

Inside



Detroit Chapter

Volume 41

Number 2

October 2013

*Detroit Chapter of the American Society of Heating,
Refrigerating and Air Conditioning Engineers.*

October Chapter Meeting

What's Your EUI?

Energy Efficiency related to commercial buildings is being analyzed by the DOE in a way to establish benchmarking for different building types within different climate zones. This has led to average building energy footprint figures for most commercial buildings, yet the industry is now aware of how this new benchmarking will affect buildings and their lifecycle. This presentation explains the complicated process of overall building energy efficiency, how this relates to DOE standards, and how this is related to other elements including potential Carbon Indexing (or Carbon Taxation). Closely tied to this discussion will be a brief connection to ASHRAE Standard 189.1 due to the characteristics of this standard and its impact on EUI (Energy Use Intensity).

Speaker:

Doug Zentz, ASHRAE Distinguished Lecturer

Douglas F. Zentz, Associate Professor, is the Program Coordinator for the HVACR Programs within the College of Engineering Technology at Ferris State University. He received his Bachelor degree in Mechanical Engineering Technology from Purdue University in 1980 and his Master degree in Career and Technical Education from Ferris State University in 2007. He is a past President of West Michigan ASHRAE, a past RVC of Student Activities for Region V, and is the current Vice Chair for Student Activities within ASHRAE.



In the field of HVACR, his background includes professional engineering sales for the Trane Company, manager of engineering-design-build for W.J. O'Neil Company in Detroit, and vice-president of engineering for EPPA-Strand Custom Air Handling in Detroit. This experience started in 1980 and continued until his transformation into teaching at Ferris State University in 2003.

October Chapter Meeting

Date:

Tuesday, October 22, 2013

Location:

**Laurel Manor
Banquet & Conference Center
39000 Schoolcraft Road
Livonia, MI 48150
(734) 462-0770**

5:00-6:00 Networking Hour
6:00-7:15 Dinner and Business Meeting
7:15-8:15 Presentation

Cost: Members \$20
Student Members \$ 5
Non-Members \$30

Reservations should be made by noon Oct. 18,
online at DetroitASHRAE.org or by email to
reservations@DetroitASHRAE.org
(please provide company name and membership status)

Questions should be directed to the
Reception Committee Chair, Rochelle Moore
email: rochellemoore007@gmail.com

*Members who send in their RSVP for meetings after the
deadline will be charged the "guest rate." "No-shows" will be
responsible for dinner meeting charges at the "member" rate
for regular meetings and at the "guest rate" for sponsored
meetings.*

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From the President's Desk...

Kishor Khankari, Ph.D.



Dear Fellow ASHRAE Members:

Our September Chapter meeting was a great success. During this meeting we modified the dinner presentation format by arranging a round table panel discussion instead of standard podium presentation. The panel was represented by facility managers of academic institutions. There was open and candid dialog between the audience and the panel to understand each other's expectations and responsibilities in making the projects successful. I would like to thank all the panel members, the moderator, and attendees for their time and active participation. We plan to repeat such format again in the future.

Please see the announcement for our October Chapter meeting. We have invited ASHRAE Distinguished Lecturer to speak on Energy Use Intensity (EUI) - DOE's new benchmark for energy efficiency of buildings. This is an interesting and important topic. Hope you can attend the meeting.

Our Chapter is looking for sponsors for Chapter meetings. Please let me know if you are interested. We would also

like to arrange breakfast briefings or lunch-n-learn presentations to promote ASHRAE membership. Please let us know if your organization is interested in hosting these events. We are in the planning process of a Student Night at Lawrence Technological University.

As all of you know ASHRAE is a Society of volunteers. Your commitments and contributions make our programs and activities successful. Please be active, get involved, attend our Chapter meetings and spread the word among your colleagues and friends. Please let Committee Chairs know if you would like to serve on any Committee. Please feel free to call me or send me an e-mail, if you have any suggestions.

See you on October 22nd.

With Warm Regards,

Kishor



Join ASHRAE at its 2014 Winter Conference and AHR Expo in New York!

Conference Jan. 18–22 | AHR Expo Jan. 21–23

www.ashrae.org/newyork

Special first timer registration fee available!

Technical Program—features a building-oriented theme, featuring tracks on building information systems; environmental health; international design; and, featured for this Conference, tall building performance.

AHR Expo—The ASHRAE co-sponsored AHR Expo takes place Jan. 21–23 (NOTE DAY CHANGE: Tuesday, Wednesday, Thursday) at Javits Convention Center. www.ahrexpo.com

ASHRAE Certification—all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations & Performance Management Professional.

ASHRAE Learning Institute—23 Professional Development Seminars and Short Courses are offered, including 11 new courses that include Standards 55 and 90.1, electric rates and regulations, health care facilities, building energy audits and ground source heat pumps.



