



The A.S.H.R.A.E. Newsletter

American Society of Heating, Refrigeration and Air conditioning Engineers, Inc.
Southwest Florida Chapter # 139

Voted Region XII Best Newsletter for ASHRAE Year 1998-1999

March 2006

Volume 11 Issue 7



PRESIDENT'S MESSAGE

Our new meeting location for March, April, and May will be the Magnolia Room in the Town Center at Pelican Preserve. Pelican Preserve is 1 mile east of I-75 on Colonial Blvd. We are able to hold our costs the same. The difference is that they will want to know how many of each meal, the day before our meeting. Again, notification of your attendance will be important. I hope you will like the facility.

The Solid Waste Energy Plant tour was very interesting and impressive. We had a good turn out.

Our Webmaster, Kurt Vega, has been working on the site. You should try using it for you meeting attendance and to pay for the meeting with a credit card. The site is complete with a map to Pelican Preserve. Thanks to Kurt for his hard work.

Other plans for the Website are to allow you to purchase a link from our site to your company information. We are looking for sustaining members to increase our sponsorship for the site. We also will be providing an opportunity for you to put your business card there. Information on the 2006 CRC will be showing up soon. Stay tuned for more

Our chapter is hosting the 2006 CRC (Chapters Regional Conference) at the Sanibel Harbor Resort. We expect to have the best program and support for Region XII. Don Pine is the General Chair. He will be needing your help for the many aspects of the event. Please call him a let him know you are willing to help.

This month's speaker is a distinguished lecturer for ASHRAE. He is Professor Khalil. Since he traveling so far and is such a qualified person, we will be having an extra session to get the most from his experiences.

Therefore, at 3:00 he will be speaking on Hospital Critical Care Systems. During our regular meeting he will be talking on Ventilation of the Pyramids of Giza.

Please let us know if you want fish, chicken or beef with your reservation. Hope to see you all there.

John Pennington, President SWFL ASHRAE Chapter

MARCH MEETING NOTICE

Topic:

Air-Conditioning Systems in Hospitals and Critical Healthcare Systems & Ventilation of the pyramids

Guest Speaker:

**PROFESSOR ESSAM EL-DIN
KHALIL, Ph.D.– Cairo University**

Meeting Location:



Magnolia Room

Town Center at Pelican Preserve
(just off Colonial Blvd.)

Date:

Wednesday March 8, 2006

Time:

3:00 - 5:00 Early Program

5:00 – 6:00 Board of Governors Meeting

5:45 - 6:30 Social

6:30 - 8:30 Dinner, Meeting and Program

Cost:

\$30.00 per member.

Reservations are a must!!

email Mary Kay Gonzalez

fasteagle@aol.com

www.swflashrae.org

This Month's Topic:

Air-Conditioning Systems in Hospitals and Critical Healthcare Systems & Ventilation of the Pyramids

Presented By:

PROFESSOR ESSAM ELDIN KHALIL, Ph.D.– Cairo University



Professor Khalil is a professor of Mechanical Engineering at Cairo University. He is the Chairman and CEO of CEB Consulting Engineering Bureau, Cairo Egypt. His University teaching, research and industrial experiences focus on the analysis of thermal power systems and heat transfer in air-conditioned spaces. His research includes modeling, pollutant emission and control. He is the Chairman of National HVAC Code and National Energy Efficiency in Building HVAC Code Committees. Professor Khalil had authored seven books and over one hundred articles and papers on the various aspects of building systems, hospital air-conditioning design and energy engineering. He and his research group have been pioneers in development of computer programs for indoor air quality in hospitals and health care facilities. He has been active in technical, professional design of air-conditioning systems for commercial buildings and hospitals around the Middle East region. He is an active member of ASHRAE, President Elect of the Cairo Chapter, Fellow ASME, Associate Fellow AIAA and Member ISIAQ.

