

Keeping it Cool with ASHRAE



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

From the Desk of the President

We have a lot of events going on last month, National Engineer's Week which we planned such an ASHRAE presentation for K-12 students at MOSI, our annual golf tournament on February 22, 2013 and the annual Engineer's Week banquet also on the 22nd.

Upcoming Events:

- | | |
|----------------|--|
| March 19, 2013 | Monthly Dinner/Technical Meeting,
Energy Conservation in Existing Buildings |
| April 12, 2013 | FWC Shrimp Boil |
| April 18, 2013 | ASHRAE Webcast "Assessing Building
Energy Performance: From Principles to
Practice" We will be presenting this at a joint
location with USGBC at St. Pete College
EPI Center, 13805 58th St. N. Upstairs,
Room 2-312 in Clearwater (3)
PDHs or (3) AIA Learning Units will be
awarded to those who participate. |



This will be a free event for USGBC & Florida West Coast Chapter Members.

In other exciting news, some of our Florida West Coast Family has recently been recognized by national.

Mr. Ross Montgomery – Recognized as ASHRAE Fellow

Mr. Al Sanchez – Exceptional Service Award

Mr. Ronald Caffrey – Distinguished Fifty-Year Member Award

We are the Florida West Coast Chapter appreciate the support each of you has provided ASHRAE throughout the years. When you see these members; be sure to congratulate and thank them for their efforts.

See you all on March 19th at the Columbia.

Jason Proctor, FWC President (2012-2013)

Inside This Addenda Issue:

Presidential Address	1
Upcoming Meeting Flyer	2
Shrimp Boil Flyer	3
Membership Promotion	4
Government Affairs Update	5
Smart Start Program	6
ASHRAE Standard 52.1 and 52.2	7
Local Job Opportunities	8



**Florida
West Coast
Chapter**

American Society of Heating, Refrigerating and Air-Conditioning Engineers



Meeting Notice
Tuesday March 19, 2013

The Economic Impact of O&M Management

Operation of the mechanical systems in a building or complex is normally seen as an operational expense. Thus there is a focus on strategies that will minimize that expense. In reality, there is a relationship between the way maintenance is executed and managed and other significant costs faced by the facility that suggests that maintenance is an investment that can pay huge returns.

This presentation will provide some examples of where decisions around the level of maintenance impact total ownership cost. It will also discuss the impact of both overall (policy level) maintenance decisions and specific maintenance strategies on system efficiency and life of components.

Our presenter holds the distinction of being a Fellow of ASHRAE, Member of its Technology Council, ASHRAE Distinguished Lecturer and Vice-chair/Standards Chair of Technical Committee 7.3 (Operations and Maintenance Management). He is ASHRAE representative to the Western HVAC Performance Alliance, member of the RIA Environmental Council, IICRC S520 Consensus Body, advisor to both NADCA and ACCA HVAC system hygiene standards and past President of IAQA.

We will be also having a 50/50 drawing that evening.

Presenter for the Evening
Bob Baker, OPMP, FASHRAE
BBJ Consulting Service
Riverview, Florida



Columbia Restaurant
2117 East 7th Ave
Ybor City, Florida 33605





2013 ANNUAL ASHRAE SHRIMP BOIL

Come mingle with your ASHRAE friends and enjoy music, cold beverages and plenty of shrimp!



Friday, April 12, 2013 • 6:00-11:00 PM
Davis Islands Garden Club • 81 Columbia Drive, Tampa

\$30.00 Individual Payment via PayPal or Check

Save \$5 and purchase in advance!

(includes all you can eat shrimp & chicken, unlimited beverages)

\$35.00 Individual Payment Day of Event

(includes all you can eat shrimp & chicken, unlimited beverages)

\$150.00 Corporate Sponsorship

(includes company name/logo on table display AND (2) Shrimp Boil entries)

REGISTRATION:

Attendee Name: _____	Additional Attendees
Company Name: _____	Name: _____
Mailing Address: _____	Name: _____
City, State, Zip: _____	Name: _____
Phone: _____	Name: _____
Email: _____	Name: _____

PAYMENT INFORMATION:

Type: _____ # Attendees _____ \$ _____

Pay online via PayPal @ <http://www.ashrae-fwc.org> OR Fill out this form and mail to:

ASHRAE-FWC Shrimp Boil, C/O Mike Costello, #365 Gunn Highway, Tampa, FL 33626. Please make checks payable to ASHRAE-FWC.

