson
Vice President/Programs – Jonathan Yeager
Secretary/Newsletter – Matt Fruetel
Treasurer – Paul Welch

Board of Governors and Committee Chairs:

BOG/Directory – Jill Kueker
BOG/History – Mike Saunders
BOG/Honors & Awards – Burkley Allen
BOG/Membership Chair – Russ Coffey
BOG/Research Promotion – Tim Grabbe
BOG/Student Activities – Earl Keith
BOG/Webmaster – Barry Whitehead
BOG/Social - Brian Batchelor
BOG/Roger Mauck
BOG – Nate Kloock
BOG – Bob Bunn
BOG - Don Reaville

We appreciate the willingness of our Chapter Volunteers. If you feel the calling to serve, please contact us via nashville.ashrae@gmail.com or you may contact one of the current officers. The Board of Governors will always welcome additional insight, and each of the committees mentioned above can use the assistance.

ASHRAE National News

IAQ Questions for the ASHRAE Membership

There are 5 questions posed to the ASHRAE General Membership via the Society Membership Ballot, which will largely be distributed via email. These questions have aroused discussion which can be viewed at the Discussion Board on the ASHRAE website. You can review the comments on this Discussion Board by visiting the ASHRAE website at www.ashrae.org, logging-in with your user ID and password, and then clicking on the "IAQ Policy Discussion Board" in the top left area of the main body of the home page. Please consider the questions, visit the discussion board if you choose, and decide whether to cast your vote as yes or no for each question. This is your chance to help shape the documents which ASHRAE produces for our use as practitioners in our industry.

Chapter OFFICERS and BOARD OF GOVERNORS

PRESIDENT
Don Reaville

PRESIDENT-ELECT
Chris Williams

VICE PRESIDENT
Matt Nicholson

SECRETARY
Jonathan Yeager

TREASURER
Matt Fruetel

AT LARGE MEMBERS
Nate Kloock
Barry Whitehead

CHAPTER COMMITTEE CHAIRS

PROGRAMS
Matt Nicholson

MEMBERSHIP
Russ Coffey

WEBMASTER
Barry Whitehead

STUDENT ACTIVITIES
Earl Keith
Burkley Allen

DIRECTORY
Jill Kueker

CHAPLAIN
Kevin Haas

RESEARCH PROMOTION
Dan Leonard

HISTORIAN
Mike Saunders

REFRIGERATION
Kevin Haas

HONORS & AWARDS
Burkley Allen

GOLF TOURNAMENT
Matt Fruetel

NEWSLETTER
Jonathan Yeager

ASHRAE National News

Considering Proposed ASHRAE Standard 189.1P

The Office of Sustainable Development of Portland, Ore., is considering adopting proposed ASHRAE Standard 189.1P, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*. If adopted, the city would offer advice and financial bonuses to builders who follow the standard. The goal of the proposed standard is to achieve a minimum of 30% reduction in energy cost over that in ANSI/ASHRAE/IESNA Standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*. Comments from the latest public review of this standard are being addressed. More than 600 comments were received.

Nearly Mile-High Building Planned for Saudi Arabia

A new building in Saudi Arabia is planned to be 5,250 ft (1600 m) tall. That is more than twice the height of the current tallest building in the world, the Burj Dubai in the United Arab Emirates, which is still under construction. The new building is being planned by a joint venture between a Saudi Arabian company and two British consulting firms. To prevent swaying caused by the strong winds in the area, it will be fitted with a large computer-operated damper. Other preliminary plans call for two "mini-towers"—both taller than 800 ft (240 m)—to be built on either side of the main tower. Linked to the main building by elevated walkways, they will anchor it and act as stabilizers.

ASHRAE Local News

More on this month's presentation...



In times when energy conservation is at the forefront of many peoples' minds, the Indoor Air Quality (IAQ) Procedure described in ASHRAE Standard 62.1-2004 is an alternative and often neglected method for complying with the ventilation requirements of the standard while at the same time offering a considerable opportunity for energy conservation. Practical applications of the IAQ Procedure will be presented to show that recirculation used along with enhanced air cleaning can effectively provide acceptable air quality, reduce outdoor air requirements, and reduce energy costs. Examples will be presented that illustrate capital, HVAC equipment, and system renovation savings as well as energy savings possible by employing the IAQ Procedure.

ASHRAE Offers Local Internships

ASHRAE is now offering a new FREE service for local employers. Employers can now post available internship positions on the ASHRAE student website for free. Formerly the cost to post was several hundred dollars a listing. This is a great way to get the message out to the sharpest students, who could become future employees. It is also a tremendous service to students, who are always searching for meaningful internships.

Thanks,

Burkley M. Allen, P.E. Region VII Vice-Chair of Student Activities

Upcoming Chapter Event Schedule for 2008

2008

May 13, 2008: Chris Muller: "Practical Applications of Energy Conservation with ASHRAE Standard 62" – **1.0 PDH**

The meetings are held at the Tennessee Engineering Center at 11:30 AM to 1:00 PM, except as noted. The Tennessee Engineering Center is located in the Adventure Science Center at, 800 Fort Negley Blvd., Nashville, TN 37203. Please RSVP to these programs. The meal cost is included in your yearly dues, but we still have to order the correct amount of food for each meeting. The monthly newsletter will give more details concerning these meetings.

Costs:

Members who have PAID local chapter dues:	Included
Members who have NOT PAID local chapter dues:	\$15.00
Guests:	\$15.00