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MAY 2010



The Dewpoint

THEME: REFRIGERATION MONTH

PRESIDENT'S MESSAGE



Rich King, PE

The time has come for our last chapter dinner meeting for the 2009-2010 ASHRAE year. We will be hosting Dr. Sherif who will present on Ice Fog and Psychrometrics. For our YEA members, Todd Moore will present on refrigeration just prior to the dinner meeting. The May meeting also brings our changing of the guard. The new officers will be inducted for the 2010-2011 ASHRAE year.

We had yet another successful Spring Golf Tournament at Sanctuary Ridge in Clermont. Many thanks go to Firouz Keikavousi, Megan Tosh and John Miller for all their efforts in pulling the tournament together! The golf tournaments go a long way towards our Research Promotion goal and all your donations are appreciated.

For the second year in a row the ASHRAE senior design students presented at the Progress Energy Senior Design Symposium in Renewable & Sustainable Energy. I'd like to thank Bob Rich for putting this event together. Our relationship with UCF continues to grow and we are proud to be working with such a wonderful university. The knowledge that these students have gained working on the ASHRAE design competition is really incredible. They will make great employees for any company in the HVAC arena. If you have any need for a new engineer in your organization, make sure you speak with me or Anik Patel.

Last but not least the ASPE/ASHRAE product show is on May 11th at the Central Florida Fairgrounds. There are over 70 vendor tables already signed up. If you haven't reserved your table yet, it isn't too late. If you are interested please contact Eric Knauth at eknauth@x-nth.com. I'm looking forward to seeing you there.

We are still in the midst of finalizing a refrigeration tour this year. Please watch your email for details.

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www.ashrae-cfl.org

ASHRAE Society Website: www.ashrae.org

Upcoming Events

ASPE-ASHRAE Product Show
May 11, 2010
Central Florida Fairgrounds

Ice Fog and Psychrometrics: The Missing Link in Industrial Freezer Design
May 13, 2010
S.A. Sherif, PhD
Joint Meeting with AEE

Ice Den Refrigeration Tour
June 10, 2010
RDV Sportsplex

Future of Florida Facilities Conference
June 17, 2010
VCC West Campus

2010 Region XII CRC
August 19-21, 2010
Rosen Centre Hotel

Programs

Chair:
Jason Alphonso, PE



ASHRAE Distinguished Lecturer Charles Gullidge was the main speaker for the April meeting. The topic was "Master Format 2004". Your feedback had mixed responses. Some described the meeting as "very informative", well as others termed the topic as downright "very dry". All the same, I thank you for coming out and attending.

Please join us for the final technical meeting of the year. My graduate committee chair and mentor, Dr. S.A. Sherif will be leading the May technical meeting. Dr. Sherif is an ASHRAE Fellow and an ASHRAE Distinguished lecturer. His topic is geared towards refrigeration. Refrigeration is always referred to as the "silent R" in ASHRAE. The ASHRAE society on the whole is accused of not giving it due importance. Refrigeration is something we take for granted and for most of us, our world of refrigeration is limited to our household refrigerator. The broad umbrella of refrigeration includes ammonia refrigeration, design of large scale warehouses, refrigerated transportation, marine refrigeration, cryogenics, ultra- low temperature and a host of other applications.

Dr. Sherif's discussion will give you fond memories of your college days. He will help you rediscover the psychrometric chart and plot lines, points and conditions you did not know existed. Do you want to see your ASHRAE research dollars at work? Come see the professor's work and the impact it has on our industry and community.

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment, both indoors and out.

Latest Publications from ASHRAE!

Standard 189.1-2009, Standard for the Design of High-Performance Green Buildings
(A Jurisdictional Compliance Option of the IGCC)
ASHRAE Handbook Online – Web-Based access to all 4 volumes
ASHRAE Pocket Guide – Useful information that fits in a shirt pocket
IAQ Guide: Best Practices for Design, Construction and Commissioning
Load Calculation Applications Manual (SI)

Other Products from ASHRAE!

Energy Efficiency Guide for Existing Commercial Buildings
Dampers and Airflow Control
Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities
Principles of Heating, Ventilating, and Air Conditioning – Textbook based on the 2009 ASHRAE Handbook - Fundamentals

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!

