

Florida West Coast Chapter  
 ASHRAE  
 3203 Queen Palm Drive  
 Tampa, Florida 33619

# Keeping it Cool with ASHRAE



## From the Desk of the President

Happy New Year! Well, here we are another year has gone by and do you know what that means? That's correct!! The Board of Governors has survived the 1<sup>st</sup> six months of my reign of terror. Seriously, I am proud of what they have all accomplished so far and I look forward for us all to finish the second half of the ASHRAE calendar year strong.

Let me personally thank all of you that participated in our first 'Toys for Tots' campaign. It was great to pull up at the drop off location and barely be able to see out of the windshield. What a great example of the professional community leadership we have by giving back to those who need our assistance.

Our January meeting will be very exciting as it will be a joint meeting with ASHRAE, USGBC and AIA. The topic will be Sustainability in Healthcare and we will have speakers from the owner level to the engineering level. Please see the enclosed flyer for more information. If you have a question that you would like to see incorporated into this program, please email them to Philippe Jean @ [pjean@stanweaver.com](mailto:pjean@stanweaver.com).

There will be no monthly meeting in February as we will be holding our Annual Golf Tournament on February 22<sup>nd</sup>, 2013.

Also, the week of February 17<sup>th</sup> - 23<sup>rd</sup> is National Engineering Week. As always, a local banquet will be held on February 22, 2013 at the A La Carte Event Pavilion.

**Jason Proctor, FWC President (2012-2013)**

## In Memory: Mel Franzel

The Sarasota-Bradenton section lost one of its most prestigious members in the last few months, Mel Franzel. Mel had been a serving member of the Board Of Governors since the beginning and was the also the section Historian. Mel was an ASHRAE member for 63 years and was a Life Member. He was married to his wife Joan for 62 years and had two children, Karen and David.

He was graduated from Washington University, St Louis in 1946, and started his career in sales management at Chrysler Airtemp and the Trane Company. Mel Franzel was one of the founding fathers the group called Sarasota Area Engineers which began in the 1990's.

Monthly meetings were held in various locations and the Sarasota Main Library. Field trips were made to various mechanical facilities in and around Sarasota. With Mel's help the group became the Sarasota Bradenton Section of the West Coast Chapter of ASHRAE.

In 1971, Mel began his second career as founder and president of Midwest Environmental Sales Company, working out of Chicago. Midwest Environmental was the manufacturers representative for Roberts Gordon Gas Fired Infrared Systems, and for DesChamps, Powermatic, and several other major Manufacturers. In 1991, thinking of retirement, Mel moved to Sarasota. Roberts Gordon caught up with him and convinced him to represent them in the Southeast. So Mel started his third career at Environments International Corp.

Mel will be missed by all who knew him!



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# SUSTAINABILITY IN HEALTHCARE

January 15, 2012

The Academy of Architecture for Health's AIA Tampa Bay Chapter and USGBC will be partnering with the Florida West Coast Chapter of ASHRAE in a panel discussion to examine a sustainable and practical journey to net zero. What is the 2030 challenge and how does it pertain to hospitals? How do we achieve the 2030 challenge in the healthcare industry? Healthcare reform, among other factors, has impacted hospitals' needs including facility designs that reduce costs while increasing reliability. Join our panel of distinguished speakers in a comprehensive discussion on sustainability in the healthcare industry that highlights the sustainability process—design, construction, commissioning, maintenance, and recommissioning. Please send a question for the panel with your RSVP; questions submitted by you will add value to our discussion.

**Panelists:** *Sean Williams*, LEED BD+C—OT+9design, *Laura Guinan*—AIA, St. Joseph's Owners Rep, *Michael P. Sheerin*, P.E., LEED AP BD+C—TLC Engineering for Architecture, & *Joshua M. Bomstein*, LEED AP—Creative Contractors Inc.

Please RSVP on the FWC website at: [http://www.ashrae-fwc.org/chapter\\_meetings.htm](http://www.ashrae-fwc.org/chapter_meetings.htm)  
 Cost: \$35 thru PayPal before the 15<sup>th</sup> or \$40 the day of event (even if RSVP'd but did not pay)  
 Email any questions and/or RSVP to [pjean@stanweaver.com](mailto:pjean@stanweaver.com) or call (813) 879-0383.