For more information, email questions to mcostello@cea-engineers.com

Research Promotion (Recent Tax Law Updates)

Very early in the New Year, Congress passed tax legislation meant to avert the 'fiscal cliff,' at least from a tax standpoint. The American Taxpayer Relief Act of 2012 (yes, even though enacted in 2013!) is a long, complex bill with many different tax provisions. The good news is that if you support ASHRAE Foundation or other charities, the legislation leaves intact the income tax charitable deduction. It also continues the ability to deduct charitable gifts of long-term appreciated assets (real estate, stocks, and mutual fund shares) at full market value.

Here is a brief summary of a few parts of this new law that you should know about:

Individual tax rates. The lower Bush-era income tax and capital gains tax rates were made permanent for all but the highest income taxpayers. Those with taxable incomes over \$400,000 (\$450,000 for married taxpayers) will have a marginal income tax rate of 39.6% and a marginal capital gains tax rate of 20%. You can read more information about this provision by [clicking this link on New Incentives](#).

Medicare Surtax. A new 3.8% surtax on net investment income, which includes realized capital gains, went into effect. Referred to by some as the Medicare surtax, this new tax went into effect on January 1, 2013 as part of the Affordable Care Act. It is imposed on top of other income taxes and kicks in when a taxpayer's modified adjusted gross income (MAGI) is above \$250,000 for joint returns and surviving spouses, less than that for other filers.

Itemized Deductions. The law slightly reduces itemized deductions for high income taxpayers (by 3% for every dollar a taxpayer's income exceeds \$250,000 and \$300,000 for married taxpayers). Includes deductions for state taxes and mortgage interest as well as charitable deductions. You can read more about this provision by [clicking this link to Deduction Reduction](#).

Estate and Gift Tax. The unprecedented exemption amount of \$5M (\$10M for married taxpayers), adjusted annually for inflation, was made permanent and portability remains. The marginal estate and gift tax rate increased from 35% to 40%.

We encourage you to talk with your tax advisor to learn more about the tax legislation and how it affects you.

Joe Souza, Research Promotion Chair (2012-2013)

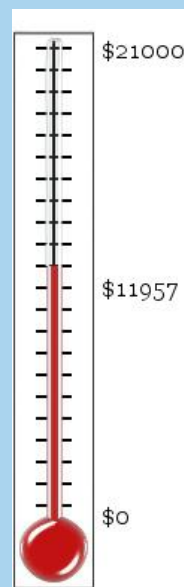
2012-2013 ASHRAE FWC Sponsors and Donators

Individual Endowment (\$2500 and Up):

Mr. Philippe B Jean

Individual Honor Roll (\$100 and Up):

Mr. Mike Costello	Mr. Michael J Cowles
Mr. Isaac W Crimm, PE	Mr. Alberto J Sanchez, PE
Mr. Jason C Proctor	Mr. Joseph R Cox
Mr. Joseph D Souza	Mr. Shawn M Jeffrey, Sr
Mr. Jasper S Scott, Jr	Mr. Jack J. Eunson
Ms. Jennifer A. Isenbeck, PE	Mr. Martin A. Vicari
Mr. Thomas H. Williams	Mr. Daniel R. Rogers, PE
Mr. Ross D. Montgomery, PE	



Dallas Recap: Advancing ASHRAE's Policy and Technical

At ASHRAE's Winter Conference last week in Dallas, opportunities for ASHRAE chapters, sections, and members to engage with policymakers in their respective jurisdictions came very much to the fore.

Perhaps most importantly, the new Grassroots Government Activities Committee (GGAC) kicked off in earnest with a training session for the Committee's membership, which includes the incoming Regional Vice Chairs (RVCs) for Grassroots Government Activities, as well as the four-member committee executive (i.e., Chair, two Vice Chairs, Communications Coordinator). In this training, attendees discussed:

- How the GGAC fits in with the extant Society Member Services framework.
- Encouraging chapters, sections, and members to connect with policymakers in their area.
- Zeroing in on public policy concerns specific to chapters' and sections' respective areas.
-

At the end of this session, RVCs provided suggestions on what worked and what did not. These evaluations are under review and will help guide development of training provided to chapter and section leaders at upcoming Chapter Regional Conferences (CRCs).

Beyond this very targeted training, members participated in a dialogue with national energy efficiency leaders – including the Chair of the Standard 90.1 development committee (Steve Skalko) on ways in which U.S. state and federal energy policies manifest themselves in the day-to-day work of ASHRAE members. The discussion focused in large part on challenges and opportunities regarding up-to-date energy standards and codes and how ASHRAE members can best provide technical assistance and policy guidance to policymakers on energy efficiency-related measures.