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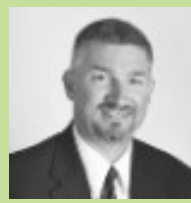
<http://handbook.ashrae.org>

**Renew Your
Membership
Online!**

**Visit ashrae.org
and
Manage Your
Membership**

2010 Region XII CRC

Chair:
Mike Dillard



Co-Chair:
Wade Conlan, PE



The Central Florida Chapter of ASHRAE invites all of the Region XII members to the Orlando Rosen Centre Hotel for the 2010 CRC on August 19th, 20th and 21st. Please be aware that the schedule of events has changed from the CRCs in the past so make sure you understand the new timeline. One of the biggest changes is that the event ends at noon on Saturday after the Committee Workshops (about noon). That's right, no Saturday Awards Lunch or Saturday afternoon Business Session II. The Awards are being teamed with the Friday Night Dinner instead of handing them out at the Saturday lunch. Please make sure your Committee Chairs know it has changed so they can attend. The Business Session II is now Friday afternoon with Session I being Friday morning. The Tech Session has been moved to Thursday morning. And for the Delegates and Alternates – the Caucus is no longer on Friday and Saturday morning at 6:30am. This has been moved to Thursday afternoon from 2pm until done (hopefully before the Welcome Reception). What does this mean – Delegates and Alternates need to be on-site and ready for the Caucus by 2pm on Thursday the 19th. Don't be late. You can find the schedule at [here](#).

Of course with the CRC comes the *Value* and *Respect* of being a Sponsorship of the events. We are in the process of asking for Sponsors – and need your help. If you feel that your company, or yourself personally, are able and willing to be a sponsor please let us know. We will be contacting you in the near future to see if you can help. For more information on the Sponsorship Packages please take a look at the website at <http://crc2010region12.org/sponsorships>.

You can register online for the hotel at [Rosen Centre](#) (click the link) and for the CRC at our website for this event - <http://crc2010region12.org>. Please register early (and often) for the events and the hotel.

Once again, Central Florida hopes you can make the 2010 CRC.

Student Activities

Chair:
Anik Patel



Co-Chair:
Kellie Watson



The Progress Energy Senior Design Symposium in Renewable & Sustainable Energy was held last month at UCF. Ten UCF senior mechanical engineering students presented their ASHRAE year-long student competition projects to about 100 representatives from the energy and engineering community. Our students have been experimenting with tri-generation technology for use with HVAC and electricity generation.



On April 15, Anik Patel guest lectured to a construction project management class at Seminole State College in Heathrow. Anik gave the students a brief overview of ASHRAE and how HVAC and overall building construction interact. Special thanks to professor Mark Woodlock for allowing us to speak to his students.

Chair:
John Davant



Last months distinguished lecture Charles E Gulledge III PE, CSI, MAI presented the master specification format 2004 edition. The discussion was geared towards the format of the specifications and its intentions. Be sure to visit www.csinet.org for additional information of the master format and updates.

The tech proposals have been submitted for review. Thanks to all of you who submitted your proposals. We had some really creative proposals and ideas. That's what makes ASHRAE such a great organization to be a part of.

Technical Activities

Commissioning for High Performance Buildings

Co-Chair:
John Fabian



Did you attend ASHRAE's Webcast on April 21st? If not, you missed an incredibly comprehensive review of commissioning from ASHRAE's panelists and their answers to member questions. The webcast was broken into two parts. The first half discussed design & construction while the second covered operation and maintenance.

The focus of the design & construction half of the webcast was the owner's project requirements. The need to have clear requirements from the owner right at the beginning of a project could not have been emphasized more. Sample questions to ask an owner when generating project requirements were provided during the webcast and are available in ASHRAE Guidelines 0 and 1.1.. According to the panelist, it is critical that the commissioning authority be involved right from the start—including the project requirements meeting. The owner is not likely to save any money by waiting to include commissioning and provisions for such should be included in the contracts for both designers and contractors.

After a short break, the panelist focused their commissioning discussion on building operation. The conversation recognized that maintenance staff cannot be expected to successfully operating a building from Day 1 if they begin by correcting mistakes made in the design and construction phases, but they can be a determining factor is the success of a building's operation. Panelists were in agreement that building operators need proper tools, more training and follow-up to solidify their understanding of the building's design and intended use. Better training and more extensive resources are a must! There is no replacement for continuous commissioning of a building to ensure its proper operation.

ASHRAE Learning Institute Spring 2010 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723
(US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar.
Courses are in US Eastern Standard Time.



Courses in May

District Cooling & Heating Systems: Central Plants
Monday, May 3, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Requirements of ASHRAE Standard 62.1-2007
Wednesday, May 5, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Understanding & Designing Dedicated Outside Air Systems (DOAS)
Monday, May 10, 2010 – 1:00 p.m. to 4:00 p.m. EDT



Standard 189.1 Training

The ASHRAE Learning Institute (ALI) is bringing *Standard 189.1-2009* training to a city near you.

