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50 YEARS OF EXCELLENCE  
CENTRAL FLORIDA CHAPTER

# The

# Dewpoint

Costa Rica, site of 2011 Region XII CRC

## SOCIETY PRESIDENTIAL THEME: SUSTAINING ASHRAE THROUGH LEADERSHIP

Welcome to the 2011-2012 ASHRAE Central Florida year! As promised at the May meeting—ASHRAE *and* football have returned! After doubling the salaries of the locked-out chapter volunteers and board members we have an exciting year in store for all of our members and friends! In addition to having a full-slate of volunteers ready to go

for the coming year we are also proud to celebrate a very strong showing by our students at the University of Central Florida where the HVAC System Design team placed third in the ASHRAE Student Design Competition, and the HVAC System Selection Team achieved the “Rising Star” Award for their work on this year’s projects!

This year my presidential theme is “*Embracing the past, looking to the future and celebrating the first 50 years of ASHRAE Central Florida*”. Before the end of this ASHRAE Year, our chapter will be celebrating its 50<sup>th</sup> anniversary in Central Florida and we will be taking time to look back upon each of the first five decades to reminisce on how our chapter became what it is today. In addition, we will look forward toward the next 50 years of our Chapter; developing our vision of where the chapter will be and what impact it will have on our community and industry in the future. Will our impact be in the creation of a new research laboratory at the University of Central Florida through our ASHRAE UCF Initiative? Will our members continue to be the leaders in sustainable design practices and will our chapter play a pivotal role in the development of those professionals? Is there another area in which our influence will be felt? I sincerely believe that our impact will be felt in all of the above, and it is our responsibility as members of the world’s leader in the advancement of the art of HVAC design to continue to use the resources we are provided to serve the Central Florida area, the State of Florida and anywhere else our responsibilities take us.

Please join us this September when we welcome ASHRAE society president Ronald Jarnagin to Central Florida and continue to *Embrace the past, look to the future and celebrate the 50<sup>th</sup> anniversary of ASHRAE Central Florida*. . .

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[www.ashrae-cfl.org](http://www.ashrae-cfl.org)

ASHRAE Society Website: [www.ashrae.org](http://www.ashrae.org)

Chapter does not act for Society

## PRESIDENT’S MESSAGE

John Miller , PE



# Upcoming Events

**Sustaining ASHRAE Through Leadership**  
September 8, 2011  
Ron Jarnagin, Society President

**Fall Golf Tournament**  
September 30, 2011  
Forest Lake Golf Club

**October Technical Meeting**  
October 13, 2011  
Kent Hobart, OUC

**Panel Discussion: Changes to Florida's Healthcare Code**  
November 10, 2011

**YEA / Refrigeration Tour**  
November 2011

**BIM for Mechanical Disciplines**  
December 8, 2011

**Night Golf Tournament**  
December, 2011

**January Technical Meeting**  
January 12, 2012

**ASHRAE Winter Conference**  
January 21-25, 2012

**February Technical Meeting**  
February 9, 2012

**2012 YEA Dodgeball Tournament**  
February 25, 2012

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

**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 Tosh, PE



Welcome back, ASHRAE Central Florida!

After an excellent year with much success, I'm happy to be back & excited to be your Programs Chair. Let's get this year started off right, shall we?

As I hope you've heard, our first meeting of the year is scheduled for Thursday, September 8<sup>th</sup> at the usual time and place. Our speaker is Society President Ron Jarnagin presenting his theme for this year, *Sustaining ASHRAE Through Leadership*. I've had the privilege of hearing the presidential messages from ASHRAE Society Presidents for several years in a row now and I can assure you that Ron's presentation is not your typical presidential message. Ron's theme is very focused on our membership – but I won't spoil it for you. Come out and see for yourself!

When you register online for the meeting ([www.ashrae-cfl.org](http://www.ashrae-cfl.org)) you'll see PayPal links for ASHRAE Season Tickets on the page too. As always, we are offering all eight meetings this year for the price of seven. You also have the option of paying for the Shrimp Boil with your Season Ticket this year. If you have any questions about the Season Tickets, please don't hesitate to contact me ([mtosh@stanweaver.com](mailto:mtosh@stanweaver.com)). It's a great way to save on dinner meeting costs for companies that regularly have engineers attending!

