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ASHRAE, Inc.  
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Atlanta, Georgia 30329  
(404) 636-8400

<http://www.ashrae.org/>

**Tuesday, October 16, 2007**

*Research Promotion/Membership Night*

**Location:** Energy Resource Station  
2006 South Ankeny Blvd.  
Ankeny, IA 50023  
*See map page 3*

**Schedule:** 4:30 – Tech Session  
6:00 – Dinner  
6:30 – Program

**Cost:** Members – Free  
Non-members - \$20 for dinner

***Geothermal & Building Simulation Software***

For the Tech Session, Curtis Klaassen of the Iowa Energy Center, will share some of the recent trends in geothermal systems.

For the Program, Dr. Greg Maxwell, Professor of Mechanical Engineering at Iowa State University, will discuss some of the recent updates and changes to building load simulation software such as DOE2, Trance Trace and HAPP.



## Past Presidents

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Robert Rist	1983-1984
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Einar Dahl	1968-1969
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Elwood Giberson	1962-1963
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Crom Campbell	1959-1960
R.T. Howard	1958-1959
W.A. Schworm	1957-1958
D.E. Schroeder	1956-1957
G.J. Kraai	1955-1956
W.E. Nanes	1954-1955
J.F. Sandfort	1953-1954
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C.H. McGuinness	1951-1952
R.S. Stover	1950-1951
D.E. Wells	1949-1950
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E.O. Olson	1946-1947
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P.E. Triggs	1942-1943
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Tracy Johnson	1939-1940
W.R. White	1938-1939

## THE PRESIDENT'S CORNER

Thank you to all of you that participated in this year's fall golf outing. We had a great time despite not being able to hold off the rain. The Legacy did a fantastic job putting on the event. Thank you also to all of the hole sponsors, we as a chapter appreciate your participation and support. Now that the golf is over, it is time to get down to the meetings.

This month's meeting will be held at the Iowa Energy Center on October 16th. The chapter topics for the month will be membership and RP. We will have technical seminars for the meeting topics. Check later in the newsletter for directions to the venue and final details on the meeting.

Mark your calendars for March 11<sup>th</sup>, 2008. Our chapter has confirmed with Dan Holohan of world renowned HeatingHelp.com for a steam seminar here in Des Moines. Dan combines a witty sense of humor, stories of touring Madonna's penthouse suite (all in the pursuit of steam related issues of course), and all technical aspects of steam systems. We will be finalizing details in the coming months on this event and plan to invite our neighboring chapters to have access to this seminar. This will be a great event.

