

## ASHRAE Central Florida is back!

During the 2006-2007 year, ASHRAE Central Florida saw many new successes and further growth of past programs. Our Student Activities Committee was heavily involved with local outreach events such as Discover!, an event designed to introduce engineering and science to the Girl Scouts Citrus Council. The Committee also mentored the Student System Design and System Selection teams from the University of Central Florida. Scholarships for undergraduate engineering students were coordinated and these students were also invited for an ASHRAE-related summer internship or part-time job. Our Research Promotion Committee raised over \$30,000.00 during the 2006-2007 year, surpassing goals from previous years. Because of these and many more achievements from our members, ASHRAE Central Florida received the Award for Best Chapter in Region XII for the second straight year! This award was received during the Chapter Regional Conference that was held on August 16<sup>th</sup>-18<sup>th</sup> at Cape Canaveral, FL.

The first meeting of the 2007-2008 year will take place at 6:00p.m. on Thursday, September 13<sup>th</sup> at the Dubsdread Historic Banquet Hall. This is a powerful opportunity to meet fellow HVAC&R professionals from Central Florida. Registration and location for this meeting is available through our Chapter website, [www.ashrae-cfl.org](http://www.ashrae-cfl.org), where Paypal is available for those who wish to RSVP online. Registration for the entire 2007-2008 year can also be done through our website, where our members will receive a \$25.00 discount.

The 2007 Fall Golf Classic will be held at Sanctuary Ridge Golf Club (formerly the Diamond Players Club located at 2601 Diamond Players Club Drive Clermont, FL 34711), on Friday, October 5th, 2007. For more information, please contact Firouz Keikavousi @ (407) 303-1141 or [firouzkeikavousi@flhosp.org](mailto:firouzkeikavousi@flhosp.org); RSVP by September 15<sup>th</sup>, 2007. The organization prefers registering for the Classic as early as possible.

ASHRAE Central Florida is celebrating its 45<sup>th</sup> Anniversary and wishes to continue with strong member involvement, so be sure to come out to our events! Our monthly chapter meetings are held the second Thursday of each month. If you have a suggestion for topics to present during the monthly meetings, please contact Wesley Patterson, our Programs Chair, at [Lawrence.w.Patterson@jci.com](mailto:Lawrence.w.Patterson@jci.com). Below is a schedule for the upcoming meetings, so mark your calendars:

### Programs

- September Meeting
  - Research Promotion Update
  - Joint meeting with IEEE
  - Topic: HVAC Energy Cost Reduction
  - Presenter: James Kiriazes, CEM, P.E.
  - Date: Thursday, September 13<sup>th</sup> 2007
  - Time: 6:00p.m. – 9:00p.m.
  - Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL

- October Meeting  
 Student Activities Night  
 Topic: City of Orlando Mechanical Code Update  
 Presenter: Donny Pittman – City of Orlando  
 Date: Thursday, October 11<sup>th</sup> 2007  
 Time: 6:00p.m. – 9:00p.m.  
 Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL
- November Meeting  
 UCF Initiative Night  
 Topic: Global Refrigerant Trend with focus on HCFC22 and HCFC123 Phaseout  
 Presenter: Tony Digmanese  
 Date: Thursday, November 8<sup>th</sup> 2007  
 Time: 6:00p.m. – 9:00p.m.  
 Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL
- December Meeting  
 Past Presidents Night & Chapter History Night, We're 45 years old!  
 Topic: Distinguished Lecturer  
 Presenter: Distinguished Lecturer  
 Date: Thursday, December 13<sup>th</sup> 2007  
 Time: 6:00p.m. – 9:00p.m.  
 Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL
- January Meeting  
 Topic: LEED from an Owners Perspective  
 Presenter: Doug Spencer, V.P., Orlando Utilities Commission  
 Date: Thursday, January 10<sup>th</sup> 2007  
 Time: 6:00p.m. – 9:00p.m.  
 Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL
- February Meeting  
 Student Activities Night  
 Topic: UFADS – Under Floor Air Distribution Systems  
 Presenter: Gary Smith  
 Date: Thursday, February 7<sup>th</sup> 2007  
 Time: 6:00 p.m. – 9:00p.m.  
 Location: Central Florida Fair Grounds
- March Meeting  
 Topic: 6<sup>th</sup> Annual Shrimp Boil  
 Presenter: No presenter  
 Date: Thursday, March 13<sup>th</sup> 2007  
 Time: 6:00p.m. – 9:00p.m.