Also during our September meeting we'll be recognizing the achievements of some of our outstanding chapter members. We have Design Competition winners (Go Knights!!), a scholarship recipient, Technology Award winners and some of the Best Chapter Chairs in Region XII right here in Central Florida. There is certainly a lot to celebrate!  
I look forward to seeing you all at our September meeting!

# Fall Golf Tournament

Chair:  
Firouz Keikavousi, Retired



Hi everybody, the good time is here again! The fall golf tournament will be at Forest Lake Golf Club, hurry up and register your 4-some and hole sponsors. Please call me or Megan as soon as you can, don't miss this!

Firouz  
Your golf chair



The Florida West Coast Chapter put on a great CRC 2011. The location was the beautiful country of Costa Rica, which translates as “rich coast”. Costa Rica boasts of rich biodiversity and is touted to be the “greenest (as in sustainability) country in the world”. While it was lot of really good fun, your chapter officers were also there to conduct the business of ASHRAE...

Regional nominating member and chapter governor, Wade Conlan led the region in the all important regional caucus. John Miller (Chapter President) and Megan Tosh (Chapter President-Elect) were our representatives at the table during the business session. Regional officers Rich King, Jason Alphonso, Wade Conlan and Megan Tosh were also present offering insight and perspective. It is CRC events like these that reinforce the fact that ASHRAE is truly a grassroots organization, with YOU, our dear chapter members at the very top. The other chapter officers and chairs in attendance were Anik Patel, Nate Boyd, Malia Powers, Amy Weaver and John Davant. They all attended the chair training workshops. These workshops are designed to assist them in their roles to better serve YOU.

The chapter and its members also received a few awards this CRC:

Chapter Service Awards – Larry Stoff (Sr.), Rich King, Todd Moore and Jason Alphonso

Regional Award of Merit - Todd Moore and Jason Alphonso

PAOE – Gold Ribbon (chapter history), Star Award, Special Citation and High Honor Roll: highest PAOE, first to PAR in all categories.

Best Chapter Website

Best Chapter History - Donia Bessa (Chair)

Best YEA Chapter Activities – Leo Rocha (Chair)

Best Student Activities – Nate Boyd (Chair)

Best Research Promotion – Ian Lahiff (Chair)

The chapter also submitted 10 regional technology awards. The results of that competition are forthcoming.

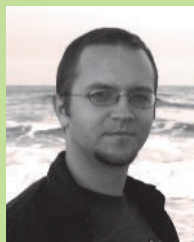
And, finally for the sixth year in a row the chapter received the **Best Chapter in Region XII**

While the CRC awards are important and are reflective of a strong chapter, the chapter excelled in more ways that those outlined above. ASHRAE Society President Lynn Bellenger through personal correspondence and during her chapter visit described our chapter as a “powerhouse.” She also noted that **“the sense of activity and enthusiasm exceeded that of any other chapter she visited in her presidential year.”** We would like to whole heartedly congratulate all the winning chapters in our region. On the home front, kudos to a fantastic group of chapter volunteers and members.



## Central Florida Energy Efficiency Alliance Update

Representative:  
Nate Boyd



As some of you know, our Central Florida chapter of ASHRAE is one of the founding partner organizations in CFEEA, and it is my honor to represent both ASHRAE and the City of Orlando at the CFEEA at-large monthly meetings. Look to this corner of the Dewpoint for updates on upcoming events and other CFEEA related topics.

The next CFEEA event is part of their brown bag luncheon series. The event will be held on August 30th, and will introduce Florida’s Waterstar program for commercial and industrial operations. The luncheon will be held in Orlando at 1900 Summit Towers Blvd, suite 720, in the training room. Free parking is available on the 4th level only. Join us while Deirdre Irwin, the Florida Water Star Coordinator with the St. Johns River Water Management District explains the ins and outs of the Florida Commercial and Industrial Programs. This brown bag luncheon is free, please bring your lunch in a reusable container. There is also a Nature’s Table located on the 1st floor.



As your YEA Chair for Central Florida ASHRAE, I welcome you to a new and exciting year. For 2011-2012, the chapter has scheduled a number of events including a refrigeration tour, tech topic sessions, and our 3rd Annual YEA Dodgeball Tournament!

In November, we will have an industry tour of a local facility, (exact date and time TBA). All of our members are welcome to attend the tour and social that follows. Past tours have proven to be great opportunities for members to see large scale refrigeration systems in operation.

