

Inside



Detroit Chapter

Volume 41

Number 4

January 2014

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

January Chapter Meeting

Joint Meeting with



Technical Session

Central Plant Optimization

Optimization is becoming common word in our industry, but sadly, effective optimization implementations and persistent performance are very uncommon. Dave will discuss what a best-in-class Central Plant Optimization (CPO) solution and process looks like, including the role of good design, equipment selection, automation, optimization algorithms, measurement & verification and how to maintain plant performance. Dave will include guidance on how to identify and qualify high-potential opportunities and develop a financial business case for a project.

Dinner Presentation

Healthcare Environment Optimization

Operating rooms have long been the "Sacred Cow" within a Hospital. However, declining reimbursements, concern over infection rates, the need to improve staff and patient satisfaction as well as the need for flawless validation of the environment are driving innovation in these mission critical spaces. Dave will illustrate some of the challenges faced in operating rooms today, and propose a few ways in which we can leverage the BAS to relieve the broad and disparate set of pressure on these issues and allow energy savings at the same time.

Speaker:

Dave Klee

Director, Optimized Building Solutions, Johnson Controls

Dave is in his 17th year at Johnson Controls and is currently the Director of Optimized Building Solutions in North America. He closely monitors market trends and customer requirements, and drives the direction of Johnson Controls optimization offerings, fully leveraging their complete portfolio of equipment and automation systems. He is responsible for the sale and successful implementation of optimized HVAC systems, including Central Plant Optimization and Health Care Environment Optimization. Dave graduated from the University Of Michigan College Of Engineering and earned his MBA at Babson College in Wellesley, Massachusetts. Dave is also a LEED accredited professional.

January Chapter Meeting

Date:

Tuesday, January 14 2014

Location:

Detroit Marriott Livonia

**17100 North Laurel Drive
Livonia MI 48152**

☎ (734) 462-3100

4:30-5:30	Technical Session
5:30-6:30	Networking & Social Hour
6:30-7:15	Dinner
7:15-7:30	ASHRAE Business
7:30-8:30	Evening Speaker

Cost:	ASHRAE Members	free
	Professional Healthcare Employees	free
	SMSHE non-Healthcare Members	\$10
	Non ASHRAE or SMSHE Members	\$30
	ASHRAE Student Members	free

Sponsored by

**Johnson
Controls**



Reservations should be made by noon Jan. 10,
online at DetroitASHRAE.org or by email to
reservations@DetroitASHRAE.org
(please provide company name and membership status)

Questions should be directed to the secretary,
Nathan Stalker – email: nstalker@sesnet.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.

Inside this issue	
From the President's Desk	2
Annual Golf Outing - Save the Date	2
Upcoming Meeting Dates and Locations	2
ASHRAE Membership – What's your Story?	3
ASHRAE Technology Awards	4
2014 CRC - Detroit	4
ASHRAE Winter Conference	5

From the President's Desk...

Kishor Khankari, Ph.D.



Dear Fellow ASHRAE Members:

December Chapter meeting was our holiday meeting sponsored by DTE. This was also our research promotion meeting. I would like to thank all those who have made financial contributions to ASHRAE Research. During last ASHRAE year our Chapter raised \$20,832 towards ASHRAE Research. I made a short presentation about ASHRAE Research during December Chapter meeting. ASHRAE research is important for advancement of the state of the art of our industry. Since 1919, research has been the core of ASHRAE's existence. It is the largest program of fundamental and applied research supported by a technical society. Payments to active projects range between \$2.5-3 million per year. About 845 research projects valued at \$67.5 million conducted since 1960. We all benefit from this valuable research. This is not possible without your generous contributions and support. If you have not made your contributions to ASHRAE Research yet, please do it soon.

Please see the announcement for our January Chapter meeting. This will be joint meeting with our friends from Southeast Michigan Society of Healthcare Engineering (SMSHE). The focus of this meeting is on healthcare facilities. I would like to thank Johnson Controls for sponsoring the meeting. I hope you can attend.