Understanding Standard 189.1-2009 for High-Performance Green Buildings
May 25, 2010 – 1:30pm – 4:30pm, **San Francisco, CA**

Understanding Standard 189.1-2009 for High-Performance Green Buildings
June 2, 2010 – 1:00pm – 4:00pm, **Arlington, TX**

Implementing Standard 189.1-2009 for High-Performance Green Buildings
June 10, 2010 – 8:00am – 4:00pm, **Atlanta, GA**

Implementing Standard 189.1-2009 for High-Performance Green Buildings
June 26, 2010 – 8:00am – 4:00pm, **Albuquerque, NM**

Visit www.ashrae.org/189.1courses for more information and to register



Chair:
Amy Pastor, PE



Co-Chair:
Amy Weaver, PE



Membership Promotion

Renew Your Membership Online!

Visit ashrae.org and Manage Your Membership

Attention all Central Florida ASHRAE Members! The membership promotion committee wants to let you know some important news that came to us from ASHRAE headquarters. Starting on July 1, 2010, Society dues will be increased from \$165 to \$180. Each year after that, for the next 3 years, Society dues will increase by \$5/year.

If you renew your membership by July 1, 2010, you will still get the \$165 rate. If your membership expires after July 1, 2010, you can still renew before the increase and save yourself \$15! Your renewal date won't change, you'll just be renewing your membership early (e.g. your renewal date is 10/31/2010 but you pay your dues on 6/15/2010. Your membership extends out until 10/31/2011).

ASHRAE is also offering a 3-year renewal where you can pay for your first year renewal at the current rate (\$165) and the next two years will only be \$150 per year. It equals almost \$100 saved over the next three years.

There's some great opportunities to renew your ASHRAE membership and save some money before the change takes effect. Please don't hesitate to contact Amy Pastor (apastor@x-nth.com) or Amy Weaver (amyw@c-p.com) with any questions that you may have. We all look forward to seeing you renew your membership!!

Young Engineers in ASHRAE

Chair:
Leo Rocha



Chapter Past Presidents

James A. Oberlin	1962-63
James A. Driver	1963-64
Warren L. Chase	1964-65
Kenneth E. Hayes	1965-66
Lloyd H. Boissoneault	1966-67
William C. Denson, PE	1967-68
Maynard D. Reese	1968-69
William R. Penn	1969-70
Theodore H. Brooks	1970-71
J. Wesley Floreth	1971-72
Wiley M. Cauthen	1972-73
Edwin C. Pratt	1973-74
Lyle M. Houser, Jr, PE	1974-75
Hal A. Head, PE	1975-76
Garth E. Tristram	1976-77
Raymond E. Davis	1977-78
W. Hugh Wilson, Jr	1978-79
William M. Dillard	1979-80
John D. Simmonds, PE	1980-81
Joseph K. McCarthy	1981-82
Dwayne Lorenze	1982-83
David Wassman, PE	1983-84
David Krause	1984-85
Bill Watford	1985-86
John J. Asendorf, PE	1986-87
Melvin Borczynski	1987-88
Jack Zelsman	1988-89
Kenneth L. Eiermann, PE	1989-90
Kevin K. McKenzie, PE	1990-91
Todd S. Morgan, PE	1991-92
Firouz Keikavousi	1992-93
John Elsea	1993-94
Bernard Horne	1994-95
Mark Lanier	1995-96
Larry Snyder	1996-97
Bill Leaton	1997-98
Hossein Dayi, PE	1998-99
Gary Carver, PE	1999-00
Michael Sheerin, PE	2000-01
Traci Just	2001-02
Chris Bradford	2002-03
Dan Cross, PE	2003-04
Damon Lynn, PE	2004-05
Todd Moore, PE	2005-06
Tim Citek	2006-07
Mike Dillard	2007-08
Wade Conlan, PE	2008-09
Rich King, PE	2009-

Our chapter is beginning the recruiting process for this program. The local mentorship program has been developed with the objective of creating a professional partnership between a Young Engineer/recent engineering graduate/engineering student and a professional member of this local chapter. This program will provide assistance and resources for the transition from college to the work industry, interview preparation, career path guidance, general HVAC fundamental courses, professional development, and ASHRAE leadership development. Furthermore, it will give our local young members the opportunity to learn more about this local chapter's committees and possibly have future involvement within this chapter.

