

The 50th Anniversary 50 YEARS OF EXCELLENCE CENTRAL FLORIDA CHAPTER Dewpoint



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THEME: RESEARCH PROMOTION MONTH

From the Central Florida ASHRAE board of governors and all of our volunteers we sincerely hope that everyone had a safe and enjoyable Thanksgiving! Now that Black Friday is over, and everyone should have experienced a full recovery from any pepper spray attacks from rouge shoppers it is time to have some REAL fun!

This Friday, December 2nd ASHRAE Central Florida will be hosting our second golf tournament of the year! This time it will be DARK, the balls will GLOW and the weather is scheduled to be BEAUTIFUL! Please contact Firouz Keikavousi or me regarding last minute registrations for this tournament. It will definitely be one of the highlights of the fall/winter ASHRAE calendar that should not be missed! A flier is attached in this newsletter for additional information.

I would also like to take a moment to thank our Young Engineers in ASHRAE Chair, Paul Albers, for his work in coordinating our first YEA/Refrigeration activity which took place last month! About 15 friends and members received a personalized tour of Gaylord Palm's ICE Exhibit which was extremely well received. There is an update located in this edition of the Dewpoint with a full recap of the event! Thank you for all of your hard work Paul!

Also included in this edition of the Dewpoint is an update from our Programs Chair, Megan LaHiff, regarding our next ASHRAE Distinguished Lecturer who will be visiting our Chapter in December! Megan has done a wonderful job securing quality and informative speakers and this month will be no exception! I look forward to seeing all of you at Dubsdread's historic ballroom on December 8th!

PRESIDENT'S MESSAGE

John Miller, PE



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www.ashrae-cfl.org

ASHRAE Society Website: www.ashrae.org

Upcoming Events

Night Golf Tournament
December 2, 2011

BIM for Mechanical Disciplines
December 8, 2011
Dennis Knight, PE

Cool Thermal Energy Storage in the
Era of Sustainability
January 12, 2012
William Bahnfleth, PhD, PE

ASHRAE Winter Conference
January 21-25, 2012

Energy Efficient Window and Fenestra-
tion Technologies
February 9, 2012
R. Christopher Mathis

2012 YEA Dodgeball Tournament
February 25, 2012

Central Florida Shrimp Boil
March 8, 2012
Winter Park Farmers Market

Integrated IAQ and Energy Case Stud-
ies in the Tropics
March 2012
Dr. S.C. Sekhar

YEA Technical Tour
Spring 2012

April Technical Meeting
April 5, 2012

Spring Golf Tournament
April, 2012

May Technical Tour
May 10, 2012

Programs

Chair:
Megan LaHiff, PE



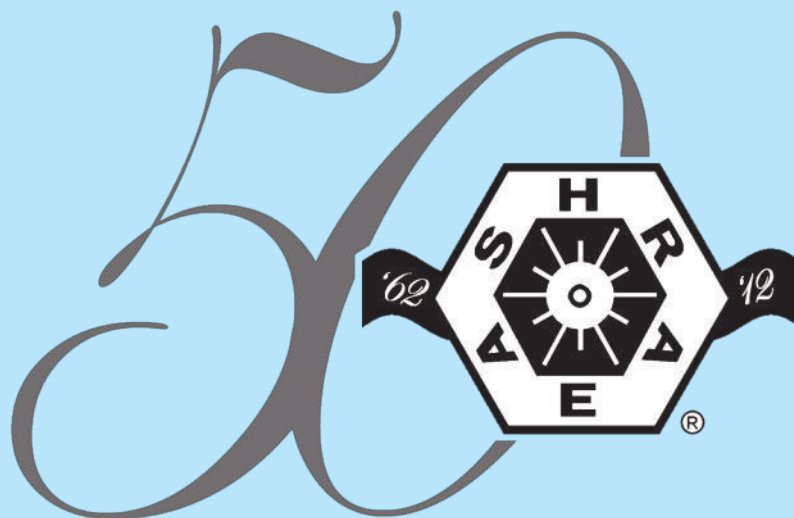
It was great to see everyone at our November meeting for a panel discussion on healthcare design practices!

Attendance was great and lots of questions were answered. A big thank you to our moderator, Todd Moore, and our panelists, Michael Sheerin, Greg Braithwaite, & Mohammad Alai. If you missed the meeting, you also missed out on Research Promotion Donor Recognition and ASHRAE Technology Award winner acknowledgement. Coins, plaques and certificates not received at the meeting will be distributed individually.