Another way in which ASHRAE members may best impact public policy in their communities is by working with like-minded organizations in creating a “force multiplier” instead of acting alone on a policy “island.” ASHRAE and the National Association of State Energy Officials (NASEO) signed a Memorandum of Understanding (MOU), which formalized an ever-growing relationship and will serve to strengthen organizational ties between us. Furthermore, this signing emphasized the opportunities available to chapters and sections in working with NASEO members in their respective states. To that end, Dub Taylor, NASEO's Past Chair and the Director of the Texas State Energy Conservation Office, participated in the RVC training and provided guidance on how ASHRAE may best work with his organization's members to effect constructive change in energy efficiency policy.

“ASHRAE and NASEO share common interests in buildings, government affairs, energy codes and standards,” ASHRAE President Tom Watson said. “This MOU allows us to further those interests and share information on improving the energy efficiency of buildings and systems.”

If you were in Dallas – or even if you were not – you still can have a role in these activities. Perhaps the best way to get involved is to become a chapter or section GGAC Chair. In this role, you will be part of a larger community of international advocates and technical experts – and a vital link between ASHRAE members and government decision-makers in your community. To learn more about being a GGAC Chair, please contact Mark Wills, manager of State and Local Government Affairs, at mwills@ashrae.org, or 202-833-1830.

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.

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



Shaping Tomorrow's
Built Environment Today

ASHRAE STUDENT TRANSFER FORM



save money. save time. transfer online.
www.ashrae.org/smartstart

☐ Mr. ☐ Miss ☐ Ms. ☐ Mrs. Member No. _____ *Birth _____ / _____ / _____
(Month) (Day) (Year) *Required for membership demographics

Name _____
(First) (Middle) (Last) (Designation)

Current Address: (This will be where all correspondence will be sent unless otherwise specified)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

Permanent Address: (OPTIONAL - During the summer months and after graduation)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

Business Address: (OPTIONAL - Fill out this section and check the box below if you prefer correspondence mailed to your business address)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

E-mail _____ Alternate E-Mail _____

Telephone _____ Fax _____

ASHRAE Email Usage Policy - ASHRAE respects the privacy rights and communication preferences of its members. To support ASHRAE's commitment to sustainability, ASHRAE actively seeks to reduce the amount of paper and mail used to communicate Society information. By supplying your email address, you are agreeing to receive electronic communications from ASHRAE, with the knowledge that you may opt-out of certain types of electronic communication once you become a member. Occasionally ASHRAE makes under proper safeguard physical address mailing lists - not email - to third parties for HVAC&R technology related direct mail purposes. If you DO NOT wish to receive these physical mailings please check here. ☐

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)

Method of Payment

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

☐ \$120: For all three years (\$20-\$50-\$50) ☐ \$20: For one year only (your next two renewals will be \$50/year)

☐ Visa ☐ Mastercard ☐ American Express ☐ Check or money order Enclosed Amount
(Checks must be payable to ASHRAE in US funds drawn from a US bank.)

Card # _____ Expiration Date _____ / _____ CVV _____
(Month) (Year)

Name on Card _____ Signature _____

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?

11. Consulting Engineering
12. Architect/Architectural & Eng Services
15. Design/Build
21. Contractor
26. Property Mgmt & Dev
31. Industrial Facility
41. Commercial Facility
42. Government, Healthcare, Education
43. Utility
51. Manufacturer/HVAC&R Equipment
61. Manufacturer's Representative
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?

- B. President
- C. Partner
- D. Associate
- E. Owner
- F. Vice President
- G. Vice President Eng, Chief Engineer
- K. Design Engineer
- L. Project/Application Engineer
- O. Facility Engineering/Manager
- P. 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?

1. Design/Application
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

ASHRAE Publishes Revised Filtration Standard Combines Standard 52.1 and 52.2

ATLANTA – A newly revised filtration standard from ASHRAE combines two standards setting the path to improve the technical accuracy of filter testing. ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, establishes a test procedure for evaluating the performance of air-cleaning devices as a function of particle size. The publication marks the first time Standard 52.2 has been published combining Standard 52.1, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter.