If you are interested in becoming either a mentor or a mentee, please fill out the survey posted on our website at <http://ashrae-cfl.org/committees/yea/>. Once the survey has been completed, please return it promptly to vicepresident@ashrae-cfl.org.

Golf Tournament Success




Chair:
Firouz



Our Spring Golf Tournament was Friday, April 9th at Sanctuary Ridge. The weather was beautiful and everyone in attendance had a great time!

All proceeds from the golf tournament go towards ASHRAE Research Promotion and this tournament helped us inch closer to our goal! Overall, we raised more than \$6,500 towards Research for our chapter. Thank you Central Florida for your support!

Golf Tournament winners are as follows:

- | | | |
|--|--|---|
| 1st Place: | Don Bailey
Mike Ryan
Dave Peterson
Roland Young | Longest Drive:
Dave Palmer |
|  | | Closest to the Pin:
Brian King |
| 2nd Place: | Cunningham
Sales
Foursome | Closest to the Hole:
Gary Snyder |
|  | | |
| 3rd Place: | Flow Control
Technologies
Foursome | Putting Contest:
Mark Andrews |
|  | | |

Chapter Business

President-Elect:
Jason Alphonso, PE



I urge you to please take a moment and exercise your vote for next year's slate of officers. Your nominating committee has come up with a list of individuals they think will lead this chapter for the years to come. Your vote is an important confirmation of your commitment to your ASHRAE chapter. Please vote here -> [Click Here to Vote](#). The final day to cast your ballot will be May 9, 2010.

The May meeting also brings in a new crop of ASHRAE chapter leaders. The official swearing-in and introduction of the officers will take place at this meeting. We thank our current President, Rich King for a wonderful year of leadership, volunteerism and service. His had led our chapter to be one of the most vibrant chapters in our society. His presidential year will be cherished for the years to come.

Chapter Leadership



- | | | | |
|----------------------------|--|----------------------|---|
| President: | Richard King, PE
(407) 246-1688
rking@peifla.com | UCF Initiative: | Kyle Davis
(407) 321-8100
kyle.davis@harperlimbach.com |
| President Elect, Programs: | Jason Alphonso, PE
(407) 857-3510
jalphonso@msifla.com | Historian: | Tim Citek
(407) 671-3739
tcitek@cfl.rr.com |
| Vice President: | Leo Rocha
(407) 373-0042
lrocha@thermal-techinc.com | Welcome Committee: | John Miller, PE
(407) 246-1688
jmiller@peifla.com |
| Treasurer: | John Miller, PE
(407) 246-1688
jmiller@peifla.com | Research Promotion: | John Miller, PE
(407) 246-1688
jmiller@peifla.com |
| Secretary: | Megan Tosh
(407) 581-6940
mtosh@stanweaver.com | CTTC: | John Davant
(407) 212-1293
john.s.davant@jci.com |
| Past President & Governor: | Wade Conlan, PE
(407) 660-0088
wconlan@x-nth.com | Calling Committee: | Amy Weaver, PE
(407) 661-9100
amyw@c-p.com |
| Governor: | William (Bill) Dillard
(407) 857-3510
bdillard@msifla.com | Honors & Awards: | Firouz Keikavousi
(407) 405-3429
firouzk@gmail.com |
| Governor: | Mike Dillard
(407) 857-3510
mdillard@msifla.com | Dewpoint Editor: | Megan Tosh
(407) 581-6940
mtosh@stanweaver.com |
| Governor: | Michael Sheerin, PE
(407) 841-9050
michael.sheerin@tlc-eng.com | Chapter Website: | Richard King, PE
(407) 246-1688
rking@peifla.com |
| Governor: | Firouz Keikavousi
(407) 405-3429
firouzk@gmail.com | Product Directory: | Tom Edwards
(407) 581-6940
tedwards@stanweaver.com |
| Membership Promotion: | Amy Pastor, PE
(407) 660-0088
apastor@x-nth.com | Golf Chair: | Firouz Keikavousi
(407) 303-1141
firouzk@gmail.com |
| Student Activities: | Anik Patel
(407) 782-7495
anikppatel@gmail.com | Shrimp Boil Chair: | Dan Cross, PE
(407) 701-2384
DACross@rimkus.com |
| YEA Activities: | Leo Rocha
(407) 373-0042
lrocha@thermal-techinc.com | Refrigeration Chair: | Cameron Sherwood
(407) 660-0088
csherwood@x-nth.com |