



**ASHRAE
NEWSLETTER**

November 2005



"News and Announcements from the Nashville Chapter of ASHRAE"

NOVEMBER MEETING: Variable Primary Flow Chilled Water Systems

**November 2005
Chapter Meeting**

**TOPIC:
"Central Plant
Optimization
through Variable
Primary Flow
and Adaptive
Control"**

**Date:
Tuesday,
November 8, 2005**

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

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

**Speaker:
Mike Flaherty,
tekWorx, LLC**

Fellow ASHRAE Members:

Can you believe it is already November and the Holiday Season is right around the corner? If you were unable to attend our October meeting, you missed one of the best events we've hosted in recent years. We had approximately 70 members, guests and students take a tour of the Nashville Symphony followed by a presentation by the Acoustics Consultant for the project, Russell Todd, at the Country Music Hall of Fame. If you haven't been downtown in a while, I suggest you stop by and take a look for yourself, as it is sure to be a landmark in our city for years to come. I would like to recognize Tim Grabbe for a great job in organizing the two events as the logistics involved were particularly tough in dealing with an active construction site.

This month's speaker, Mike Flaherty, will be speaking on the topic of Variable Primary Flow Chilled Water Systems. With utility costs being such an important variable for our building owners, it will be important for our members to respond with new innovative ideas and systems that are both efficient and reliable for the life of the building. Knowing how to apply these systems will be valuable as we work on our future projects.

Don't forget to respond to our meeting announcement email if you plan to attend. Please RSVP to dwleonard@trane.com by Friday, November 4th.

Be sure to log on to www.ashrae.org to check your member status and pay your dues (national and local if necessary). You will need your ASHRAE member numbers and PIN# (both located on your ASHRAE membership card) to log on to the site. While you are there, check your contact info to make sure it is correct.

See you at the meeting,

Dan Leonard
President, Nashville Chapter of ASHRAE

Meeting Topic - "Central Plant Optimization through Variable Primary Flow and Adaptive Control"

No doubt, the use of automated control systems has led to increased efficiency in the chilled water plant. The drive for efficiency has led to increasingly sophisticated control strategies and automation systems. In particular, the advent of variable primary flow systems has led to an even greater reliance on the automation systems to keep equipment on-line and operating efficiently. The presentation will review the operating cost issues driving the evolution to Variable Primary Flow design and how adaptive control techniques will optimize total CHW plant efficiency. A short demonstration will follow if time permits.

STUDENT ACTIVITIES - FUNDAMENTALS BOOKS FOR STUDENTS

Have you been wondering what to do with your old Fundamentals book now that the 2005 one has arrived? Don't throw it away. You can donate it to a student member of ASHRAE and help them learn how much ASHRAE has to offer them. Our chapter now supports student branches at TSU and TTU through our scholarship program and student night. Now we have another way to encourage students to consider a career in HVAC. Just bring your 2001 Fundamentals with you to the September meeting or drop it by I.C. Thomasson if you can't wait until then, and the Student Activities Committee will distribute the books to new student members.

Thanks for your support.

Burkley Allen, P.E.
Student Activities Chair

SPECIAL THANKS FOR YOUR SPONSORSHIP

The Nashville ASHRAE Chapter would like to extend a sincere thank you to the following companies for their sponsorship of last months outstanding meeting and technical tour of the "Schermerhorn Symphony Hall"

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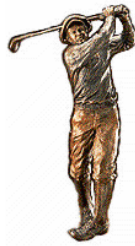
NEWSLETTER
Chad Vaughn

DATES TO REMEMBER!

Reception for Frank Kurzynske:

You are invited to a reception honoring Frank Kurzynske, past ASHRAE president, on his 80th birthday. Drop by anytime between 4:00-6:00 pm on Thursday, November 3 at Kurzynske & Associates office, 825 Third Avenue, South. (Across the street from 3rd and Lindsley)

2006 ASHRAE Spring Golf Outing



Windtree Golf Course

Friday, April 21, 2006

We are also looking for some volunteers to help with the tournament. If you are interested please contact Matt Nicholson (615) 770-8100, for more information.

CHAPTER PROGRAM SCHEDULE FOR 2005-2006

2005-2006

November 8th:	Variable Primary Chilled Water Systems
December 13th:	High Density Cooling
January 10th:	Gas Phase Filtration and Indoor Air Quality
February 7:	Student Night

All ASHRAE Meetings are held in the Jack Wood Auditorium at the Tennessee Engineering Center, which is located at the Adventure Science Center, 800 Ft. Negley Blvd., Nashville, TN

Meetings are Luncheon Meetings from 11:30 AM to 1:00 PM

Costs:

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