The balance between thermal comfort and air quality in healthcare facilities to optimize the Indoor Air Quality (IAQ) is the main aim of this lecture. The present lecture discusses this balance from the viewpoint of the air conditioning design. It was found that the design of the HVAC airside systems plays an important role for achieving the optimum air quality beside the optimum comfort level. The present lecture introduces some recommendations for airside designs to facilitate the development of optimum HVAC systems. **There will be two sessions, the early session will deal with Critical Health Care Ventilation. The normal meeting will deal with ventilation of the Pyramids.**

Past Presidents of #139 Southwest Florida Chapter

- 1982 - 1983 Edward O’Neal, P.E.
- 1983 - 1984 Edward O’Neal, P.E.
- 1984 - 1985 Dennis Holland
- 1985 - 1986 Ross Montgomery
- 1986 - 1987 Jeff Dorini
- 1987 - 1988 Kermit Rood
- 1988 - 1989 Bill Malphus
- 1989 - 1990 Tom Delnay
- 1990 - 1991 Nelson Tarbox
- 1991 - 1992 Gary H. Griffin
- 1992 - 1993 Gary H. Griffin
- 1993 - 1994 Jeff Zenoniani
- 1994 - 1995 Lisa A. Duritsch
- 1995 - 1996 Jason Grabowski
- 1996 - 1997 James Faulkner
- 1997 - 1998 Robert Risley
- 1998 - 1999 Winifred Denius
- 1999 - 2000 Paul Martin
- 2000 - 2001 Don Pine
- 2001 - 2002 Randy Saul
- 2002 - 2003 Jason Allen
- 2003 - 2004 Mark Brant, PE
- 2004 – 2005 Guy Van Meulebrouck

Please help us update the ASHRAE email list

Email to Kurt Vega at kvega@saftronics.com, call 239-693-7200 X218 or mail to:

Kurt Vega
5580 Enterprise Pkwy
Fort Myers, FL 33905
239-693-7200 ext. 218

Please include the following:

Name: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

Membership # _____

Membership News

Fellow ASHRAE members,

As we all know, membership is vital to our existence as an organization. Each year we strive to increase our strength by growing the number of members we have within our chapter. Although new members are extremely important to our growth, the maintaining of our existing membership is equally important. We continually maintain a high number of current members who are on the delinquency list for past dues. If you are currently a member of our chapter and are delinquent on you dues, please make an effort to remove your name from that list. As well, if you know of someone who may be past due, please encourage them to attempt to get up-to-date. Without our current members, new members would not have a viable reason to join our organization.

With that being said, during the month of March, the membership committee will be conducting a telephone campaign to contact all delinquent members to remind them of their delinquency status. Please remember that once you have been delinquent for more than 12 months, Society can revoke your membership privileges and you will need to be reinstated as a new member. As well, if you know of any member who may be unaware that they are delinquent, please let them know, so that they can avoid going through the trouble of being reinstated.

To date, we have 11 new members along with an equal number of members who have transferred in versus those who have transferred out. If you know of anyone who is not a member, but could benefit from membership within our chapter, please encourage them to join, or contact me for any information.

Congratulations and welcome to all of the new members to our chapter along with those who have transferred in from other chapters, and farewell & best wishes to all of our members who have transferred out.

Sincerely,

Keith Enwright
Membership Promotion Chair

SATELLITE BROADCAST/WEBCAST

Green – What does green mean to you?? It's not the Jack in the beanstalk or the jolly green giant that we used to know??

USGBC started its LEED program in 1999, to promote the green building movement and set high standards for our building Industry to follow.

LEED's mission is to >>

- ❑ Establish a common “Green” standard of measurement
- ❑ Promote integrated-whole building design
- ❑ Recognize environmental leadership
- ❑ Stimulate green competition
- ❑ Raise awareness of Green building benefits
- ❑ Transform the building market

“Green” or “Sustainable designed” buildings use valuable resources, such as gas, electric, water, wind, land use, etc., more efficiently than simple “code compliant” or to its minimum levels of quality. The Green building mandates performance over process. The guidelines do not restrict how the savings and efficiencies are created or created; they motivate and inspire Engineers, Contractors, and Vendors to creatively enhance their offerings. It is all about being result-oriented!!!! The standards are pretty open now, soon for sure to change so get on the “green bandwagon “ now!

The critics say it costs more, but it is being proven out that although it may cost about + 5% more in the front-end, it ends up saving in orders of magnitude more (up to \$50-70/sq.ft.) thru the life cycle of the building, in M&O, Productivity and Utilities. So pay me now or pay me later the same old question keeps coming around? If you are going to own your building for more than a year ---GREEN is for YOU!