January Chapter meeting is also our Membership Promotion night. I would like to thank all Detroit ASHRAE Chapter members for becoming a member and making valuable contributions to our Society. ASHRAE has 53,000+ volunteer members in over 130 countries. Among several other benefits as a ASHRAE member you benefit from professional development opportunities, networking opportunities with established leaders of the industry, and access to new technology, publications and educational courses. Please promote ASRHAE membership among your colleagues and friends.

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 January 14th.

With Warm Regards,

Kishor

Save the Date:



Can you volunteer to help on the committee?
Donate a Door Prize? Make a Donation?
Please e-mail paul.joliat@michiganair.com

Upcoming Meeting Dates and Locations

Date	Location
February 18th	Emagine Entertainment, Royal Oak
March 18th	TBD
April 15th	Iroquois Club, Bloomfield Hills
May 20th	LTU, Southfield
June 2nd	Golf Outing at Red Run GC

ASHRAE Membership – What’s your Story?

By Mark Sedmak

Ask any of the current Detroit Chapter ASHRAE members why they joined ASHRAE and you will get many different responses. Many of our members will recall a certain event in their professional life, or a person that they met during their career that encouraged them to join. And they’ve continued to be members for many years because of the value that they feel they receive from their membership. The list below notes some of the many benefits, but there many more that are not listed. Many more that are unique to you and your story.

The Benefits of ASHRAE Membership:

- **ASHRAE Journal:** as a member, you will receive our monthly magazine, which reviews current HVACR technology of broad interest through publication of application-oriented articles.
- **ASHRAE Handbooks:** members receive the annual ASHRAE Handbook – the most widely cited reference source for HVACR technology in the world.
- **ASHRAE Website:** members have access to website with technical and research data bank.
- **Leadership & Networking:** members have access to industry leaders where they can network, improve communication and leadership skills, and become a leader in their own right. Opportunities exist locally at chapters and regions, and at Society, and range from leadership to technical opportunities. Members can also network in online forums with the ASHRAE Society Connections eNewsletter.
- **The International Journal of Heating, Ventilating, Air-Conditioning and Refrigerating Research:** members can subscribe to this quarterly journal at member price – it reports significant research from ASHRAE and the international HVACR research communities.
- **IAQ Applications:** members can subscribe to this quarterly magazine at member price – it provides practical, applicable information on indoor air quality, and also provide a platform for debate on issues that surround IAQ.
- **ASHRAE Publications:** members receive a 15% discount on over 300 titles.
- **ASHRAE Education & Certification:** members receive discounts on courses at Society’s annual and winter conferences, as well as self study courses. Get PDHs and CEUs.
- **ASHRAE Standards & Guidelines:** members receive a 15% discount on design and application guidance for their projects with more than 100 Standards and Guidelines currently in print.
- **ASHRAE’s Insights Newsletter:** members receive this monthly publication with news about ASHRAE at the chapter, region and Society levels.
- **HVAC Industry eNewsletter:** members receive this weekly newsletter that provides up-to-date industry news.
- **ASHRAE Chapter Meetings:** attend local meetings with monthly technical sessions. Most members can get PDHs or CEUs when attending ASHRAE meetings and events.

I would like to invite you to become member of ASHRAE, the largest organization dedicated to shaping the world’s built environment. ASHRAE is an international society of over 53,000 members in more than 130 countries. Here in the Detroit Chapter, we are focused on local issues affecting the buildings industry, and are your direct connection to ASHRAE.

Please let me know how I can assist you or help you get involved.

Regards,

Mark Sedmak

ASHRAE Detroit Chapter Membership Promotion Chair 2013-2014
msedmak@umich.edu



It's that time of Year Again!

ASHRAE's 2013-2014 Technology Awards are near!!!!

By Brad Herbeck

Chapter Technology Transfer Committee Chair

For the past several years the Detroit Chapter has received multiple Regional and Society level awards for entries in the Technology Award competition. This year we hope the legacy will continue. You can be a part of this legacy by submitting a project. All you have to do is be an ASHRAE member, have an innovative or energy efficient design, and fill out the application.