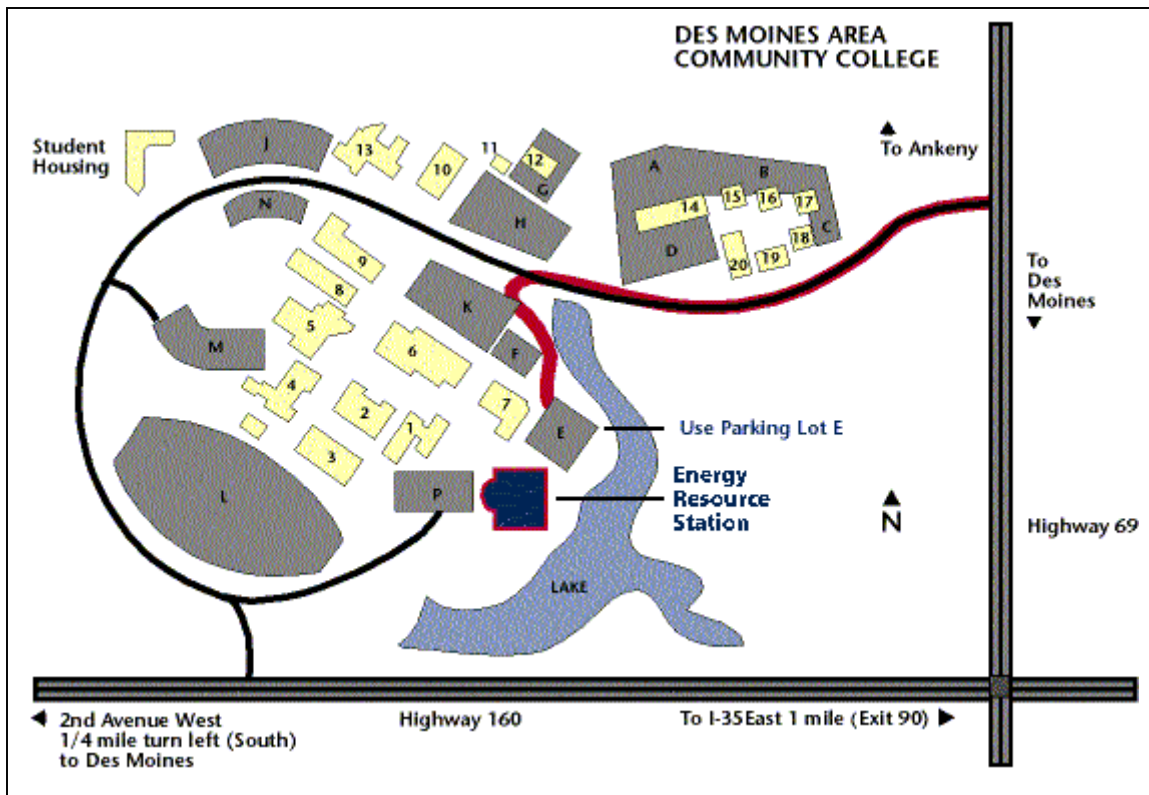
Congratulations go out to Mark Conway and Jim Kent. They are the winners of the complimentary beverage of their choice at one of the upcoming meetings. They spotted my drink blurb in my last newsletter column. You never know what you might miss...

Also, don't forget ASHRAE CRC in May of 2009, here in Des Moines. It will be here before we know it. If you would like to be involved shoot me an e-mail at [isieverding@dptmechanical.com](mailto:isieverding@dptmechanical.com), we will gladly find something for you to do.

That's all for today. Have a great month folks!

Jerrold Sieverding





MAP TO ENERGY RESOURCE STATION - ANKENY

## CRC 2009 – REQUEST FOR TOPICS

We are currently working to finalize topics for the 2009 CRC being held here in Des Moines. The technical program committee is looking for your input on technical presentations that are of interest to you. Please send an e-mail to me, [jsieverding@dptmechanical.com](mailto:jsieverding@dptmechanical.com), and we will take these topics to the next CRC Planning Committee meeting in October. The more ideas the better as we are working to bring the best speakers in for this event.

## WANT TO MAKE \$50

We are looking for a theme for the 2009 CRC. Since we are bunch of uncreative engineers, we are looking for any great ideas on themes. The Planning Committee will ultimately decide them, but we are looking for any creative, fun ideas for themes. We will give the winner \$50 cold, hard cash. Again, feel free to e-mail your ideas to me at [jsieverding@dptmechanical.com](mailto:jsieverding@dptmechanical.com).

## ACE MENTORS NEEDED

Are you a design professional, contractor or sales representative passionate about your work? Are you willing to share that passion and experience with an emerging high school student.

If so you would make an excellent ACE Mentor! The ACE mentor program of Iowa is designed to inform high school students of the numerous professional career opportunities in the design and construction fields.

ACE stands for Architecture, Construction and Engineering and is a 16-week program with Des Moines area high schools.

If you are interested in learning more please contact Dan Keagle at [dan.keagle@weitz.com](mailto:dan.keagle@weitz.com) or 515-246-4788 or Matt Cole at [mcole@sinclairhille.com](mailto:mcole@sinclairhille.com) or 515-244-7640.