“Combining the two standards provides a clean slate to begin significant changes regarding making the method much more technically accurate,” Robert Burkhead, chair of the Standard 52.2 committee, said. “Specifically, we have plans in motion to change the MERV (minimum efficiency reporting value) table ranges, narrow the ambient conditions allowed and further refine the instrumentation specifications – all in an effort to reduce the variability of the data product from the standard.” Standard 52.2 now incorporates the Standard 52.1 sections on arrestance and dust-holding capacity; and also adds a new informative appendix, Appendix J, that provides an optional method of conditioning a filter using fine potassium chloride particles to demonstrate efficiency loss that might be realized in field applications.

The standard addresses three air-cleaner performance characteristics of importance to users: the ability of the device to remove particles from the airstream, the total dust holding capacity with arrestance (weight efficiency) and its resistance to airflow, according to Burkhead.

The cost of ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size, is \$54 (\$46 ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

Sen. Lisa Murkowski Releases Energy Legislation Blueprint

U.S. Senator Lisa Murkowski (R-AK), the top Republican of the Senate Energy and Natural Resources Committee, issued a detailed plan for energy legislation in the 113th (current) Congress entitled “Energy 20/20: A Vision for America’s Energy Future.” This comprehensive, 123-page manifesto delves into energy production, conservation, technology, governance, environmental, and funding issues, laying out challenges and proposing solutions or next steps. The entire document, and in particular, the portion addressing building codes may be of interest to ASHRAE members:

“Building codes are and should be part of the discussion, but codes are only as good as their enforcement, which drops off when state and local budgets are squeezed by a weak economy,” said the report. “One thing is certain: efficiency and conservation across all sectors must be part of an all-of-the-above solution. By 2020, the federal government should shift to a wholesale efficiency approach that would integrate existing ‘silos’ of efficiency measures such as building codes, lighting, and appliances so that they work as a system to increase the overall efficiency of buildings.”

Proposed next steps in energy efficiency include commissioning a review by the U.S. Government Accountability Office (GAO) of current and past funding and performance of federal energy efficiency programs, with the possibility of proposing consolidated or streamlined programs as a result.



NIST Study Shows States Cut Costs, Reduce Emissions While Increasing Efficiency by Adopting Newer ASHRAE Commercial Building Energy Standards

A new 10-year study by the National Institute of Standards and Technology (NIST) reveals that by adopting the latest edition of ASHRAE Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings, for commercial buildings, states can realize an average of over 22 percent in energy cost savings and reduce building-related carbon emissions by 20 percent – all while cutting building lifecycle costs by about 1 percent.

Alliance Commission on National Energy Efficiency Policy Issues Recommendations

Earlier this week, the Alliance to Save Energy's (ASE) Alliance Commission on National Energy Efficiency Policy released its recommendations for doubling U.S. energy productivity by 2030.

Championed by Senator Mark Warner (D-VA), former New York Governor George Pataki, and industry leaders, the recommendations focus on activities such as increasing investments for energy efficiency projects in the building environment; strengthening and increasing compliance with building energy codes; and educating and engaging policymakers, consumers, and the business community on building energy efficiency through building energy disclosure, ratings, and benchmarking.

Job Opportunity: IC Mechanical

IC Mechanical, Inc. is a Design/Build Mechanical in search of a Mechanical Engineer. Job responsibilities include:

- HVAC Design Knowledge/Experience
- Perform engineering investigation site visits
- Perform heat load calculations and material/equipment selections
- Communicate with equipment/material vendors for technical support
- Able to generate written engineering reports and studies
- Software proficiency with AutoCAD, Revit and Microsoft Office programs
- Ability to efficiently design piping, ductwork and equipment utilizing AutoCAD
- Excellent communication skills with a self-starter work ethic
- Attention to detail, timeliness of work, professional appearance and conduct

Please forward a resume to:

IC Mechanical, Inc., PO Box 1685, Oldsmar, FL 34677
813.818.0839 fax or to jwithrow@icengineeringsolutions.com

Job Opportunity: Engineering Matrix

Building Systems Engineering responsibilities would include:

Mechanical Engineering - HVAC systems design including waterside and airside equipment, DDC controls.
Electrical Engineering - Building Power distribution, Interior lighting design, Site lighting design.

Engineering Degree or a minimum of 5 years experience. Knowledge of AutoCAD and Revit helpful.

Salary Negotiable.