The purpose of the ASHRAE Technology Awards is threefold:

1. To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
2. To communicate innovative systems design to other ASHRAE members.
3. To highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

ASHRAE Technology Award applications are accepted in each of the following categories:

- I. Commercial Buildings (New and Existing)
- II. Institutional Buildings (New and Existing)
 - Educational Facilities
 - Other Institutional
- III. Health Care Facilities (New and Existing)
- IV. Industrial Facilities or Processes (New and Existing)
- V. Public Assembly Facilities (New and Existing)
- VI. Residential (New and Existing)

This year we want the Detroit Chapter in the winner's circle again. Of course this competition also serves as a means for passing on of new technology to future engineers. If you have a design that you think is worth sharing...go ahead and submit it!

The deadline for this year's Chapter entries is Friday, April 4, 2014.

If you want more information the "Technology Award Program Overview, Requirements, Judging Criteria and Helpful Hints" are available on ASHRAE's website at the following link:

<https://www.ashrae.org/membership--conferences/honors--awards/technology-awards-program-overview>

or you can email me at Bradley.s.herbeck@jci.com with any questions you may have.

Don't care to compete but you would like to judge? It is a very simple process and it will not take much of your time. We are soliciting volunteers for judges and we would like your name on the roster by April 4, 2014. To sign up please email me at Bradley.s.herbeck@jci.com.

- GO DETROIT ASHRAE!

2014 CRC - Detroit

The 2014 Chapters Regional Conference will be held in Detroit August 7-9, 2014. The contract with Greektown Casino Hotel has been executed and we are under way! Next CRC planning meeting date will be posted just after the holidays. We have need for volunteers to guide several categories:

- | | |
|--------------------------|----------------------------|
| a. Spouse/Family Options | g. Printing |
| b. Friday Dinner | h. Society Liaison |
| c. Technical Tour | i. Cloud / Document Master |
| d. Transportation | j. Golf Outing |
| e. Registration | k. Photo/Video |
| f. Financial Audit Comm. | |



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



ASHRAE Region V 2014 Winter Regional Dinner

Sunday, January 19, 2014 at 6:30 P.M.

McCormick & Schmick's Manhattan

SALAD COURSE

GARDEN SALAD

Mixed Baby Greens, Tomatoes, Carrots with White Balsamic Vinaigrette

ENTREES (Pick One)

STEELHEAD SALMON

Cedar Plank Roasted with Northwest Berry Sauce, Seasonal Vegetables, Mashed Potatoes

CHICKEN PICATTA

Capers and Fresh Lemon, Over Orzo Pasta

CASHEW RED TILAPIA

Jamaican Rum Butter Sauce and Fruit Salsa, Seasonal Vegetables, Mashed Potatoes

* Vegetarian Meal Available Upon Request

DESSERT

CHOCOLATE DRIZZLED PROFITEROLE

Filled with Vanilla Cream

\$50.00 PER GUEST includes soft drinks, coffee or glass of wine, as well as tip and taxes. All other beverages can be purchased at the bar and will be guest's responsibility.

Please contact Lee Millies at lee@rlmrlm.com or (219)924-8400 to reserve your spot. I need a guaranteed number of guests by January 17, 2014 for the restaurant. Please do not wait until the last minute.

This restaurant is approximately 0.1 miles from the Hilton Midtown which is a short walking distance away.

Walking directions to 1285 Avenue of the Americas, New York, NY 10019

From:

New York Hilton Midtown Hotel
 1335 6th Ave, New York, NY 10019

1. Head southeast on W 54th St. toward Avenue of the Americas go 92 feet
2. Turn right onto Avenue of the Americas
 Walk 0.1 miles and destination will be on the right

Arrive at:

McCormick & Schmick's Manhattan
 1285 Avenue of the Americas
 New York, NY 10019