“Sustainable design” is a collaborative approach to architecture, engineering, and construction. It is a chance for all professionals to work together in a TEAM to solve your Customer and our Global energy and environmental dilemmas.

L.E.E.D. is the Leadership in Energy and Environmental Design, and it is the fastest growing “movement” in our HVAC&R design Industry that we have seen since “VAV” hit the marketplace.

ASHRAE (along with USGBC and IESNA) is all over it, our BOD has approved the development of Standard 189P, “Standard for the Design of High-Performance **Green Buildings** Except Low-Rise Residential Buildings, and it will provide minimum requirements for the design of sustainable buildings to balance environmental responsibility, resource efficiency, occupant comfort and well-being, and community

CRC 2006

Well, it is that time. I guess I have to get this thing kicked off. For those who can, Please plan on attending a CRC 2006 Host Committee Meeting.

Meeting to be held at the Ft. Myers Ale House @ 11:30 am Friday 3/10/06.

This is going to be a large undertaking for many of us. Please feel free to help in any way you can, and encourage others to do so..

Thanks for your help and participation.

Don E. Pine
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Fax: 239-939-4225
e-mail: dpine@umihvac.com

ASHRAE’s Most Used Standards Available on One CD

ATLANTA – ASHRAE’s “greatest hits” – its 12 top selling standards and guidelines - are now available on one CD.

Design Essentials: ASHRAE’s Most Referenced Standards and Guidelines contains a library of documents that can be easily searched and printed with copy and paste features for text and graphics. The standards and guidelines address design or system operations, and most are code-intended standards.

“Because ASHRAE standards/guidelines often refer to requirements in other standards, our documents need to be used together in order to understand the means for compliance with any one of them,” Rick Hermans, chair of ASHRAE’s Standards Committee, said. “The Design Essentials CD is intended to make that process simpler for the user.”

Hermans noted that the standards and guidelines included in the CD serve as the basis for HVAC&R design and some of them are referenced in building codes.

Included are:

- ANSI/ASHRAE Standard 15-2004, Safety Standard for Refrigeration Systems;
- ANSI/ASHRAE Standard 34-2004, Designation and Safety Classification of Refrigerants;
- ANSI/ASHRAE Standard 52.2-1999, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size;
- ANSI/ASHRAE Standard 55-2004, Thermal Environmental Conditions for Human Occupancy;
- ANSI/ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality;
- ANSI/ASHRAE Standard 62.2-2004, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings;
- ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P edition);
- ANSI/ASHRAE Standard 90.2-2004, Energy-Efficient Design of Low-Rise Residential Buildings;
- ANSI/ASHRAE Standard 135-2004, BACnet®: A Data Communication Protocol for Building Automation and Control Networks;
- ASHRAE Guideline 0-2005, The Commissioning Process;
- ASHRAE Guideline 1-1996, The HVAC Commissioning Process;
- ASHRAE Guideline 13-2000, Specifying Direct Digital Control System.

The cost of the single-user version of Design Essentials: ASHRAE’s Most Referenced Standards and Guidelines is \$499 (\$429, ASHRAE members). Annual renewal fee for access to updates after the first year is \$290 (\$220, ASHRAE members).

A network version also is available for organizations so multiple users can have simultaneous access.

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, by mail at 1791 Tullie Circle NE, Atlanta, GA 30329, or visit the ASHRAE.org Bookstore at www.ashrae.org/bookstore.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

New Meeting Location!

Our Meeting location has changed, we will now be meeting at the Magnolia Room at Pelican Preserve.



Statements made in this publication are not expression of the Society

SUSTAINABILITY AND THE BUILDING ENVIRONMENT SATELLITE BROADCAST/WEBCAST

Wednesday, April 19, 2006
1:00 p.m. – 4:00 p.m. Eastern Daylight Time



Information regarding building sustainability principles, practices, and emerging concepts will be presented in this free broadcast/webcast sponsored by the ASHRAE Chapter Technology Transfer Committee (CTTC).