Tech topic sessions give YEA members an additional look at the main speaker's topic and an opportunity to meet students and young professionals from our chapter.

The 3<sup>rd</sup> Annual YEA Dodgeball Tournament will be held in the spring of 2012. Last year's tournament was highly competitive and this year's event should be even more so. Don't miss your chance to be a part of the excitement as we continue to improve the Dodgeball tradition!

Similar to previous years, our mentorship program will continue. This program creates an opportunity for professional partnership between a YEA member (young engineer, recent graduate, or student) and a professional member from our chapter. The experienced professional provides assistance and resources for the young member's transition from college to the work industry (such as interview preparation, career path guidance, and professional development). This year, we are looking to form five groups (each group consists of one mentor and one mentee). Every member of this chapter can participate in this program. If you are interested in becoming a mentor or mentee, please send an email to palbers@peifla.com.

## Student Activities

Chair:  
Amy Weaver, PE



Happy New Year! Happy ASHRAE New Year, that is!

Last year Central Florida Student Activities ended strong with two UCF Senior Design Teams submitting projects for the ASHAE Student Design Competitions. Recently they were notified that both teams had been recognized for their submissions! Congratulations to the student teams!!!

HVAC System Design, Third Place - Matthew Basnight, Burns Bradford, Orion Dominguez, Daniel Kroencke, Dustin Yoder

HVAC System Selection, Rising Star - John Foley, Richard Villanueva, Kenrick Barnes, Nate Taulman

A huge **THANK YOU** for all of your help this past year goes out to Marcel Ilie the UCF Faculty Advisor, Nate Boyd the UCF Senior Design Competition Coordinator, and Megan Tosh, Ian LaHiff, John Miller, Kellie Watson, Andrew Twigg, Michael Angell and Anik Patel who volunteered as Mentors!

Our chapter recently received more great news... one of our students was granted an ASHRAE Scholarship! Congratulations to Rhone Jardis, a Devry University student who was awarded the Bachelor Engineering Technology Scholarship in the amount of \$3,000 for the 2011-2012 academic year!!! Rhone will be presented a certificate for his achievement at our September chapter meeting with ASHRAE President Ron Jarnagin in attendance.

This year we have a phenomenal Student Activities Team lined up:

Kellie Watson is returning as K-12 Co-Chair

Burns Bradford, former UCF Student Branch President, is stepping up as UCF Co-Chair

Nate Boyd is returning as UCF Senior Design Competition Coordinator

We are looking forward to many exciting Student Activities this year! Keep an eye out for our requests for volunteers in the upcoming months. If you have any ideas on how to promote Engineering to children and young adults or would like to volunteer, please let someone on the Student Activities team know.

# History: TLC Engineering for Architecture

Chair:  
Donia Bessa



TLC Engineering for Architecture, as we know it today, began in 1955, when Earl Wolpert opened a small, one-man, structural engineering office in a garage apartment (no A/C back in those days!). With the new State of Florida requirement for professional registration, John Tilden, P.E., joined Earl as a structural engineer and established *Wolpert, Tilden, & Associates*. In 1957 Bill Denson, P.E., Mechanical Engineer, joined the firm, developed the mechanical/ electrical design practice, and soon became a partner. The name changed to *Wolpert, Tilden, Denson, & Associates*.

In 1967, Ed Lobnitz, P.E., joined the firm as the only registered electrical engineer and became the electrical department head with a staff of two! (Ed came with his BSEE from UF and 12 years experience working his way up from a runner, draftsman, and co-op student.). In December of 1968, *Tilden, Denson, & Associates* changed from a partnership to a corporation with annual revenue of \$150,000, a staff of 10, Ed Lobnitz as CEO/Principal, and operated in an old house on Highland Avenue.

In 1973, the company name changed to *Tilden, Denson & Lobnitz, Inc. (TDL)*, and the office relocated to Gore Street. J. Travis Cooper, P.E., joined the firm as a Mechanical Engineer in 1976, (Travis had 20 years experience and an AS degree from Southern Tech in Georgia.). Then in 1977, TDL moved into a new building on Highland Avenue with 35 employees supporting almost all of the architects in Orlando, and Travis became a Principal in the firm.

