

The A.S.H.R.A.E. Newsletter

Southwest Florida Chapter # 139



Voted Region XII Best Newsletter for ASHRAE Year 1998 - 1999 & 2006 - 2007

www.swflashrae.org

Meeting Notice

Topic:
Standard 180, A New Approach to HVAC System Maintenance

Guest Speaker:
Robert G. Baker, CEO, BBJ Environmental Solutions.

Meeting Location:

**ENGINEERING
CEU'S OFFERED**

Magnolia Room
Town Center at Pelican Preserve
(just off Colonial Blvd.)

Time:

5:00 – 6:00 Board of Governors Meeting
5:45 – 6:45 Technical Session
6:45 – 8:30 Dinner, Meeting and Program

Date:
**Thursday
November 13, 2008**

**Note
New Meeting
Night**

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Cost:

\$30.00 Reservations are required.

RSVP to Stacey Perkins:

(239) 275-9420

Or
Sp Perkins@trane.com

Or on line at:
www.swflashrae.org

**Research Promotion
Night
Welcome RP RVC
Dan Rogers**

ASHRAE/USGBC Names Washington, D.C. Fellow

ATLANTA – A Florida mechanical engineer has been named as a Washington Congressional Fellow hosted by ASHRAE and the U.S. Green Building Council (USGBC).

Michael Erbesfeld, TLC Engineering for Architecture – Deerfield Beach Division, will serve a one-year fellowship in Washington, D.C., which allows him to work on Capitol Hill in a technical advisory role. He has been assigned to the office of Sen. Dianne Feinstein (D-Calif.). Erbesfeld recently completed the annual fellows orientation sponsored by the American Association for the Advancement of Science.

“What’s so exciting about this fellowship is that it offers an opportunity to help policymakers shape the future of our built environment by making responsible design the standard as opposed to the exception,” Erbesfeld said.

Doug Read, ASHRAE program director of government affairs,

Please see **Fellow** on page 3





Presidents Message

By Sam Moreland

Our October roundtable was a great success. It was a very lively discussion and I want to thank all of our members, and the TCSCA members, who participated. Our next meeting features a presentation by Bob Baker on Standard 180, A New Approach to HVAC System Maintenance. Bob is an excellent speaker and CEU credits will also be available. The Florida PE license renewal cycle begins soon so we plan on having one more meeting with CEU credits in January to help everyone get their education credits complete. November will also be Research Promotion night. There is the meeting where we want to give special recognition to all of our generous contributors from the previous year and also highlight our research accomplishments. Dan Rogers, our Regional Vice Chair for Research Promotion is also scheduled to attend this meeting. So make sure you come out and give Dan a warm welcome. Speaking of Research Promotion, October 24th was our annual Golftoberfest event and this year was the most successful ever. Despite the inclement weather we had an excellent turnout and a great afternoon of golf. All of the volunteers did an excellent job and this year had more golfers, more sponsors, and more money raised than we have ever had before. I want to thank everyone who participated and thank you to this year's



Sam Moreland Southwest Florida Chapter 139 President

tournament Chair, Woody Wilson, and his team of volunteers for a job well done. We have finalized plans for our annual Hockey Night in December. The cost will be the same as a regular meeting but includes an Everblades hockey game and a plant tour. We always try to make this family friendly and this year we have a discounted rate for kids so be sure to bring the family. Check out the details in the newsletter and on the website. The primary function of the chapter is the serve the ASHRAE members in this community. I am always looking for input and ways to improve the chapter. Please contact me, or any of the other officers, if you have any comments or ideas.

Best regards,

Sam Moreland
2008-2009 SW FL ASHRAE Chapter President

Membership

By Autumn Spalding



Before you take off that cap and gown, find out more about ASHRAE's Student Transfer program – 16-40-40. See how staying in ASHRAE will benefit you in your new career.

What is the 16-40-40 student transfer program?

Simply put, it's the best way for ASHRAE student members to continue receiving the many member benefits of ASHRAE after finishing college.

How does it work?

