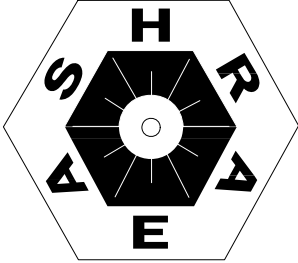


# PYRAMID PRESS

ASHRAE – Memphis Chapter  
<http://www.ashraememphis.org/>

November 2007



## LUNCH MEETING

TUESDAY, November 13, 2007

11:30 AM

Meeting Location:

**Fogelman Executive Conference  
Center Back Dining Room**

**Note  
Location**

## MEMPHIS CHAPTER CONTACTS

### **PRESIDENT:**

John Colmer: 761-0885  
Cell: 359-3579  
[john@computerenvironment.com](mailto:john@computerenvironment.com)

### **PRESIDENT ELECT PROGRAMS / CTTC:**

David Branham: 937-1720  
[davidb@branhamlloyd.com](mailto:davidb@branhamlloyd.com)

### **SECRETARY:**

Joey Matlock: 452-2500

### **TREASURER:**

Brad Grammer: 685-2371

### **MEMBERSHIP:**

James Fleck: 384-8400

### **NEWSLETTER EDITORS WEBMASTER:**

Brian Schaffler: 345-6100  
Kevin Crosby: 345-6100

### **STUDENT ACTIVITIES:**

Russ Fletcher: 761-0885

## COMPLIANCE WITH ASHRAE 90.1 AND LEED

If you are working on a project to apply for the USGBC's LEED Certification Program, or you are applying for the tax credit based on the EPACT 2005 rules, you have to demonstrate your proposed building achieving the energy savings compared to ASHRAE Standard 90.1. This talk discusses the general state of simulation for LEED, details of constructing a standardized budget building models in compliance with ASHRAE Standard 90.1.

The Speaker will be:

Bing Liu, PE, CEM, LEED AP  
Senior Research Engineer  
Pacific Northwest National Laboratory  
902 Battelle Blvd, MSIN:K5-16  
Richland, WA 99352  
Tel: (509) 375-3710  
Fax: (509) 375-3614



Bing Liu, P.E., is a senior research engineer at Pacific Northwest National Laboratory (PNNL), located in Richland, Washington. PNNL is a leading laboratory, under the Department of Energy, for the development of ASHRAE Standard 90.1. Bing has worked in the field for twelve years engaged in the sustainable building design and analysis, building energy performance simulation, alternative energy assessments, and high performance building performance metering and measurement. Bing was the chief energy analyst in developing ASHRAE's award-winning books: Advanced Energy Design Guide for Small Office and Small Retail Buildings. She is a licensed professional mechanical engineer (PE), certified energy manager (CEM), and LEED accredited professional.

Ms. Liu has authored over twenty technical reports and papers on various aspects of building energy efficiency analyses. Bing serves as a consultant to the ASHRAE Standard 90.1 project committee. She has been appointed as the Technology Consultant to the Society's Chapter Technology Transfer Committee. Bing is also a member of several ASHRAE's Technical Committee, including TC 2.8, TC 4.7 and TC 7.6.

**PLEASE NOTE THIS LOCATION IS NOT THE HOLIDAY INN**



## ***PYRAMID PRESS***

### **THE PRESIDENTS CORNER**

At our Board of Governors meeting the other day, we had a couple of distinguished guests. Pat Kempf, who will be our Regional DRC next year, and Kay Thrasher joined Evans Jack and us to begin planning for the CRC that will be held here next year. The Kemmons Wilson center has been secured as the location and the dates are locked in as August 6-10, 2008. Evans has made much progress and has added Jeff Gatlin as co-chair. There is clearly much more work to be done so if he asks you to participate, please roll up your sleeves. Better yet, Contact Evans and volunteer.

You may notice the advertisement boxes available in the newsletter. These are to raise capital for our chapter functions such as the Christmas Party.

As the year goes forward, we will be working on updating our chapter database. Please help us out with your current information.

Brian Schaffler asked that all the companies send updates for their info [shown at <http://www.ashraememphis.org/page8.html>]. Let us know any changes to your companies info and we will make the changes. Please email any changes to [kevin.crosby@gorhamschaffler.com](mailto:kevin.crosby@gorhamschaffler.com) .

I am looking forward to seeing everyone!

John Colmer

Chapter President

**YOUR AD HERE**

**\$75**



## PYRAMID PRESS

### THE HISTORIAN

#### A Brief History of the ASHRAE Handbook

The lineage of the Handbook begins in 1922, when the American Society of Heating and Ventilating Engineers (ASH&VE) published its Heating and Ventilating *Guide*. Its purpose was stated as follows in its preface:

"The purpose of this new addition to the Society's publications is to provide the engineer, the architect and contractor alike, with a useful and reliable reference data book relating to the art of heating and ventilating. A wide range of data within the scope of the field is presented and every effort has been made to present the material in a practical and useful manner."

Society Technical Committees, Task Groups, and individuals obtained data and prepared chapters using information from any authoritative source. Society-sponsored research provided much information.