**Meeting Schedule**

- Registration: 5:00 PM – 6:00 PM
- Tech Topic: 5:30 PM – 5:50 PM
  - ASHRAE 189.3
- Main Meeting: 6:00 PM – 8:00 PM

Columbia Restaurant  
 2117 East 7<sup>th</sup> Avenue  
 Ybor City, Florida 33605



A Joint Program Presented by:



## Research Promotion

I hope you had a great holiday season, and I wish you all a happy and prosperous 2013.

I'd like to thank everyone that has contributed to ASHRAE research so far this year. ASHRAE challenged each chapter to reach 30% of our annual goal by December 31<sup>st</sup>, and I'm pleased to report that the Florida West Coast Chapter ended the year at 57% of goal! The first half of the 2012-2013 ASHRAE year also saw the establishment of two \$2500 endowments, and our RP Clay Shoot was a resounding success with \$5100 going to RP which is by far the most money ever raised during the event.

Your RP committee is also working on an RP Fishing Trip slated for this spring, so please keep an eye out for more information in the coming months. It is my hope to reach our goal by offering our members an opportunity to enjoy events such as these, thus alleviating the reliance on our calling committees to reach out to our membership and ask for donations... wouldn't you rather have some fun for your money? Naturally, this will only work if our members participate in the events, and sponsors continue to step up to the plate to support our chapter.

One particularly useful result of our RP contributions can be obtained at no charge at <https://www.ashrae.org/standards-research-technology/advanced-energy-design-guides>. To promote building energy efficiency, ASHRAE and its partners are making the Advanced Energy Design Guides for 50% Savings available for free download (PDF). The 50% Guides offer designers and contractors the tools needed for achieving a 50% energy savings compared to buildings that meet the minimum requirements of Standard 90.1-2004. The 30% Guides offer a 30% energy savings compared to buildings that meet the minimum energy requirements of Standard 90.1-1999.

Additionally, I'm pleased to report that our region has been awarded a research grant; FIU was successful in obtaining funding for the following research project:

- **1535RP**, "A Heat Transfer and Friction Factor Correlation for Low Air-side Reynolds Number Applications of Compact Heat Exchangers;" Responsible Committee: **TC 8.4** (Air-to-Refrigerant Heat Transfer Equipment); Co-Sponsor (s): None; Contractor: Florida International University; Duration: 24 months; Cost to ASHRAE: \$165,979; Supports Research Strategic Goals: A6, C1, D3 (05-10) Plan

Will you please help us achieve our 2012-2013 RP goal? I hope that you will join us in our upcoming adventures, but you can always log on to <http://www.ashrae.org/contribute> and make your generous contribution online while you're thinking about it. We appreciate your support!

**Joe Souza, Research Promotion Chair (2012-2013)**

## 2012-2013 ASHRAE FWC Sponsors and Donators

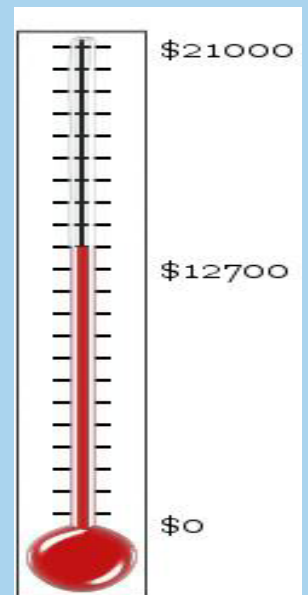
### Individual Endowment (\$2500 and Up):

Mr. Philippe B Jean

### Individual Honor Roll (\$100 and Up):

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Ms. Jennifer A. Isenbeck, PE	Mr. Martin A. Vicari
Mr. Thomas H. Williams	Mr. Daniel R. Rogers, PE

Mr. Ross D. Montgomery, PE



## Government Affairs Update

Happy New Year!