Industry Reaps the Benefits of ASHRAE Scholarships

The ASHRAE scholarship program is making a difference in the lives of the outstanding students that it touches.”

That’s according to David Meredith, chair of the ASHRAE Scholarship Trustees on awarding \$106,000 in scholarship money for the 2013-2014 academic year.

“When I look at the global leadership that past scholarship recipients have demonstrated throughout their professional career, I am proud of what the ASHRAE Scholarship Program has been able to accomplish,” Meredith said. “I can’t wait to see how this year’s recipients help shape our future.”

The recipients of ASHRAE’s scholarship assistance include the following:

- **Reuben Trane Scholarship:** \$10,000 to be awarded over two years, Richard Melo, Wentworth Institute of Technology, mechanical engineering. The scholarship was established by the Trane Co. in memory of its founder, an innovative engineer, inventor and business executive.
- **Willis H. Carrier Scholarships:** \$10,000 for one year, Breeann Foran, Montana State University, mechanical engineering; and Nicholas Rekstad, Pennsylvania State University, architectural engineering. The scholarship was established by the Carrier Corp. in memory of its founder, who installed the world’s first scientifically designed air-conditioning system.
- **Lynn G. Bellenger Engineering Scholarship:** \$5,000 for one year, Tiffany Williams, North Carolina A&T State University, architectural engineering. The scholarship, which is being awarded for the first time this year, recognizes a female undergraduate engineering student. It is named in memory of the Presidential Member Lynn G. Bellenger, the Society’s first female president.
- **Frank M. Coda Scholarship:** \$5,000 for one year, Travis Norris, East Carolina University, mechanical engineering. The scholarship was created in memory of ASHRAE’s former executive vice president, who served from 1981-2004.
- **David C.J. Peters Scholarship:** \$5,000 for one year, Mei Yung Wong, Oklahoma State University, mechanical engineering. The scholarship is awarded to a third-year student in a four-year undergraduate mechanical engineering program or a fourth-year student in a five-year undergraduate mechanical engineering program at Pennsylvania State University, Virginia Tech, California State University, Oklahoma State University, University of Texas, Clemson University, North Carolina State University, University of Nebraska, Cal Poly State University and University of Nevada. The scholarship was created by Southland Industries to honor Peters, an advocate of recruiting quality.
- **General Scholarships:** \$5,000 for one year, Mitchell Hoelsing, South Dakota State University, mechanical engineering; and Peter Kohler, University of North Carolina, mechanical engineering.
- **Memorial Scholarship:** \$5,000 for one year, Nathan Stoltzfus, Ohio State University, agricultural engineering.
- The following awards provide one-year \$3,000 scholarships:
- **Lynn G. Bellenger Engineering Technology Scholarship:** Sara Piekunka, Rochester Institute of Technology, mechanical engineering technology. The scholarship recognizes female engineering technology students and is named in memory of Presidential Member Bellenger. This is the first year that the scholarship is being awarded
- **Region III Boggarm S. Setty Scholarship:** Hunter Bachman, University of Delaware, mechanical engineering. This scholarship is awarded to an undergraduate engineering student attending an institution within ASHRAE Region III, which covers Delaware, Maryland, Pennsylvania, Virginia and Washington, D.C., and is named after Boggram Setty, Fellow ASHRAE, Life Member.
- **Duane Hanson Scholarship:** Kim Rogers, Kettering University, mechanical engineering. The scholarship was established by Gayner Engineers and is named for the company’s former president.
- **Alwin B. Newton Scholarship:** Man Sze Chan, The University of Hong Kong, building services engineering. The scholarship is named for an industry pioneer and ASHRAE Fellow who was granted 219 patents.
- **Henry Adams Scholarship:** Mahmoud Mohammed, University of Illinois, mechanical engineering. The scholarship was established by Henry Adams, Inc. in memory of its founder, a Charter Member and sixth president of ASHRAE’S predecessor society, ASHVE, established in 1899.
- **Region VIII Scholarship:** Gaizka Lasa, University of Oklahoma, industrial engineering. The scholarship is awarded to students attending schools within the geographic boundaries of ASHRAE Region VIII, which includes Arkansas, Oklahoma, Mexico and parts of Louisiana and Texas.
- **Donald E. Nichols Scholarship:** Anthony Taylor, Tennessee Technological University, mechanical engineering. The scholarship is awarded to an undergraduate engineering student attending Tennessee Technological University. It is named for a former ASHRAE vice president and graduate of Tennessee Technological University.
- **Bachelor of Engineering Technology Scholarship:** Yoginder Rana, Ferris State University, HVAC&R technology.
- **Associate of Engineering Technology Scholarship:** Cody Bomers, Grand Rapids Community College, HVAC&R Technology.