ASH&VE, which later became the American Society of Heating and Air-Conditioning Engineers (ASHAE), published *The Guide* until 1961, when it was merged with the American Society of Refrigerating Engineers' (ASRE) *Refrigerating Data Book*, published since 1932, following the merger of the two societies in 1959. The combined publication was called the *ASHRAE Guide and Data Book*. Separate volumes were issued for *Fundamentals* and *Equipment, and Applications*.

In 1967, the information in the *Guide and Data Book* was re-grouped into a *Handbook of Fundamentals*, with separate *Systems, Applications, and Equipment* volumes. In 1973, the *Guide and Data Book* was renamed the *ASHRAE Handbook*. In 1985, separate I-P and SI unit volumes were issued, and in 1986, a separate Refrigeration volume was established. Although volume groupings have shifted over the years, the name and the essential method by which the *ASHRAE Handbook* is compiled has continued to the present.

*Sources:* Flink, Carl H. 1969. History of ASHRAE Guide and Data Book. *ASHRAE Journal* (Dec. 1969). Cansdale, James H., and MacPhee, Carl W. 1972. Technology Pacesetter: 1922---ASHRAE Guide and Data Book---1972. *ASHRAE Journal* (May).

Contributed by Jerry Gatlin, Memphis Chapter Historian

### MEMBER NOTICES

#### ASHRAE MEMBERSHIP GROWTH

Please inform colleagues interested in becoming members of ASHRAE to log on to <http://www.ashrae.org> to fill out an electronic application. Once at the site click on "Join ASHRAE" on the left side of the page then scroll down to the appropriate application for the desired membership grade (This link will take you directly to the membership application selection page -

<http://www.ashrae.org/template/AboutLinkLanding/category/1872;jsessionid=aaaglpHers1BeQ> ) .

Also, have each interested colleague go to the Memphis Chapter Internet site (<http://www.ashraememphis.org/page2.html>) and fill out a local chapter application. If the prospective members do not have internet access just have them contact me directly and give me their mailing address for me to send hard copies.

Total dues are \$150 National and \$85 local. Local dues are only \$15 if they will not attend the lunch meetings.

Please feel free to call or write with any questions.

James Fleck, P.E.  
 (ASHRAE Membership Promotion Chairman)  
 Gala Engineering  
 Phone: (901) 384-8400  
 Fax: (901) 373-2255



# PYRAMID PRESS

## OFFICERS & CHAIRS

## NOTICES

Continued from Page 1

Research/Promotion	Chris Ewing 901-843-4870
At-Large BOG	Bill Dudley 901-495-3959
At-Large BOG	Rodney Lum 901-682-7727
At-Large BOG	Davie Lloyd 901-937-1720
Student Activities	Russ Fletcher 901-761-0885
Chapter Memorials	Ken Jack 901-324-6610
Nominations	David George 901-373-5100
Refrigeration	Bill Jason
Historian	Jerry Gatlin 901-452-2500
Christmas Party	Jimmy Fleck 901-384-8400
Golf Tournament	David George / Stan Wilson/Chris Ewing 901-373-5100
CRC 2008 Memphis	Evans Jack 901-324-6610

### ASHRAE Endorsed Events

#### ASHRAE National meeting

New York, NY  
January 19-23

#### Engineering Green Buildings Conference & Expo, Sept. 17-18, Las Vegas.

[www.egbregistration.com](http://www.egbregistration.com)

#### Building Automation & Sustainability Conference & Expo, September 25-27, 2007, Wyndham Phoenix, AZ

[www.buildingautomationconf.com](http://www.buildingautomationconf.com)

For a more complete listing, go to  
<http://www.ashrae.org/events/page/427>

#### Update your Membership Information

Please update your email, phone #s, and contact information by logging in at [www.ashrae.org](http://www.ashrae.org)

<http://www.ashrae.org/template/MemberLinkLanding/category/1570>

- Manage Your Membership
- Manage Personal Information
- Address Changes

The Memphis Chapter Newsletter mailing list and roster are based on those records.

**YOUR AD HERE**

**\$50**



# PYRAMID PRESS

## UPCOMING EVENTS

**Wednesday—November 14, 2007**

### FedEx Forum Infrastructure Tour

I am pleased to announce that this year's infrastructure tour of the FedEx Forum is now OFFICIALLY set. We will meet in the Forum's Grand Lobby (west side of arena near ticket windows) at 1:30 PM on Wednesday November 14. Tour typically lasts around 2 hours. I recommend arriving a few minutes early as we will begin at 1:30 sharp. Please drop me a quick note or phone call if you plan to attend as I need to give a tentative head count. The Grizzlies/Forum management staff also agreed to waive the tour entry fees this year, so all you need to bring are your questions about this awesome facility.

As in previous years, we will open the tour to the entire ASHRAE chapter membership, but it is primarily an event for you, the students. I look forward to hearing from all of you. Let's shoot for a really nice turnout this year.

Russ Fletcher  
 Student Activities Coordinator  
 Memphis ASHRAE  
 901-359-0784 mobile



December 11, 2007	Holiday Party	
January 8, 2008	E. Mitchell Swann	Green Design and Sustainability
February 12, 2008	Tremco Incorporated: Melinda Alexander	Fireproofing
March 11, 2008	James D. Qualk	The next Phase in Refrigerants
April 8, 2008	Martin Toth	State of Tennessee Chief Boiler Inspector
May 13, 2008	Code Enforcement	Memphis Shelby County / Collierville