## PROFESSIONAL DEVELOPMENT SEMINARS

*Lighting Technology Update – II  
Current Concepts & Controversies in Lighting  
Design Practices*

Monday October 29, 2007  
8 am -5:30 pm  
Energy Resource Station  
DMACC Ankeny, IA

This full day seminar is an update on current lighting trends from Stan Walerczyk, one of the key national figures in lighting design and application.

Seminar is eligible for PDHs  
\$150 Registration Fee

*Geothermal Heat Pump Systems  
IGSHPA Accredited Installer Training*

November 7-9, 2007  
Energy Resource Station  
DMACC Ankeny, IA

This intensive three-day course will teach you how to design and install heat pump systems for residential and light commercial projects.

Seminar is eligible for PDHs  
\$430 Registration Fee  
\$180 IGSHPA Accreditation Exam (Optional)

Registration required for both seminars  
Contact Denise Junod  
515-965-7055  
[djond@energy.iastate.edu](mailto:djond@energy.iastate.edu)

[www.energy.iastate.edu](http://www.energy.iastate.edu)

## CALL OUT FOR ASHRAE HISTORY

Are you old? Have you been involved in ASHRAE since the beginning of time? We want your experiences! Contact Jason Kems at [historian@ashraeiowa.com](mailto:historian@ashraeiowa.com) if you can and will share some wonderful stories about the Iowa ASHRAE Chapter. Perhaps you have some pictures from past Iowa ASHRAE events or remember some significant event that helped to shape the current Chapter. We're looking to expand our history archives and bring them into the 21st century so we can share them with the world. Come on, you have a story to tell! Send it in!

### Iowa Chapter Sponsors

# Get Noticed!!!

We're looking for sponsors for the 2007-2008 newsletter.

Your support is greatly appreciated.

Please contact Andrew Pospisal  
([apospisal@mail.ashrae.org](mailto:apospisal@mail.ashrae.org)) for details.

## **ANNOUNCEMENT:**

### ***Demand Controlled Ventilation Requirements Proposed for ASHRAE 62.1***

**ATLANTA** - Requirements for systems that use optional demand-controlled ventilation strategies are being proposed for ASHRAE's ventilation standard.

ANSI/ASHRAE Standard 62.1-2007, Ventilation for Acceptable Indoor Air Quality, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

Seven proposed addenda to the standard currently are open for public comment.

Currently, the dynamic reset section of the standard allows designers to use optional controls to reset outdoor air intake flow and/or zone minimum airflow as conditions within the system change. For instance, it would allow a ventilation-system control approach that alters outdoor air intake flow based on time-of-day, if variations in zone population follow a predictable schedule, according to Dennis Stanke, committee chair.

Proposed addendum 62g provides more specific requirements for such optional system controls, especially those historically called "demand controlled ventilation" (DCV) and based on the use of CO2 levels, as they relate to outdoor airflow rates.

For example, the addendum would require that optional DCV controls provide no less than the "area outdoor air rate" listed in Table 6-1, and that such controls maintain the minimum outdoor air intake flow no lower than the exhaust airflow rate required by Section 6.2.8, Stanke said.

"After public review and approval, this change should clarify DCV requirements," he said. Also open for public comment is proposed addendum 62.1c, which would add performance-based air cleaning requirements to section 6 of the standard. This would allow designers in jurisdictions outside of the United States to more readily determine when air cleaning is required. If approved, this addendum also would add air cleaning requirements for systems in non-attainment areas for particulate matter with diameter 2.5 microns (PM2.5) and smaller. Such systems would need to use intake air filters with minimum efficiency reporting value (MERV) 11.

"Through better filtration, this would improve indoor air quality in many metropolitan areas of the United States," Stanke said.

Also open for public comment is addendum 62.1i, which replaces mandatory language requiring that outdoor air rates for environmental tobacco smoke (ETS) areas be determined using engineered methods with language indicating that increased outdoor air rates address odor and comfort for ETS areas, but not health. It also expands and clarifies a note to inform designers that increased outdoor airflow has not been shown to reduce health effects associated with ETS.