In 1980 an office in Cleveland, Ohio was added for its structural capability (this office separated in May, 1995) and Bill Denson left the firm. In 1981, the company name was changed to *Tilden, Lobnitz, & Cooper, Inc.* The company continued to grow and in 1984, TLC, as almost everyone now called the company, moved into the new 1717 South Orange Avenue building with 70 employees. In 1986 the Fort Meyers office opened, and in 1987 the Tallahassee branch office was opened. In 1992, John Tilden retired.

In 1994, Gardner Griffith & Associates merged with TLC and became the Cocoa branch office. The Fort Lauderdale office opened in 1996, and in 1997, the Tampa branch office opened. In 1998, the Jacksonville branch office was opened and TLC acquired Evans & Hammond. The company name was changed to *Tilden Lobnitz Cooper, Inc.*

In 2001, Travis Cooper retired, but growth continued with the opening of the Coral Gables office. The Nashville, Tennessee office opened in late 2003, and TLC acquired Quantum Engineering of Nashville and merged it with the Nashville office. In 2004 Debra Lupton, AIA, was named CEO, and John Benz remained as Chairman of the Board. That same year the Coral Gables office moved to Miami. In 2005 the Ft. Lauderdale office moved to Deerfield Beach. Ed Lobnitz retired that same year, but has remained active as a consultant until the present day on a per-project basis. In April of 2005, the company name was changed to *TLC Engineering for Architecture, Inc.*

Then in the fall of 2006, the TLC Corporate Headquarters relocated to its current Downtown Orlando location at 255 South Orange Avenue. By this time, TLC had grown to over 400 employees, company-wide.

In early 2007, the Jacksonville Office moved into a new office which had achieved the USGBC Silver LEED for Commercial Interiors, the first LEED-CI in the state of Florida. Later that year, the TLC Board of Directors approved a series of policies aimed at making TLC carbon-neutral, including the purchase of renewable energy credits, and TLC launched the Green Guides, Sustainability for Architecture. In early 2008, TLC purchased Piazza Engineering, Inc., which then became TLC Dallas, LLC, its 10th regional office. Bud Gardner and Dave Griffith retired in April of 2009 and Brett McKinstry assumed the role of COO. Later that year the TLC Nashville office achieved USGBC LEED Certified for Commercial Interiors becoming only the second LEED-CI in Tennessee. In November, 2009, the TLC Dallas office achieved USGBC LEED Gold for Commercial Interiors.

## 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. 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-

Chair:  
Anik Patel



## Membership Promotion

I'm very excited that I will be serving our chapter this year as Membership Promotion Chair, a position that has been dominated over the past several years by both Amy Weaver and Amy Pastor. I recently attended training for the position in Costa Rica and look forward to the upcoming year.

Currently, I'm focused on recruiting buyers for our ASHRAE Dinner Meeting Season Ticket. This is a great deal - simply by paying in advance, you receive admission to all 8 meetings for the price 7. You don't have to worry about pre-registering week to week. And, if you are unable to attend the meeting for any reason, your ticket can be transferred to another person. Tickets can be purchased by contacting any of the board members or logging on to our website at [www.ashrae-cfl.org](http://www.ashrae-cfl.org)



## Chapter Leadership

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## Government Affairs

Chair:  
Tracey Whaley, PE



### Update – USGBC Lawsuit Dismissed

Back in December we wrote about the class-action lawsuit filed by Henry Gifford claiming that the USGBC practiced false advertising when it claims that homes with the LEED Certification have energy bills up to 50 percent lower. The case was dismissed by the Federal Court “with prejudice” which means that the suit can’t be filed again based on the false advertising claims. The lawsuit was filed in the federal court as well as the New York State Court. The Federal Court ruling also dismissed the state court case, as well. In other news....

### Washington Engineering Program Interns Deliver Presentations on Capitol Hill

Participants in the 2011 Washington Internship for Students of Engineering (WISE) program recently delivered presentations on Capitol Hill on a wide range of engineering issues. ASHRAE’s 2011 WISE intern, Minjoo Lee of Bucknell University, wrote a paper and resented on barriers and opportunities regarding the adoption, enforcement, and compliance with energy standards and codes. Minjoo’s presentation and paper is posted on ASHRAE’s Website at <http://www.ashrae.org/advocacy/>. The paper is a PDF document that you can download.