This December, our chapter will be hosting Dennis Knight, PE, as he presents *Building Information Modeling for Mechanical Disciplines*. The presentation will focus on the value and uses of BIM for owners, architects, engineers and the community. Mr. Knight will provide a consistent definition of BIM and the information mechanical engineers need to begin adopting BIM as an integrated design tool. If you are working on integrated design projects, or want to be, this presentation is not to be missed!

Also at our December meeting, we will be celebrating our chapter's history! If you regularly read this newsletter and attend the dinner meetings, you've probably been learning some of our chapter history this year already. As this ASHRAE year is the 50th anniversary of our chapter, our president, John Miller, has dedicated his presidential theme to history! The programs committee will be embracing this theme at our December meeting with a special presentation.

See you at the meeting!!



50 YEARS OF EXCELLENCE
CENTRAL FLORIDA CHAPTER

CENTRAL FLORIDA ASHRAE CHAPTER PRESENTS:



BUILDING INFORMATION MODELING FOR MECHANICAL DISCIPLINES

By: M. Dennis Knight, PE, LEED AP

M. Dennis Knight has 35 years of experience providing engineering, design and construction related services within the building industry. Nationally, as a member of ASHRAE, Mr. Knight is the Vice Chairman for Research Promotion and also serves as the Chair of Technical Committee (TC) 7.1 "Integrated Building Design" and serves on the ASHRAE BIM Steering Committee.

As Liollo Architecture's Principal and Director of Practice Management, Mr. Knight utilizes his extensive experience in the design and construction industries to assist the architectural and design professionals, project managers, business development department and corporate management within the firm. Prior to joining Liollo Architecture, Dennis was an owner and managing member of a local engineering and construction company for 23 years. He strives to facilitate the integration of each element and discipline required in a project, with consideration for the life-cycle costs and benefits related to those elements, so that all the pieces and parts of a design work together in concert with each other and their surroundings.

This presentation focuses on the value and uses of BIM to Owners, Architects, Engineers, and the community. It provides a consistent definition of BIM and provides the Mechanical Engineer with the information needed to begin the process of adopting and using BIM as an integrated design tool to optimize mechanical systems design, improve collaboration, minimize coordination errors and deliver better work products and results.

THURSDAY, DECEMBER 8TH

[REGISTER HERE!](#)

SOCIAL HOUR 6PM
PRESENTATION 7PM

\$25 by PayPal or RSVP by Dec 5th

\$30 at the door or after Dec 5th

DUBSDREAD HISTORIC BANQUET HALL
549 PAR STREET, ORLANDO 32804

*Menu includes Prime Rib with
Au Jus & Horseradish Cream Sauce*



Questions? Contact Megan LaHiff at mlahiff@stanweaver.com or 407-581-6940

Chapter does not act for Society

Student Activities

Chair:
Amy Weaver, PE



Our K thru 12 outreach event, Bring an Engineer to School Day took place on Wednesday, November 16th at Frangus Elementary School.



This year's event was once again a huge success with eight ASHRAE members volunteering, two of whom are UCF ASHRAE Students!!!

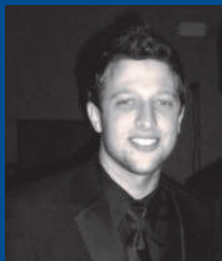
The group spoke with 4th and 5th grade classes. Some speakers discussed engineering as it relates to buildings, while others performed experiments. The experiments included creating an aluminum foil boat, building the tallest building with marshmallows and spaghetti, and building a skyscraper with newspaper. The students attempted the experiments themselves and competed to see whose design was the best, and the winner in each class was awarded a prize.

The students were thrilled to have the volunteers visit their classrooms, and showed their appreciation by sending thank you cards to their speakers.

A huge THANK YOU goes out to ASHRAE Central Florida K-12 Co-Chair Kellie Watson, Megan LaHiff, Alex Ramos, Eric McEwen, Firouz Keikavousi, Andrew Twigg, Isaac Lima, and Gerry Patterson!!!