Many of you ask each month, what is TEGA anyway? TEGA is the lifeline between ASHRAE and the community. Its main purpose is to create, enhance, and maintain two-way communication between members and Society technical activities. Our Standards, Position Documents, Publications, etc. are all communicated through TEGA.

The Technical Energy and Government Activities (TEGA) Committee was formed in 1992 with the reorganization of the former Energy and Technical Activities Committee (ETAC) and the Government Affairs Committee (GAC). The major functions of TEGA are the technical resources/activities, government activities, and refrigeration activities.

There are many avenues in which TEGA provides a service to the community through membership including:

- Informing Chapter members of available ASHRAE technical material.
- Informing Chapter members of current Technical and Government issues.
- Disseminating technical information to chapter, public, civic, and professional groups.
- Providing assistance to local government groups when approved by the board and in keeping with Society publications, standards, and policy documents.
- Promoting the Technology Award & Government Activities Award programs.
- Informing Chapter members of Society-level technical activities and increasing participation in Technical Committees.
- Encouraging Chapter member participation in activities at local, regional and Society level.
- Providing Chapter input to Society on Standards, Publications, Research, Handbook and Position Documents through Technology Council.

Developing liaisons with the local community regarding technical issues.

Please contact me if you would have any questions or would like to learn more.

**Malia Powers, Government Affairs Chair (2012-2013)**

## How to Contribute to ASHRAE Made Easy

### 2012-2013 ASHRAE RESEARCH

#### Florida West Coast Chapter

This industry gives all of us our livelihood. ASHRAE's research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence.

Confident that you will recognize the benefits of this investment,  
I am asking you to help fund future HVAC&R research and development.

Contact: Joe Souza  
4208 Fox Ridge Blvd  
Wesley Chapel, Florida 33543  
(813-308-2155 or joseph.souza@lge.com)





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(Month) (Day) (Year) \*Required for membership demographics

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Please select preferred method of contact?  Current Address  Permanent Address  Business Address

What version of the ASHRAE Handbook would you like?  
 I-P (inch/pound units version)  SI (metric units version)  CD (I-P & SI)

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By completing the payment option below and submitting the student transfer program form, ASHRAE will charge the amount selected below to your credit card.

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To receive your subscription to the ASHRAE Journal, please answer the following questions by entering the appropriate codes in the spaces provided.

Which best describes your firm?  
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42. Government, Healthcare, Education  
43. Utility  
51. Manufacturer/MNC&R Equipment  
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62. Sales Engineering  
71. Wholesaler or Distributor  
82. Library  
84. Technical, Professional or Trade Association  
86. Student \*\*\*  
91. Other (Please Specify) \_\_\_\_\_

Which best describes your title?  
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C. Partner  
D. Associate  
E. Owner  
F. Vice President  
G. Vice President Eng, Chief Engineer  
K. Design Engineer  
L. Project/Application Engineer  
O. Facility Engineer/Manager  
F. Research/Development Engineer  
R. Sales Engineer, Sales  
S. Purchasing Agent  
T. Draftsperson  
U. Estimator  
W. Technician  
X. Instructor/Professor  
Y. Student \*\*\*  
Z. Librarian  
ZZ. Other (Please Specify) \_\_\_\_\_

Which best describes your function?  
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2. Manufacturing  
3. Maintenance/Operations  
4. Management  
5. Sales  
6. Research  
7. Teaching  
8. Other (Please Specify) \_\_\_\_\_

MAIL OR FAX BACK COMPLETED FORM ALONG WITH APPROPRIATE FEES TO:  
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. • 1791 Tullie Circle NE, Atlanta, GA 30329  
Phone: 1-800-527-4723 (U.S. and Canada) • 404-636-8400 (world-wide) Fax: 404-321-5478 • www.ashrae.org

## Chiller Efficiency Improvements (Standard 90.1)

ATLANTA – Chiller efficiencies for air and water cooled chillers would be boosted to more than 20 percent under a proposed addendum to the ASHRAE/IES energy standard.