Proposed addenda open for public comment from Sept. 14-Oct. 14, 2007, are:

- Addendum f clarifies the meaning of "pool deck area" and associated outdoor airflow rate requirements.

***Demand Controlled Ventilation Continued on Pg. 6***

## **Demand Controlled Ventilation Continued**

Proposed addenda open for public comment from Sept. 14-Oct. 29, 2007, are:

- Addendum a clarifies air recirculation exceptions related to energy recovery systems and allows Class 2 air to be transferred to toilet rooms.
- Addendum c adds performance-based requirements for each contaminant so designers in jurisdictions outside of the U.S. can more readily determine when air cleaning is required.
- Addendum e updates references to industry standards and documents.
- Addendum g provides additional requirements for demand controlled ventilation systems to augment the section regarding dynamic reset.
- Addendum h updates information regarding U.S. ambient air quality regulations.
- Addendum i modifies the language in 6.2.9., Ventilation in Smoking Areas. It replaces requirements to use engineered methods to determine ventilation in ETS areas with a requirement to use increased outdoor air rates to address odor and comfort for ETS areas, but not health.

Proposed addenda to ASHRAE standards are available during public review periods. To read the addenda or to comment, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

**ASHRAE Fall  
2007 Online  
Seminar Series**

- Complying with Standard 62.1
- Natural Ventilation
- Complying with ANSI/ASHRAE/IESN A Standard 90.1
- Humidity Control I
- Humidity Control II
- Intro to Green Building & Sustainable Construction
- Dedicated Outdoor Air Systems
- Intro to BACNet®

Take 2 or more courses and save 15% off the total registration

Price: \$150  
ASHRAE Member/  
\$225 Non-Member

Click here for Humidity I & II special pricing

Earn 3 PDHs/.3 CEUs or 3 AIA LUs

### **PRODUCT DIRECTORY ANNOUNCEMENT**

All members and advertisers should be aware that the 2007-08 ASHRAE Iowa product directories will be available for pick-up at the October meeting.

### **CALL FOR GOLF OUTING PHOTOS**

We are looking for photos taken at the 2007 Fall Frolic Golf Outing at Legacy. If you have any please send to Jason Kems at [jkems@harthammer.com](mailto:jkems@harthammer.com)



**ASHRAE RESEARCH  
PROMOTION FUND  
2007-08**

*Your contribution puts us closer to achieving our goal. Please send what you can today!*

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**Donations may also be contributed via the Internet at [www.ashrae.org](http://www.ashrae.org)  
under the “Contribute Online” quick link.**



**IOWASTALKS**  
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 c/o Brooks Borg Skiles  
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 Des Moines, IA 50309

## Iowa ASHRAE Chapter 2007 – 2008 Calendar (Tentative)

Tuesday, September 18 <sup>th</sup>	Fall Frolic	Legacy	Golf/RP
Tuesday, October 16 <sup>th</sup>	Geothermal/ Building Modeling	Ankeny	Membership & RP
Wednesday, November 14 <sup>th</sup>	Panel & USDA Lab Tour	Ames	Student Night
Monday, December 17 <sup>th</sup>	USGBC, CSI Joint Meeting	Embassy Club	Past Presidents
Wednesday, January 16 <sup>th</sup>	TBD	TBD	Resource Promotion
Monday, February 18 <sup>th</sup>	TBD	TBD	“R” in ASHRAE /
Monday, March 17 <sup>th</sup>	Steam Seminar	TBD	Membership/YEA
Monday, April 14 <sup>th</sup>	ASHRAE Broadcast	Ankeny	Elections
May	Spring Fling	TBD	Golf/RP
May 15-17	CRC	Chicago	

**Get this by E-mail TODAY!**

The Iowa Chapter is now mailing newsletters electronically! If you're one of the few people still receiving this by "snail mail" and want to jump on the technology bandwagon send a message to [apospisal@mail.ashrae.org](mailto:apospisal@mail.ashrae.org) and we'll get you on the mailing list! Act now and receive the newsletter in full color PDF format!