Location: Winter Park Farmer's Market, 200 W. New England Ave. Winter Park, FL

- April Meeting  
Topic: What's New in Energy Savings  
Presenter: Larry Maxwell, Florida Solar Energy Center  
Date: Thursday, April 10<sup>th</sup> 2007  
Time: 6:00p.m. – 9:00p.m.  
Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando, FL
- May Meeting  
Installment of New Chapter Officers  
Topic: TBD  
Presenter: TBD  
Date: Thursday, May 8<sup>th</sup> 2007  
Time: 6:00p.m. – 9:00p.m.

Location: Dubsdread Historic Banquet Hall, 549 W. Par St. Orlando

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## President's Message

Hello Folks!

The beginning of ASHRAE 2007-2008 is just around the corner! On September 13, we'll kick off the season with James Kiriazes, CEM, PE, who will deliver a program on HVAC Energy Cost Reduction. Please go to <http://ashrae-cfl.org/Next%20Meeting.htm> to register early. We look forward to seeing you there!

Now for an update on some key developments in our chapter. First, I want to congratulate Tim Citek, immediate Past President, for his OUSTANDING leadership during the last year. Once again at CRC, our chapter was recognized as Best in the Region! Our chapter excelled in several key areas and Tim received the recognition on behalf of the chapter during the Presidential Awards Luncheon in Cocoa Beach. While we had outstanding results in many key areas, two stand out as models for the future; Research Promotion and Student Activities.

Firouz Keikavousi and John Miller lead the effort that resulted in over \$33,000 in RP! Key results came from the contributions of our members (thank you!) and through our golf tournaments, which were coordinated by Doug Smith and the golf committee. Doug has lead this effort for several years now and his dedication is very much appreciated! Thank you for your support and PLEASE...keep those RP dollars coming!

Jason Alphonso really set the bar for Student Activities. One of our key goals over the last few years has been to develop interest in HVAC engineering right here at our own University of Central Florida. This effort is gaining significant leverage! Through the efforts of Jason, Leonardo Rocha, Megan Tosh, key chapter members and some very talented UCF students, an HVAC curriculum at the university is going to become a reality! To make sure we keep the momentum, we've created a new chair

called UCF Initiative, which will focus on communications between current and future ASHRAE CFL boards and UCF's faculty. We're excited to announce Megan Tosh is taking the reigns as Student Activities Chair. These are two of the most important positions in our chapter moving forward and we look forward to your support of their efforts.

Finally, as we start the season, I want to present our theme for the year. As you know, our Society President, Kent Peterson's theme is "Greater Efficiency Today, Blue Skies Tomorrow." His vision is to bring industry disciplines together with a common goal for a sustainable future. We can only achieve that by reaching out...to our colleagues, our clients, our industry partners and talking about sustainability. So this year we as a chapter are going to REACH OUT...and we challenge you to do the same individually. Invite clients and colleagues to the ASHRAE meetings. Sponsor students. Encourage participation. It's your chapter and we welcome your energy and talents! For a complete look at upcoming events this season, see the events calendar on our web site at [http://ashrae-cfl.org/upcoming\\_meetings.htm](http://ashrae-cfl.org/upcoming_meetings.htm) . We're going to have a GREAT year!

Let's roll!

Mike Dillard  
Vice President

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## **Student Activities Committee**

As Central Florida ASHRAE Student Activities Committee Chair, I'd like to introduce myself and give you a peek at what Student Activities has planned for the year. Last year, I co-chaired the Student Activities committee with Jason Alphonso, Leonardo Rocha and Ben Walton. This year, I will be working alongside Jason Alphonso as he chairs the UCF ASHRAE Initiative in conjunction with Student Activities. Our combined efforts will lead Central Florida ASHRAE to become a stronger presence on the University of Central Florida (UCF) campus and in our ASHRAE community.