Proposed addendum ch to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, changes the requirements for air and water cooled chillers as defined in section 6.4.2.1 and the efficiency requirements listed in table 6.8.1C. This change is a continuation of the efficiency improvements that were implemented in 2010 by further improving the efficiency requirements, according to Dick Lord, a member of the committee who developed the proposal through a working team of the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) chiller section.

Addendum ch is open for public review from Nov. 30, 2012-Jan. 14, 2013. For more information, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

In 2010, a Path B was added to the standard for part load intensive water cooled chillers. Proposed addendum ch would expand Path B by adding requirements to include air cooled chillers. Also as part of this change, efforts were made to bring the efficiency requirements for water cooled positive displacement and centrifugal chillers together while considering the available technology, and to chillers to be applied at other application conditions where one technology may better suited than the other. If approved, the new efficiency requirements would go into effect on Jan. 1, 2015.

The proposed efficiency requirements in addendum ch increase annual energy savings to 23.1 percent vs. Standard 90.1-2004 and 8.3 percent vs. Standard 90.1-2010. In 2010, the overall weighted average savings resulted in a 16.2 percent improvement in chiller annualized energy use vs. Standard 90.1-2004.

Lord noted the average payback was calculated at 6.3 years, given some units that exceed the scalar limits. Chiller manufacturers are aware of this and know that redesign and cost reduction will be required, but do support the proposal, he said. Lord also noted that we are reaching maximum technological limits at a component level and that in the future the industry will have to look at the full HVAC system for further improvements. AHRI is in the process of forming a new working group to address systems approaches for efficiency improvements and will work closely with Standard 90.1.

In addition, improvements also were made to the requirements to clarify their use. AHRI has recently updated the AHRI 550/590 rating standard that is used for the rating of chillers and its certification program. As part of this effort, AHRI developed a hard metric standard with slightly different rating conditions than the inch pound (I-P) ratings and have released it as AHRI 551/591. For the International System of Units (SI) rating, the change was reflected in the ratings as well as revising the reference to the AHRI rating standard to include AHRI 551/591.

The Standard 90.1 committee also opted to exclude chillers when the leaving condensing temperatures are greater than 115F from the equipment efficiency requirements of Table 6.8.1C. This proposed clarification stems from the fact that high-lift, heat reclaim chiller applications often use a different compressor and sometimes a different refrigerant. The intention of using heat reclaim chillers is to increase system efficiency, but the effect on overall system efficiency cannot be assessed at standard cooling design conditions, Lord said. AHRI is developing rating requirements, test procedures and certification for heat reclaim chillers as well as heat pump chillers.

Also open for public comment from Nov. 30-Jan. 14 is addendum aq that makes minor changes to improve clarity and to address issues identified in sections 6.5.1.3.a and 6.5.3.2.1.

For more information, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews).

## Advertise with ASHRAE

Your companies name and line can be advertised here.

Contact Michael Cowles with the ASHRAE

Florida West Coast Addenda Newsletter today to learn how and see the flyer on the page 8.

Michael Cowles, FWC Addenda Newsletter Editor, (813)-241-6488

[mike.cowles@kpiengineering.com](mailto:mike.cowles@kpiengineering.com)

## ASHRAE Volunteers Help Achieve Success

In one of their last major actions of the year, last week Members of Congress overwhelmingly passed the final version of the National Defense Authorization Act (NDAA) for Fiscal Year 2013 (H.R.4310). The passage of this bill, which contains no restrictions on the use of U.S. Department of Defense (DOD) funds for ANSI/ASHRAE/USGBC/IES Standard 189.1 – Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings, represented a major victory for ASHRAE and supporters of Standard 189.1. This success was largely due to the efforts of ASHRAE volunteers, who helped educate key Congressional staff on the importance and cost-effectiveness of the Standard. ASHRAE also coordinated its efforts with a number of technical societies and stakeholder organizations to help remove this restriction from the final bill.

If left intact, the restriction on DOD would have directly impacted the U.S. Army, which has been required to begin using Standard 189.1 since the beginning of the 2013 fiscal year, which began this past October.