- 1.) The first year out of college annual membership is still only \$16.
- 2.) Then it is only \$40 for the second year and \$40 for the third year.
- 3.) You save up to \$274! and get three years of membership for \$96. (\$16-\$40-\$40)

Save Money. Save Time. Plan Smart.

Autumn Spalding – Southwest Florida Chapter Membership Promotions Chair.

Please see the latest edition of the ASHRAE Membership Promotion Committee newsletter at: http://www.ashrae.org/docLib/20081031_November2008MPNewsletter.pdf

The purpose of this newsletter is to provide local ASHRAE chapters with membership resources, to share ideas and best practices, and to be a communication tool for the Membership Promotion Committee to the local chapters. Please feel free to print this and distribute it at your chapter meeting, or forward it to any interested person in your chapter.

If you had a great event - tell us about it and send pictures! We will feature it in the next newsletter. If you are struggling on something in your chapter, let us know! We will put it in the newsletter and ask for suggestions from other chapters. This newsletter is for and about MP, so we want the chapters to participate with the content! The next newsletter will be available in February 2009. Send your ideas and suggestions to apruett@ashrae.org.



Fellow from page 1

noted that Erbesfeld’s assignment would be beneficial to both groups given Feinstein’s service on the Appropriations Committee, including chairing the Interior, Environment and related agencies subcommittees.

“Michael’s assignment to Sen. Feinstein’s office is critical for ASHRAE and USGBC because of her service on the Appropriations Committee, which has jurisdiction over the funding for federal agencies that impact future research and development in building sciences and regulation of buildings related issues,” he said.

The fellowship runs from September 2008 through August 2009.

ASHRAE Names 14 New Distinguished Lecturers

ATLANTA – ASHRAE has named 14 new Distinguished Lecturers who provide Society chapters with noted authorities who speak on relevant topics that impact the HVAC&R industry.

This marks the 12th year of the Distinguished Lecturer Program. The new lecturers and their areas of expertise are:

- Essam Omar Asem, AFESD, Mishref, Kuwait – Practical Use of Advanced Building Simulation Programs.
- Giovanni Barletta, Emerson Climate Technologies, Barranquilla, Columbia – Good Practices in Start up and Installation of HVAC Systems, Failure Compressor Analysis and Global Tendencies in Energy Efficiency.
- Oswaldo D.S. Bueno, Oswaldo Bueno Engineering and Training, Sao Paulo, Brazil – Cool Green Buildings Introduction, VRF – Variable Refrigerant Flow: Something Old Something New, and Psychrometrics and Low Temperature Storage.
- Jean Bundock, Roche Consulting Group, Quebec, Canada – Commissioning, Re-Commissioning and Retro-Commissioning
- S.K. Chou, PhD., National University of Singapore, Singapore – Developing Building Envelope Thermal Performance Standards for Commercial and Residential Buildings in Tropical Climates, Achieving Energy-Efficient Performance of Non-Residential Buildings and Development of a Micro Portable Power Generator.
- Fabio Clavijo, Tecnaire, Bogota, Columbia – Dehumidification – Basic Concepts, Applied Psychrometrics to Dehumidification Processes, Moisture Loads in Dehumidification Applications, Indoor Air Quality and UVC Technology and Energy in Buildings – an HVAC Perspective for the 21st Century.
- Gary B. Hayden, P.E., gbH Engineering, Norfolk,