How to Participate

- You may host a Satellite Broadcast site for your colleagues
- You may register to view the Broadcast at a site
- Or, you may register to view the Webcast on your PC

About the Presenters

Presenters will explore how we can better maximize the effective use of resources while minimizing the impact on the environment. Learn more about the presenters at <http://www.ashrae.org/greenbuildingsbroadcast>

PDH Credits

Earn two (2) Professional Development Hours (PDHs) or two (2) AIA Learning Units by completing the Participant Reaction Form following the broadcast/webcast.

Join ASHRAE Now and Save \$50!

Participants who are not currently ASHRAE members are cordially invited to join ASHRAE at a special introductory rate (\$50 discount) for the first year of membership. A special membership application will be available by request at membership@ashrae.org after March 1, 2006. [Click here](#) for information about ASHRAE member benefits.

To Register or For More Information

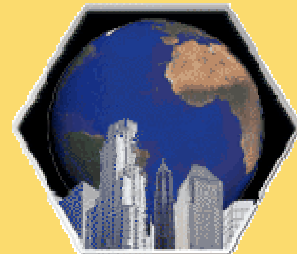
(There is no registration fee)

Online registration for Satellite Broadcast Site Coordinators and Webcast Participants will begin March 1, 2006, at <http://www.ashrae.org/greenbuildingsbroadcast>. Satellite broadcast participant registration will begin March 15, 2006.

If you have any questions, call us at 678-539-1139 or email us at CTTC-SatelliteBroadcast@ashrae.org.

Learn more about ASHRAE sustainability products and services at www.engineeringforsustainability.org.

You are receiving this email offer from ASHRAE because you are a member, or you purchased a product/service or subscribed on our web site. To avoid having these blocked by spam-blocking software, add bookstorehelp@ashrae.org to your address book today. To no longer receive our marketing emails, send a blank email to leave-satbcast-1554582X@listman.ashrae.org.



ASHRAE 2005-06 Chapter Meeting Dates

Meeting Date	Program	Speaker / Representative	Location
Sep. 14, 2005	Thermographs and it's Application to HVAC	Jim Thompson	Bogert's Chop House
Oct. 12, 2005	ASHRAE 62-01 ADDENDA "N"	Charlie Waddell	Bogert's Chop House
Oct, 2005	Golftoberfest	Jason Grabowski	TBA
Nov. 9, 2005	Building Leakage	Andy Ask	Bogert's Chop House
Dec. 9, 2005	Everblades Hockey Game and Dinner		Germain Arena
Jan. 11, 2006	Ammonia/Carbon Dioxide Hybris Systems	Will Stoecker, Ph.D	Bogert's Chop House
Feb 22 2006	Solid Waste Energy Plant Tour	Guy Van Meulebrouck 3:00PM	Solid Waste Energy Plant
Mar. 8, 2006	Air Conditioning Systems in Hospitals & Critical Health Care	Essam Eldin Khalil, Ph.D	Magnolia Room at Pelican Preserve
Apr. 12, 2006	TBA		Magnolia Room at Pelican Preserve
May 20, 2006	8th Annual Backwater Fishing Tournament	Dean Sanders/ Keith Enwright	Tentative Rum Runners
May 10, 2006	Improving Efficiency in K-12 Schools District Wide	Verie William	Magnolia Room at Pelican Preserve
TBA - May	6th Annual 8-Ball Pool Tournament	Lisa Duritsch	Miscue Lounge
TBA - June	President's Party		TBA
Aug 2006	Region XII CRC	Done Pine	Sanibel Harbor Resort

A.S.H.R.A.E - Southwest Florida Chapter 2004-2005 Officers and Committee Directory

Chapter Officers:

President
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Vice President
Mike Myers
Ph. 239-275-4240

Treasurer
Sam Moreland
Ph. 239-278-1988

Secretary
Robert Lesnau
Ph. 239-275-4240

Chapter Board of Governors:

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Mark Brant
Ph. 239-939-9098
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Gary Griffin
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1-800-527-4723

Chapter Committee Chairpersons:

Chapter Technology and Transfer Committee (CTTC)

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Programs
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Technical, Energy, and Governmental Activities

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Ph. 239-243-6811

Resource Promotion
Mike Myers
Ph. 239-275-4240

Chapter Committee Chairpersons:

News Letter Editor
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Honors and Awards
Gary Griffin
Ph. 239-332-4646

Historian
Lawrin Ellis
Ph. 239-275-4240

Student Activities
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