Reference to Standard 189.1 is specifically mentioned in the joint statement from the managers of the bill; the joint statement is used to help convey legislative intent:

“The conferees note that while there is no prohibition limiting the use of funds for implementation of ASHRAE building standard 189.1, they expect DOD to not provide broad, sweeping policy guidance on the use of ASHRAE building standard 189.1 but rather utilize this standard on a project by project basis to maximize savings based on geographic locations and returns on investment through water and energy efficiencies, among other considerations.”

The final bill also continues the DOD prohibition on the use of funds for LEED Gold or Platinum certifications – but adds a new qualifier – this prohibition ends when DOD provides guidance to the Congressional Armed Services Committees on the Department’s pursuit and use of building rating systems and standards for energy and water efficiency and sustainable design.

The NDAA is one of the few yearly must-pass bills, as it paves the way for funding DOD programs and activities – including military facility construction. The passage of this year’s bill represents the 51st consecutive time this has happened. Although President Barack Obama issued a veto threat over provisions in the bill concerning issues such as the transfer of detainees in Guantanamo Bay, the President is expected to sign the bill into law soon.

## High Performance Buildings Congressional Caucus

High-performance buildings help create local jobs, while lowering overall costs and enhancing their communities. In recognition of the critical need to improve our nation’s public and private buildings, where people spend about 90 percent of their time, U.S. Representative Peter Welch (D-VT) has taken up the important task of co-leading the High-Performance Buildings Congressional Caucus.

Formed in 2008, the Caucus heightens awareness among federal policymakers about the major impacts that buildings have on the health, safety and welfare of the general public, and the opportunities to design, construct and operate buildings addressing these factors.

Specifically, the Caucus focuses on the eight aspects of high-performance buildings outlined in the Energy Independence and Security Act of 2007: Accessibility, Aesthetics, Cost-Effectiveness, Functionality, Historic Preservation, Productivity, Safety and Security, and Sustainability.

“The Coalition is delighted with Welch’s new leadership role as the Democratic Co-Chair of the Caucus,” said Doug Read, who serves as both ASHRAE’s Director of Government Affairs and Chair of the Caucus Coalition. “His leadership over the years on building energy efficiency and sustainability has resulted in the introduction and passage of several key bills in Congress. The Coalition looks forward to working with him and the rest of the Caucus to continue educating members of Congress on the importance of high-performance buildings issues.”

The Caucus is supported by the High-Performance Building Congressional Caucus Coalition ([www.hpbccc.org](http://www.hpbccc.org)), a broad-based group of over 160 technical societies, associations, and businesses.

Since 2008, the Coalition has held over 40 briefings on Capitol Hill to help educate policymakers and bridge the gap between the often highly technical and highly political worlds inhabited by the building community and Congress.

## FWC ASHRAE Sustainability Committee Wants YOU!

*Are you interested in learning more about Building Modeling?*

*What kinds of tips can your peers offer?*

*What software and tools can be used, what is your favorite? What is free? What is required?*

*What is ASHRAE 90.1 Appendix G and where are Standards 189.1 and 90.1 going?*



We would like to conduct a focus group just for our Florida West Coast members.

Join us for an hour over lunch so we can discover ways to help YOU!

We are looking at dates in January.

**Email: Jennifer Isenbeck, PE, LEED BD+C, CPMP [jisenbeck@ut.edu](mailto:jisenbeck@ut.edu) (FWC Sustainability Chair)**

### Where can you find **FREE** resources on Sustainability?

#### For ASHRAE members only:

- 30% and 50% beyond 90.1-1999 Advanced Energy Design Guidelines: <http://www.ashrae.org/standards-research--technology/advanced-energy-design-guides>
- *The ASHRAE Energy Efficiency Guide for Existing Commercial Buildings: The Business Case for Building Owners and Managers* — Provides the rationale for making economic decisions related to improving and sustaining energy efficiency in existing buildings.
- *The ASHRAE Energy Efficiency Guide for Existing Commercial Buildings: Technical Implementation Publication* – Provides technical guidance for implementing energy efficiency measures in existing buildings.