ASHRAE Hockey Night

Friday December 12, 2008

Chiller Plant Tour – 5:00 PM *
Refreshments – 6:00 PM
Game Starts – 7:30 PM

Germain Arena
South Carolina Stingrays at Florida
Everblades

Membership RVC Jennifer Isenbec

*** Children under 18 not permitted (Sorry!)**



2008 – 2009 Chapter Officers, Chapter Chairs, Board of Governors

- Va. – LowEx, and Radiant Heating and Cooling.
- Hank Jackson, P.E., ETech Solutions, Weaverville, N.C. – Green Buildings: Help or Hype?, Just Do It! How to Get Started with an Energy Efficiency Survey, Beam Me Up Scottie! Transport Energy: Motors, Fans and Pumps, Introduction to Geothermal Heat Pump Systems and Overcoming Objections to Energy Efficiency Investments.
- Jose Luis Frias Lavalle, DHIMEX, Mexico City, Mexico – Expansion, Pressurization and Control of the Air in Hydronic Systems, Hydraulic Principles, Hydronic Systems, Installation, Operation and Maintenance of Centrifugal Pumps, Potable Hot Water Supply Systems, Selection of Centrifugal Pumps, Thermodynamic Principles of Heat Exchange and Variable Speed Pumping Systems.
- Vasile Minea, Ph.D., Shawinigan, Quebec, Canada – Large Commercial and Institutional Ground-Source Heat Pump Systems, Advanced Supermarket Refrigeration/Heat Recovery Systems, Performance Comparisons of Residential Ground-Source Heat Pump Systems and High Performance

Please see **DL** on page 4



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Air-Conditioning Water Chillers.

- **Michael E. Myers, P.E.**, TLC Engineering for Architecture, Cape Coral, Fla. – Smoke Management Systems – The Basics and Smoke Management Systems – Advanced
- Richard J. Pearson, P.E., Pearson Engineering, Madison, Wis. – Energy Management in New and Existing Buildings: a Sustainable Activity.
- Paul L. Pieper, Venmar CES, St. Leonard D'Aston, Quebec, Canada – Characteristics of High-Performance Schools: Energy and Indoor Environmental Quality, Meeting and Exceeding High- Performance Standards, Codes and Guidelines with Air-to-Air Energy Recovery Systems and Equipment, and Understanding and Evaluating Air-to-Air Energy Recovery Technologies.
- Patrick J. Reynolds, Poolpak, York, Pa. – Natatorium Environmental Control.

The new lecturers will serve a two-year. There are 75 Distinguished Lecturers representing 15 countries for 2008-09. These lecturers are available to present on 326 topics. For a complete listing of Distinguished Lecturers and detailed procedures on how to arrange a lecturer presentation, visit <http://www.ashrae.org/distinguishedlecturers>.

Please help us update the ASHRAE email list

Send email to Kurt Vega at kurt.vega@emerson.com.
Or call 239-693-7200 X 218 or mail to:

Kurt Vega
Emerson Industrial Automation / Control Techniques.
5580 Enterprise Parkway
Fort Myers, FL 33905

Please include the following:

Name: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

Membership # _____

Past Presidents of Southwest Florida Chapter #139

1982 - 1983	Edward O'Neal, P.E.
1983 - 1984	Edward O'Neal, P.E.
1984 - 1985	Dennis Holland
1985 - 1986	Ross Montgomery
1986 - 1987	Jeff Dorini
1987 - 1988	Kermit Rood
1988 - 1989	Bill Malphus
1989 - 1990	Tom Delnay
1990 - 1991	Nelson Tarbox
1991 - 1992	Gary H. Griffin
1992 - 1993	Gary H. Griffin
1993 - 1994	Jeff Zenoniani
1994 - 1995	Lisa A. Duritsch
1995 - 1996	Jason Grabowski
1996 - 1997	James Faulkner
1997 - 1998	Robert Risley
1998 - 1999	Winifred Denius
1999 - 2000	Paul Martin
2000 - 2001	Don Pine
2001 - 2002	Randy Saul
2002 - 2003	Jason Allen
2003 - 2004	Mark Brant, PE
2004 - 2005	Guy Van Meulebrouck
2005 - 2006	John Pennington
2006 - 2007	Kurt Vega
2007 - 2008	Mike Myers



October 9, 2008 Meeting



This Months Topic

Main Program – Standard 180, A New Approach to HVAC System Maintenance

Back Ground:

The recently published ASHRAE, ACCA, ANSI Standard 180 establishes for the first time ever, a minimum acceptable level of performance for HVAC System maintenance. This talk introduces the new standard and explains how it can be valuable to design engineers as well as building owners. After hearing this presentation, attendees will be able to explain how implementation of the new standard coupled with retro-commissioning of a building can save an owner thousands in wasted energy, improve indoor air quality and sustain a satisfactory level of indoor environmental quality.

