



# Newsletter

November 10th, 2015  
University of Memphis - Holiday Inn

## Presidents Corner

Chapter Members,

The ASHRAE Winter conference is coming up in Orlando, FL on January 23rd thru the 27th at the Orlando Hilton. The AHR Expo is on January 25th thru the 27th at the Orange County Convention Center in Orlando, FL. Be sure to check out the technical offerings if you go. The Society is promoting those classes pretty heavily lately.

Keep in mind the importance of monthly chapter meeting attendance and the attendance of your peers. Attendance has been a little light and we need to fill those seats to keep things economical for the chapter. We have updated the chapter newsletter mailing list from the database at ASHRAE HQ in attempts to get the chapter meeting invitations to all active members.

Stay on the lookout for a FedEx Forum tour flyer.

The ASHRAE Christmas Party will be coming up soon so be on the lookout for a flyer. Again, the Christmas Party will be held in lieu of the December chapter lunch meeting.

We look forward to seeing everyone for the monthly meeting on Tuesday November 10th at the U of M Holiday Inn.

Sincerely,  
Tom Bird



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**Presenter: Thomas E. Needham, P.E.  
Director - Public Works Division**

Tom Needham has over 40 years' experience in the design and construction industry. He has filled the roles of project manager, program manager, construction manager and principal in charge of over 2000 projects with a construction cost of over \$20 Billion. He serves as the Director of Public Works for Shelby County with the overall responsibility for the construction and maintenance of the County's Infrastructure.

He served in the US Army with a tour in Vietnam where he earned the Army Commendation Metal and Oak Leaf Cluster. He is past State president of the ACEC and TSPE. He was awarded the Award of Excellence by the Memphis Area Joint Engineers Council in 2010 and the Distinguished Service Award by the TSPE in 2011.

Mr. Needham graduated from the Christian Brothers University in 1967 with a Bachelor of Science in Electrical Engineering. Tom is a member of the National Society of Professional Engineers and the Memphis Engineers' Club. He is a licensed Professional Engineer in Tennessee, Mississippi, and North Carolina. He and Jean have been married 46 years and have three children.

# ASHRAE Learning Institute

## Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

### 2 WAYS TO REGISTER

**Internet:** [www.ashrae.org/orlandocourses](http://www.ashrae.org/orlandocourses)

**Phone:** Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

### Full-Day Professional Development Seminars

**\$485/\$395** ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

**Commercial Building Energy Audits**

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

**Energy Modeling Best Practices and Applications**

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

**Commissioning Process in New & Existing Buildings**

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

**Operations & Maintenance of High-Performance Buildings**

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

**Designing HVAC Systems to Control Noise & Vibrations**

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

### Half-Day Short Courses

**\$159/\$119** ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

**Laboratory Design: The Basics and Beyond**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

**Advoiding IAQ Problems**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

**Troubleshooting Humidity Control Problems**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

**Commissioning Process & ASHRAE Standard 202**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

**Understanding & Designing Dedicated Outdoor Air Systems**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

**Complying with Standard 90.1-2013: HVAC/Mechanical**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

**Variable Refrigerant Flow System Design & Applications **NEW!****

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

**Evaluation and Control of Legionella in Building Water Systems **NEW!****

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

**Exceeding Standard 90.1-2013 to Meet LEED Requirements**

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

**Applications of Standard 62.1-2013**

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

**IT Equipment Design Evolution & Data Center Operation Optimization**

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

**Building Demand Response & the Coming Smart Grid**

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

**Designing High-Performance Healthcare HVAC**

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

**Energy Management Best Practices**

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

## ASHRAE HVAC Design Training

### 2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

### **HVAC Design: Level I – Essentials** - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### **HVAC Design: Level II – Applications** - Registration is \$854 (\$699 ASHRAE Member)

*HVAC Design: Level II — Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register.