*ASHRAE FREE Webcast: April 18, 2013 “Assessing Building Energy Performance: From Practice to Principals”*

### Other FREE Resources and Great Case Studies and Articles:

High Performance Buildings Magazine: <http://www.hpbmagazine.org/>

BIM Guide: <http://www.ashrae.org/resources--publications/free-resources/free-publications>

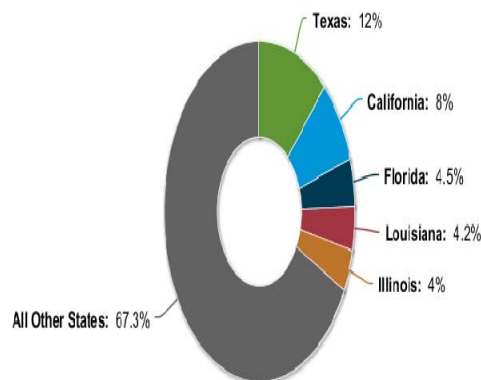
U.S. Department of Energy: Energy Efficiency and Renewable Energy, Commercial Building, High Performance Building Energy Database: <http://buildingdata.energy.gov/>

The Living Building Challenge: a Philosophy, Advocacy Platform and Certification Program that promotes a *Visionary Path to a Restorative Future*. See: <https://ilbi.org/lbc>

### How ASHRAE Volunteers:

Read ASHRAE President Tom Watson’s letter and promotion of Sustainability as this year’s theme: *Broadening ASHRAE’s Horizons*, <http://www.ashrae.org/society-groups/volunteer/ashrae-community-sustainability-projects>

U.S. energy consumption, 2010



United States = 97.7 quadrillion Btu



Source: U.S. Energy Information Administration, State Energy Data System 2010





**Annual Golf Tournament**  
**Friday, February 22<sup>nd</sup> 2013**  
**@ 12:30pm**

**Sponsorship Levels:**

- \$700.00 ..... Gold Team Sponsor...save \$50**  
Includes: 4-some Golf Team + Tee Box Sign (1) + Hole Pin Flag (1)
- \$560.00 ..... Silver Team Sponsor...save \$40**  
Includes: 4-some Golf Team + Tee Box Sign (1)
- \$520.00 ..... Bronze Team Sponsor save \$30**  
Includes: 4-some Golf Team + Hole Pin Flag (1)
- \$2,000.00 ..... Event Shirt Sponsor**  
Company name/logo embroidered on sleeve of polo shirt given to each golfer & volunteer
- \$400.00 ..... Tote Gift Bag Sponsor**  
Company name/logo recognition on Tote Gift Bag given to all Golfers
- \$750.00 ..... Beverage Cart/Snack Sponsor – (1) sponsor per 9 holes; (2) sponsorships available**  
Company name/logo recognition on Beverage Cart
- \$550.00 ..... Golf Cart Sponsor**  
Company name/logo recognition on each Golf Cart
- \$600.00 ..... Lunch Sponsor**  
Company name/logo recognition on signage at Lunch serving station
- \$1,000.00 ..... Golf Towel Sponsor**  
Company name/logo on Golf Towel given to each golfer
- \$300.00 ..... Putting Contest Sponsor**  
Company name/logo recognition on signage at Putting Contest
- \$1,000.00 ..... Awards Dinner Sponsor**  
Company name/logo recognition on signage in Clubhouse during Awards Dinner
- \$200.00 ..... Tee Box Sponsor**  
Company name/logo featured on a sign prominently displayed at a Tee Box
- \$150.00 ..... Longest Drive Sponsor**  
Company name/logo recognition on signage at Tee Box for hole
- \$150.00 ..... Closest to the Pin Sponsor**  
Company name/logo recognition on signage at Tee Box for hole
- \$150.00 ..... Hole Pin Flag Sponsor**  
Company logo featured on weatherproof Pin Flag placed at hole on course / returned to sponsor after event
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Includes: Bag Lunch, Practice @ Range, Gift Bag, Golf & Cart Fee, and Awards Dinner

**Donations of your company's logo items are also welcome for inclusion in the participant Gift Bag or as Raffle Prizes**