Young Engineers in ASHRAE (YEA)



Chair:
Paul Albers

This month, eleven of our local ASHRAE members participated in this year's refrigeration tour at the Gaylord Palms Resort and Convention Center. Mr. Reinaldo Jimenez provided us with an up close tour of the resort's energy plant and the special equipment that is used to create their holiday spectacles, "ICE" and SNOW! Mr. Jimenez guided us through the operation he and his team use and discussed some of the challenges involved with keeping a tent with R-6 insulation at single digit temperatures. A 400 ton air cooled chiller pushes 670 GPM of a glycol/water solution through a combination of seven 35,000 CFM air handlers. With the glycol solution pumping through the coils, these air handlers can reach leaving air temperatures of 0°F. To prevent coil freezing, the air handlers are staged on so that, at any given time, two of the seven air handlers are in defrost mode. The result is a display that draws more than 100,000 visitors to the resort each year.

In addition to a behind-the-scenes tour, attendees were given a special bonus— a tour through "ICE"! The group battled the frigid temperatures and was rewarded with a sneak peak of the entire exhibit.

We thank Mr. Jimenez for his time and generosity in hosting a very memorable Refrigeration Tour for ASHRAE Central Florida and wish him well during a busy holiday season for him and his team.



Refrigeration

Chair:
Joseph de Armas



Refrigeration – Something the whole family can enjoy!

For those who design and work with refrigeration systems, after a while they know there typically isn't any real pizzazz about the spaces your system is serving. Don't get me wrong, the systems themselves can be very complex and quite intricate. Depending on the scope of the design, a fully

laid out system can be said to look like a piece modern art. However, the spaces these systems serve, like coolers and freezers for instance, aren't all that exciting. There really isn't anything fun about freezing your tail off in a -25°F freezer staring at a pile of meat or fixing equipment.

Some applications can however be welcoming and even appeal to those outside of our field. A group of YEA members (Young Engineers in ASHRAE) recently had the opportunity to visit one these different applications, the ICE exhibition at the Gaylord Palms. While 20,000 square feet of freezer space @ 9°F doesn't sound appealing to the everyday person, when you add 2 million pounds of hand carved ice sculptures, slides, and snow you would be hard pressed to not find any takers. Most visitors will be completely content taking in the ornate surroundings oblivious the engineering behind the black curtain that makes this winter wonderland in the middle of Florida even possible which is sad. If you decide to visit this attraction with your family take advantage of opportunity to educate them on why what they are looking at is possible.

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. Tristam	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	2009-10
Jason Alphonso, PE	2010-11
John Miller, PE	2011-



Chapter Leadership

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Governor:	Wade Conlan, PE (407) 660-0103 wade.conlan@exp.com	Chapter Website:	John Miller, PE (407) 246-1688 jmiller@peifla.com
Governor:	Firouz Keikavousi (407) 405-3429 firouzkg@gmail.com	Product Directory:	Tom Edwards (407) 581-6940 tedwards@stanweaver.com
Membership Promotion:	Anik Patel (407) 782-7495 anikppatel@gmail.com	Golf Chair:	Firouz Keikavousi (407) 303-1141 firouzkg@gmail.com
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Refrigeration	Joseph de Armas (407) 660-0088 Joseph.deArmas@exp.com		

ASHRAE CENTRAL FLORIDA NIGHT **GLOW BALL** TOURNAMENT!
AT



WHEN: Friday, December 2, 2011
WHERE: **Wekiva Golf Club**
4100 Wekiva Club Court
Longwood, FL 32779

ENTRY FEE: \$ 50.00 Per Golfer

ENTRY FEE INCLUDES: Green Fee with Cart, Dinner, Open Driving Range, Two (2) Drink Tickets
Two (2) Glow Balls, Awards & Prizes. Additional balls may be purchased for \$5 ea.

SPONSOR PACAKGES: ASHRAE RP Title Sponsor: \$1,000
Glow Ball Sponsor: \$400
Food Sponsor: \$400
Drink Sponsor: \$400
Awards Sponsor: \$400

TIME: 5:30 P.M. Registration @ Wekiva Golf Club
6:30 P.M. Shotgun Start

FORMAT
Shotgun Start
Four Person Scramble

DRESS CODE
Shirts must have collars, **NO JEANS**
Shorts to be no shorter than 4" above knee, but seriously,
who will honestly be in shorts?
Soft spikes only.

ENTRY FORM – ASHRAE NIGHT GLOW BALL TOURNAMENT
RSVP by November 25, 2011

TEAM SPONSOR: _____

GOLFERS: 1. _____ 2. _____

3. _____ 4. _____

GOLF _____ @ \$50.00 Each \$ _____

SPONSOR PACKAGE _____ \$ _____

BRINGING DOOR PRIZES YES _____ NO _____

MAKE CHECKS PAYABLE TO: "CENTRAL FLORIDA CHAPTER OF ASHRAE"
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