The most important focus of Student Activities in the 2007-2008 year will be encouraging the growth of our local student branch at UCF. Newly reinstated at the University level, the student branch has achieved full club status within the University's College of Engineering and Computer Science and is recognized as a branch of a local professional society. With the red tape out of the way, the student branch will have the opportunity to become more involved with the University, the local ASHRAE chapter and the Central Florida community. It is the goal of Student Activities to promote this involvement and consequent growth of the student branch by facilitating the student officers in coordinating activities, providing chapter support for their efforts, and spreading the theme of sustainability onto the University campus.

In addition to growing the student branch, Student Activities will be promoting two ASHRAE Student Design Competition entries for the annual competition. We will be supporting the design teams with the help of two teams of three mentors drawn from our chapter membership. It is our hope to continue the success we've had in the previous two years and see a first place finish at the society level!

Student Activities also hopes to increase involvement in K-12 engineering and sciences within the Central Florida community. We intend to continue our involvement in activities such as Discover! Girl Scout Engineering Outreach and the Seminole County Science Fair in addition to becoming more involved with National Engineering Week and high school level math, science and engineering extracurriculars. These local programs provide Central Florida ASHRAE with the opportunity to not only become involved in our community but also work with the local student branch to encourage sciences among future engineers. As Student Activities Committee Chair, I would like to thank the local chapter and all its members for your continued support of our involvement with the University of Central Florida and our local community. With your help, we hope to see another successful year for the Central Florida ASHRAE chapter!

Megan Tosh  
Student Activities Chair  
2007-2008

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## **UCF-Initiative Committee**

The Central Florida Chapter has established the ASHRAE-UCF Initiative with five goals in mind. First, to increase the overall presence of ASHRAE on the UCF main campus by posting banners, hosting hospitality suites, and by having CFC members attend the student meetings. Second, is to develop an infrastructure for teaching HVAC courses in the Mechanical Engineering Department and to conduct HVAC research at the University of Central Florida; for ASHRAE CFC businesses to contribute in populating the ASHRAE Lab at UCF with equipment. The goal of implementing an HVAC curriculum is to teach four main courses with two electives courses that will cover the areas of system selection and operation, design, and construction along with the required courses offered by the Mechanical Engineering Department at UCF to obtain a B.S. degree in Mechanical Engineering, HVAC track. Currently, Dr. Ahmad Sleiti, an Adjunct to the MMAE Department, is developing a curriculum to present to the MMAE Department and the Curriculum Review Committee.

Research and funding is vital for the ASHRAE-UCF Initiative. We are seeking an official ASHRAE-CFC sponsor for the student laboratory at UCF once space for the lab comes available; more information on this subject is soon to come. Outreach events will include the continued presence of ASHRAE-CFC on the MMAE Industrial Advisory Committee; developing an internship-scholarship program that provides ASHRAE-UCF interns with scholarship money from our endowment with the Mechanical, Materials, and

Aerospace Department; involving ASHRAE-UCF Initiative members in community programs designed at bringing about positive changes in our local community. The ASHRAE-UCF Initiative will have the overall goal of producing a high caliber of mechanical engineering graduates that will be well prepared to enter the HVAC industry. This is a 1-3-5 year plan, and it has already been heard by the ASHRAE President, Kent Petersen, at the SA workshop and regional awards luncheon during the CRC meeting in Cape Canaveral, FL. This movement toward making UCF one of the top HVAC schools in the country will be lead by the ASHRAE-UCF Initiative Chair, Jason Alphonso.

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## Research Promotion Committee

During the 2006-2007 year, Research Promotion Chair Firouz Keikavousi, along with Co-Chair John Miller achieved the goal of reaching \$30,000.00 in donations for the promotion of ASHRAE research.

Below are our members and friends who graciously donated at or above the honor roll level last year to ASHRAE Research. Their continued support enables ASHRAE to lead the way in research in sustainability, energy conservation and many other areas of HVAC&R design and engineering. In addition, the generous donations received from our friends and members will go towards the maintenance and development of all of the ASHRAE publications and tools we use every day in our trade. Please review the names below and take a moment to thank the ones who contributed last year, because they are the ones that keep ASHRAE and research in our industry going.

Firouz Keikavousi  
Research Promotion Chair  
2006-2007

### Donor Recognition List – ASHRAE Central Florida Chapter

George Israel	Matern Professional Engineering
MSI	Ring Power
Thermacor/Thermal Equipment	Air Balance Consultants Inc.
Exausto Central Florida	Innovative Support Systems
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