**Location:** The Eagles Golf Club of Tampa Bay  
 Forest Course  
 16101 Nine Eagles Dr.  
 Odessa, FL 33556  
 Ph# 813.920.6681



**Special Contests** ..... Longest Drive hole, Closest to the Pin hole, and Putting Contest

**Schedule:** 10:30am .....Registration Begins, Practice at the Range, Receive bag lunch  
 12:30pm .....Shotgun Start of Golf Tournament (4-person Scramble format)  
 5:30pm .....Reception and Awards Dinner (approximate time)

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**American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)**

**Mission:** Founded in 1894, ASHRAE is an international nonprofit technical engineering society. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

**Research:** ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design and operation and management tools, alternative technologies and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

[Proceeds from the ASHRAE-FWC Golf Tournament benefit ASHRAE RESEARCH and Local Chapter](#)



# Annual Golf Tournament

Friday, February 22<sup>nd</sup> 2013 @ 12:30pm

Registration Information / online @ [www.ASHRAE-FWC.org](http://www.ASHRAE-FWC.org)

**\*All Payments Required Prior to Day of Event\***

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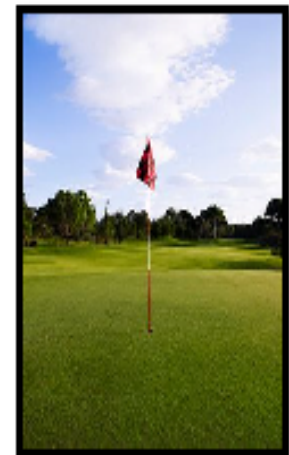
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Golfer #2 Name: \_\_\_\_\_ Shirt Size: \_\_\_\_\_

Golfer #3 Name: \_\_\_\_\_ Shirt Size: \_\_\_\_\_

Golfer #4 Name: \_\_\_\_\_ Shirt Size: \_\_\_\_\_



### Sponsorship

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Type/Level: \_\_\_\_\_ Qty: \_\_\_\_\_ Fee: \$ \_\_\_\_\_

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### Payment Information:

Use PayPal online at: <http://www.ashrae-fwc.org/golftournament.htm>

OR...make checks payable to ASHRAE-FWC and mail to the following address:

ASHRAE-FWC Golf Tournament C/O Isaac Crimm

1511 N. Westshore Blvd., Suite #820

Tampa, FL 33607

For more information please email questions to: [isaaccrimm@engineer.com](mailto:isaaccrimm@engineer.com)



Please consider advertising in the Florida West Coast Chapter of ASHRAE’s newsletter and website. Your advertisement is published 10 times per year, and can be updated through the year with a new copy if desired. In addition, your business card will be scanned and included on the chapter website, and your company name and contact information is included on the Chapter Affiliates page of the website. The chapter encourages its members to review the newsletter and website whenever they consider a product for the project designs.

For the 2012-2013 year, the Chapter Board of Directors has decided upon the following rate as detailed below. In appreciation of the support from our sponsors during this difficult economic time, we want advertising in the chapter newsletter and website to remain affordable and accessible.

<b>2012-2013 ASHRAE FWC Advertising Rates</b> (All Rates are for the Business Year Including 10 Newsletter Publications and 10 Months of Information Placed on the Florida West Coast Brand New Website)		
Ad Type and Size:	ASHRAE FWC Members Fee:	Non-Members Fee:
1/4 Page Newsletter/Website Ad (Include Business Card on Website)	\$125.00	\$150.00
Half Page Newsletter/Website Ad (Includes Business Card on Website)	\$200.00	\$250.00
Full Page Newsletter/Website Ad (Includes Business Card on Website)	\$350.00	\$400.00
Monthly Full Page Newsletter Ad (Includes Business Card on Website)	\$75.00	\$100.00
Monthly Full Page Website Ad (Includes Business Card on Website)	\$100.00	\$150.00

Please indicate your interest in advertising with us by responding to the email address below and remit your ad copy in either PDF or JPEG formats to Mike Cowles. Please send payment to the Chapter address below to ensure placement of the ad in the September edition of the newsletter. Advertising fees shall be prorated based on the number of newsletter editions remaining upon the purchasing of your advertising plan.