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Detroit Chapter Time Capsule

This is the second of a series of articles celebrating the rich history of our Detroit ASHRAE Chapter, chartered in 1916 as the 'Michigan Chapter' of the American Society of Heating and Ventilating Engineers (ASHVE).

Janice K. Means, PE, LEED AP

Detroit Chapter Historian

60 years ago...October 1953 – President David S. Falk presided over his 2nd meeting for the year for the Chapter. Many were to follow since Mr. Falk served as a Chapter President in 1953-1954 for ASRE Detroit section, 1956-1957 for the Michigan Chapter of ASHAE and then later, when he transferred to Phoenix, also served there as an ASHRAE Chapter President.. [ASRE and ASHAE were predecessor societies to today's ASHRAE which merged the American Societies of 'Refrigeration Engineers' with the 'Air-Conditioning Engineers' in 1958-1959.]

20 years ago...October 25, 1993 at the Embassy Suites, Southfield (Tradeshow Night) – Marsen 'Mike' Murphy presented a technical session on Detroit Edison's Demand Side Management Program and **Detroit Edison** sponsored a mini trade show featuring **Michigan Air Products, Carter Technology, Plazibat/Johnson, George L. Johnson, Snow Technologies, J.T. Tamm Co., R.L. Deppman Co., Carrier Corp., Antaya Engineering Sales, York International and John Ostrander Co.**

10 years ago...our annual October meeting was moved to November 5, 2003 – Ford Field Stadium, Detroit– The Chapter's immediate Past President, John D. Richards, PE, presented to a crowd of over 250 attendees from ASHRAE Detroit and Toledo Chapters and ASPE (American Society of Plumbing Engineers). As Studio Leader for the Technologies Studio at SmithGroup and Project Mechanical Engineer for Ford Field, Mr. Richards, was well qualified to present on the Stadium's HVAC and plumbing along with design issues, control strategies and system selection. Tours were conducted by SmithGroup, the A/E firm who designed this reuse building from its original function as Hudson's warehouse. Attendees walked on the field and investigated many areas of the building. I recall being delighted to step into the Lion's shower room (sans Lions and with all my clothes on of course)! It is not often one gets to tour 'backstage' at a stadium. It was truly a memorable meeting in Detroit Chapter history.

LTU ASHRAE Student Branch

By Israel Ortiz

Sr. M.S. Architectural Engineering, Lawrence Technological University

Greetings ASHRAE Professionals,

I just wanted to introduce myself and to let you know that I am excited about reestablishing the LTU ASHRAE Student Branch. We look forward to working with the Detroit Chapter through this coming year in activities and committees involving benefits to student and professional members.

We plan to have our first meeting soon and I will be running for the position of president of our student chapter. I would like to encourage those Professionals that are able, to donate any extra handbooks or even relevant textbooks they may have around so that we can give them out for all new students who join our LTU Branch. This has been a long standing tradition, and thanks to you, we are able to continue it for our new student members.

In our upcoming meeting, we hope to share the many benefits and advantages of joining ASHRAE, introduce some of the

local professionals and Detroit Chapter officers, directors and committee members, in addition to some of the faculty leaders who have been involved with ASHRAE at the local, regional and society levels. We hope you can join us on campus for this and other activities throughout the year.



Thank you, in advance for your support, and please contact me with any ideas or suggestions.

Sincerely,

Israel Ortiz

September Chapter Meeting:

University Panel Discussion: What MEP Engineers Need to Know



Handbooks Requested for Student Members

By Janice Means



YOU can have a positive impact on the future of ASHRAE simply by donating ASHRAE Handbooks to student members!

Kindly bring 21st century handbooks (and other related books) to the next meeting.

The Fundamentals and the Applications handbooks are in particular demand. Simply place them in the empty boxes at the sign-in table. If you want a receipt for your kind donation, please e-mail Janice Means at jmeans@ltu.edu. Our student members greatly appreciate your generosity!

Industry Reaps Benefits

(Continued from page 3)

- **High School Senior Scholarships:** Elizabeth Lynch, Iowa State University, engineering; Jacquelyn Sommers, Kansas State University, architectural engineering; Joshua Roper, University of Wisconsin, mechanical engineering; and Kali Rosendo, Massachusetts Institute of Technology, environmental engineering. The scholarships were established in 2010 for high school seniors entering their freshman year of college in an engineering or engineering technology program.
- Over the course of 24 years ASHRAE has awarded over \$1.3 million to approximately 275 deserving undergraduate and graduate students. For more information on ASHRAE scholarships, visit www.ashrae.org/scholarships. Applications are now being accepted for the 2014-15 undergraduate, regional/chapter and university-specific scholarships. The deadline is Dec. 1, 2013.