Please send Resume to Heather Schiller at heathers@engmtx.com

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 (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>

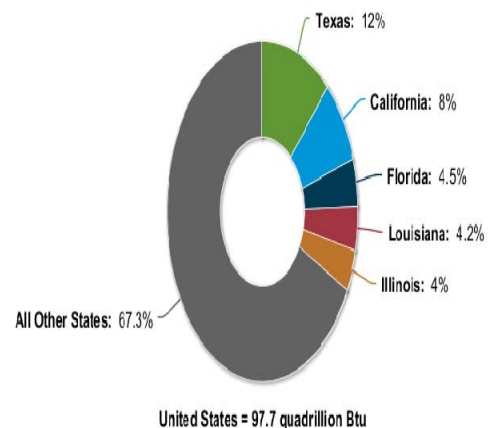
U.S. Department of Energy: Energy Efficiency and Renewable Energy, Commercial Building, High Performance Building Energy Database: <http://buildingdata.energy.gov/>

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



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

ASHRAE Learning Institute

Spring 2013 Courses Start ASHRAE Fall Winter Courses in April 2013 and 2014

2 WAYS TO REGISTER

Internet: 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 to register

www.ashrae.org/abepwebcast

Brought to you by the ASHRAE Chapter Technology Transfer Committee

Presenters



Thomas E. Watson,
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 OR scan this tag with your smart phone.



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



Past Presidents

1957-58 Karl K. Hickman	1984-85 Charles E. Langbein
1958-59 Sam F. Graziano	1985-86 Thomas H. Williams
1959-60 Julian Johnson	1986-87 Caire A. Boe
1960-61 Ken Whittington	1987-88 Frank Grandinetti
1961-62 Mark E. Mooney	1988-89 Carl B. Lawson
1962-63 James A. Hargan	1989-90 Robert M. Little
1963-64 Daniel R. Manrique	1990-91 Edward C. Spivey
1964-65 E. J. Bauerlien	1991-92 Robert P. Sutton
1965-66 Henry Graham	1992-93 Roger B. Redman
1966-67 Richard Kohle	1993-94 Stephen Chittenden
1967-68 Lamar King/Leland Menard	1994-95 William M. Slade
1968-69 Ed Fuller	1995-96 Juan A. Soler
1969-70 William A. Smith	1996-97 Timothy J. Citek
1970-71 Fareed T. Ossi	1997-98 Mark Smith
1971-72 Lee Bendall	1998-99 Joseph Griner, III
1972-73 John Degian	1999-00 Colleen Smith
1973-74 Mark Chambers	2000-01 John W. Wells, III
1974-75 Charles "Stan" Weaver	2001-02 Gary Stenlund
1975-76 Charles D. Jacobs	2002-03 Bill Wright
1976-77 Peter Scott	2003-04 Don Crosby
1977-78 Ray Rinke	2004-05 Ted S. Hansen, Sr.
1978-79 Lloyd H. Biossoneault	2005-2006 P.J. Crespo
1979-80 James H. Carroll, Jr.	2006-2007 Dan Herrera
1980-81 S. Michael Tappouni	2007-2008 Jennifer Isenbeck
1981-82 Alberto J. Sanchez	2008-2009 Debie Horsey
1982-83 James L. Repp	2009-2010 Drew Elsberry
1983-84 Rodney C. Thomas	2010-2011 Jeff Ross
	2011-2012 Shawn Jeffrey, Sr.

Upcoming FWC Events

March 19, 2013

Monthly Dinner/Technical Meeting,
Energy Conservation in
Existing Buildings

April 12, 2013

FWC Shrimp Boil

April 18, 2013

ASHRAE Webcast

"Assessing Building Energy
Performance:
From Principles to Practice"

We will be presenting this at a joint
location with USGBC at
St. Pete College EPI Center,
13805 58th St. N. Upstairs,
Room 2-312 in Clearwater

(3) PDHs or (3) AIA Learning Units
will be awarded to those
who participate.



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
<u>Leon Boe</u> YEA Chair/Governor 813-879-2749	<u>Dan Herrera</u> Historian 813-839-0506	<u>Jeff Ross</u> CTTC Chair 813-250-0488	<u>Debie Horsey</u> Refrigeration 813-748-9406	<u>Malia Powers</u> Governor/TEGA Chair 813-220-0588	<u>Michael Cowles</u> Newsletter/Governor 813-241-6488
<u>Shawn Jeffrey</u> Nominating/Governor 813-250-0488	<u>Michael Cowles</u> Facebook Page 813-241-6488	<u>Jacob Moberg</u> Reception Chair 813-448-0225	<u>Cyber Chair</u> Jason Babinec 813-620-6152	<u>Eric Viera</u> Chapter Roster 813-448-0225	<u>Chris Brown</u> Publicity 813-784-1740