Thank you for considering the Florida West Coast Chapter of ASHRAE newsletter and website in your advertising strategy!

[mike.cowles@kpiengineering.com](mailto:mike.cowles@kpiengineering.com)

Florida West Coast Chapter of ASHRAE  
 3203 Queen Palm Drive · Tampa, Florida 33619 · (813)-241-6488

## ASHRAE Learning Institute

Specialty Courses Available with Online Registration

### 2 WAYS TO REGISTER

Internet: [www.ashrae.org/dallascourses](http://www.ashrae.org/dallascourses)

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

### Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

**The Commissioning Process in New & Existing Buildings**  
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

**Complying with Standard 90.1-2010**  
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

**Data Center Energy Efficiency**  
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

**Energy Modeling Best Practices and Applications:  
HVAC/Thermal**  
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

**Healthcare Facilities: Best Practice Design & Applications**  
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

### Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

**Air-to-Air Energy Recovery Fundamentals**  
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

**Commissioning Process & Guideline 0**  
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Humidity Control: Applications, Control Levels  
and Mold Avoidance**  
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

**Evaluating the Performance of LEED®-Certified Buildings**  
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**  
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

**Optimization of HVAC Systems & Components:  
Techniques & Real-World Examples**  
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Application of Standard 62.1-2010:  
Multiple Spaces Equations & Spreadsheet**  
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

**Energy Management in New and Existing Buildings**  
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Combined Heat & Power: Design through Operations**  
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

**Avoiding IAQ Problems**  
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Understanding Standard 189.1-2011 for  
High-Performance Green Buildings**  
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Designing Toward Net Zero Energy Commercial Buildings**  
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal  
Irradiation (UVGI) Systems**  
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Understanding & Designing Dedicated Outdoor Air Systems**  
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**  
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

## HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

### HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register

[www.ashrae.org/abepwebcast](http://www.ashrae.org/abepwebcast)

Brought to you by the ASHRAE Chapter Technology Transfer Committee



Presenters



Thomas E. Wakson,  
ASHRAE President



Drury Crawley, Ph.D.



Jim Kelsey, LEED AP,  
P.E., BEAP



Christopher Mathis

# Assessing Building Energy Performance:

## *From Principles to Practice*

April 18, 2013 | 1:00 PM-4:00 PM EDT

This webcast will feature industry experts who will explain the importance of building energy performance and its far-reaching implications in both new and existing buildings. Viewers will also learn about the various tools and approaches that are available, as well as the many opportunities that assessing building energy performance presents.

### How to Participate

- You may register to view the webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

### PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LUs) may be awarded to viewers who complete the "Participant Reaction Form" by May 2, 2013.

For more information about the program, presenters, continuing education credits, sponsorships, and ABEP resources, please visit us at [www.ashrae.org/ABEPwebcast](http://www.ashrae.org/ABEPwebcast) OR scan this tag with your smart phone.



Get the free mobile app at  
<http://gettag.mobi>



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**Upcoming FWC Events**

**January 10, 2013**

Mentoring Minds  
Thermal Storage

**January 15, 2013**

Sustainability in Healthcare  
Joint Meeting with USGBC &  
AIA

**January 16, 2013**

"Sound Design" Seminar  
4 CEUs, Location TBD

**February 22, 2013**

**ASHRAE FWC  
Golf Tournament:**  
The Eagles Country Club

**April 12, 2013**

**ASHRAE FWC  
Shrimp Boil:**  
The Davis Island Garden Club



**Board Members, Committee Chairs and Contact Info:**

<u>Jason Proctor</u> President 813-250-0488	<u>Philippe Jean</u> Pres. Elect/Programs 813-541-3516	<u>Joe Souza</u> V.P./Research Promotion 813-309-2155	<u>Joe Cox</u> Membership 813-250-0488	<u>Mike Costello</u> Treasurer/Shrimp Boil 813-300-4662	<u>Ike Crimm</u> Secretary/Golf Event 813-288-1500
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