Guest Speaker: Robert G. Baker, CEO, BBJ Environmental Solutions

Bob is CEO of BBJ Environmental Solutions which manufactures a wide assortment of cleaning and antimicrobial products that improve the hygiene of building interiors, prevent growth and amplification of harmful organisms and help to maintain energy and heat transfer efficiency of Heating Ventilation and Air-conditioning (HVAC) Systems. Mr. Baker also consults with building owners and their service providers on maintenance strategy and management. He has over 25 years of experience in all facets of building operation and maintenance and provides training, building operational support, expert witness and prepares technical reports on both HVAC maintenance and energy efficiency. Bob works throughout the Americas and Asia.

He is an enthusiastic contributor to our industry through several organizations. He is past President of the Indoor Air Quality Association (IAQA). He sits on four ASHRAE Standards and Technical Committees, has written numerous papers & articles and is a regular ASHRAE presenter. He is chair of the ASHRAE/ACCA HVAC Inspection and Maintenance Standards Project Committee (SSPC180) and the Indoor Air Quality committee of the Consumer Specialty Products Association (CSPA). He previously chaired the IICRC S 520 Standard Committee and served on the HVAC Hygiene Standards committees of both ACCA and NADCA. He has been awarded the ASHRAE Distinguished Service Award and is a member of the ASHRAE Standards Committee.

An avid researcher, Bob holds both product and method patents in HVAC/R system cleaning technology and received the IAQA award for product technology for the year 2001. His current research interest is the impact of maintenance of HVAC systems on air quality, system life and energy efficiency.

Bob's undergraduate degree is from Oklahoma State University with an MBA through the Gulf Oil program at Harvard University.



October Meeting Panel Discussion

Left to Right - Gary Griffin, Carmine Rende, Joe Hubner, Dan Parker, Joe Nemeth



Southwest Florida Chapter #139

Meeting dates:

September 11 – Modulating Kitchen Exhaust – YEA and Membership Promotion Night
 October 9 – Panel Discussion – Preventative Maintenance, Joint Meeting with TCSCA
 October 24 – GolftoberFest
 November 13 – Green Maintenance – Robert Baker - Research Promotion Night
 December 12th – Hockey Night and Germain Tour – Membership Promotion Night (RVC Visit)
 January 15 - Don Shirey FSEC, Joint with AIA, Local USGBC Branch
 February 12 - Ruskin – Bob Van Becelaere
 March 12 - Panel Discussion – Balancing VAVs
 April 9 – Drury Crawley
 April – Fishing tournament – Date TBA
 May 14 - ASHRAE President - William Jackson

The Officers

President – Sam Moreland 239.246.3737 sam.moreland@gmail.com
 President-Elect – Randy Munsey (239) 226-1293 randymunsey@burchcorp.com
 Vice President – Lawrin Ellis 239.275.4240 lawrin.ellis@tlc-eng.com
 Secretary – Stacey Perkins 239.275.9420 sperkins@trane.com
 Treasurer – Chuck Spelman (239) 770-2930 cspelman@spelmanengineering.com

The Chairs

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 Membership Promotion – Autumn Spalding (239) 332-4646 aspalding@bandicontractors.com
 Historian – Jason Grabowski (239) 332-4646 jasong@bandicontractors.com
 CTTC - Lawrin Ellis 239.275.4240 lawrin.ellis@tlc-eng.com
 Programs – Jason Hardman (239) 332-4646 jhardman@bandicontractors.com
 Student Activities - Sean Torgerson
 Newsletter – Kurt Vega (239) 464-3762 kurt.vega@emerson.com
 Webmaster – Mike Myers 239.275.4240 erectormik@yahoo.com

Board of Governors:

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 Mike Myers - 239.275.4240 erectormik@yahoo.com
 John Pennington - (941) 627-8881 john@boyd-hvac.com
 Don Pine – (239) 939-4502 dpine@umihvac.com

Golf Tournament Chair

Golf Tournament Chair – Woody Wilson (239) 209-6626 wwilson@tombarrow.com

Website

www.swflashrae.org

Statements made in this publication are not expression of the Society