

ASHRAE MONITOR



www.hamptonroads.ashraechapters.org



Mission Statement

To advance the arts and sciences of heating, ventilation, air conditioning, and refrigerating to serve humanity and promote a sustainable world.

In this Issue:

Page 2:
The President's Pen

Page 3
Pig Roast Sponsors

Page 4:
Speaker Bio

Page 5:
Program Topic

Page 6:
Meeting Fax Back

Page 7:
Meeting Schedule

The Discussion Topic:
The Changing Environment of Building Automation

Date & Time: Thursday, February 12, 2009
Lunch at 11:15 A.M.
Presentation from 12 - 1:00 P.M.

Speaker: William "Bill" Swan

Place: AECOM
448 Viking Drive
Virginia Beach, Virginia 23452

Cost: Members \$15, Guests \$20 & Students \$10

Signup: Noon Deadline, 2-11-09, See pages 4-6 for details

Reservations: R.S.V.P. to Rob Ainsley at
RAinsley@enviromechanicalsales.com
/or/
(757)483-1390

Host an ASHRAE Meeting

Do you have a venue suitable for hosting an ASHRAE meeting? If so, your support would be greatly appreciated. All we ask is the use of the space for the duration of the meeting. We will set up, clean up, and provide the food. If you are interested in donating use of your space, please contact Steve Lowe at 757-306-6748.

Publish an Article about Your Project

Do you have a unique, challenging, or otherwise interesting project that you'd like to share? If so, please send a write-up and photos (if applicable) to PaulB@aceshvac.com. We will include one article per month in the ASHRAE Monitor. Preference will be given to local projects exhibiting sustainable design/construction practices.

*President - Steve Lowe - Stephen.Lowe@aecom.com
President Elect - Gary Hayden - Gary@gbengineering.com
Vice President - Rob Ainsley - RAinsley@enviromechanicalsales.com
Secretary - Paul Butler - PaulB@aceshvac.com
Treasurer - Bill Quinn - BillQ@pace-pme.com*

Chapter cannot act on behalf of the Society.

Committee Participation is Needed and Welcomed

If anyone has an interest in becoming involved with ASHRAE we welcome people to serve in various ways. Please feel free to contact any of the board members to get more information. You can also visit the ASHRAE web site to find out more about getting involved. It is a great way to plug in to your local community of peers and grow personally and professionally. For those of you who have served before, we welcome your participation also. Every effort helps to enrich our local community.

Your Feedback Matters

Are there things that you would like to see happening in ASHRAE? Please feel free to contact us with suggestions for improvement and with ideas on how you would like to see the local ASHRAE chapter change or improve. We welcome and value your feedback. Again, you can contact us utilizing the email addresses on Page 1.

Thanks!

From the Presidents Pen

I don't know about you, but I am eagerly anticipating this month's technical presentation. If you have any sort of interest in HVAC controls, you should try to make it to this meeting. The one and only "BACnet Bill" aka Bill Swan will be speaking to our chapter this month. You can find Bill's bio and a synopsis of his presentation in the newsletter.

Last month we instituted a new procedure at our meetings. We now issue a certificate of attendance to aid our licensed members in the documentation of continuing education units. This action is in response to new requirements Professional License maintenance in the Commonwealth of Virginia. The certificate will double as a receipt for payment of attendance fees.

At our most recent Board of Governors meeting we voted to approve a letter in opposition to proposed new licensing requirements. The letter was issued to all chapters by Society with a recommendation to send it to local licensing authorities. In short, a requirement for 30 credit hours of graduate level study prior to examination is currently under consideration. ASHRAE feels that requiring a Masters Degree is excessive and would detrimentally deplete the industry of Licensed Professionals. I will speak briefly to this point at the upcoming chapter meeting. All members are encouraged to send individual letters to the licensing board as well.

I recently attended my first AHR Expo in the windy city. I know that many of our members have attended this event several times in the past. Perhaps everything is a little bit less amazing to these folks than it was to me. To be perfectly honest, I was blown away by the magnitude of the event. With acres of displays, it was impossible to see it all. To say the least, "green" was the overwhelming theme. There were multitudes of products and systems that I had never heard of, their vendors eager to show how they can save energy or reduce waste. Also, the stalwarts of the industry had placed a clear emphasis on the energy related advantages of their products. Some companies are introducing brand new concepts to the industry while others are resurrecting forgotten technologies of the past. I highly recommend attending this event in the future.

I was reassured to see a high level of enthusiasm at the Expo despite the ongoing financial crisis. Although the economy as a whole is slowing down, I believe that our industry is uniquely positioned to weather the storm and even flourish. The recognition of a finite limit to our natural resources has finally started to enter the public consciousness. As the general public becomes more aware of the human impact on our planet, they will demand more action from our elected officials. This action will inevitably translate into a greater demand for the services that our members provide. No organization provides more technical guidance to improving the performance of our buildings than ASHRAE. We hold the keys to unlock the doors to a greener world.

Sincere Regards,
Steve Lowe, PE, ASHRAE Member



1st Annual



ASHRAE/IFMA Pig Roast Benefit

Proceeds to Fund Energy Improvements
for St. Mary's Home for Disabled Children



Hankins and Anderson Consulting Engineers

CLARK • NEXSEN

Architecture & Engineering



This Month's Lecturer



William (Bill) Swan is a Software Engineer at Alerton/Honeywell and is serving as chair of the BACnet committee, ASHRAE/SSPC 135, from 2004 until 2008. He has been a member of the BACnet committee since 1996 and has served in a number of capacities on the committee.

Mr. Swan is secretary of ISO Technical Committee 205, Working Group 3, "Building Control System Design," which adopted BACnet as ISO Standard 14684-5 as part of its work in establishing an ISO standard protocol for building automation. He is also a member of BACnet International's BACnet Testing Labs working group which is developing and implementing conformance tests for BACnet devices.

Mr. Swan has a Master of Science degree in Electronics Engineering and is an embedded systems engineer. He has implemented communications protocol stacks for BACnet and other protocols, and has designed the electronics and written firmware for devices for the building automation, test & measurement and RF communications industries.



Background:

BACnet has been under active development since June of 1987 when the first meeting of Standard Project Committee (SPC) 135P took place at the ASHRAE Annual Meeting in Nashville, Tennessee. The "P" in "135P" meant that the standard was in the process of being "proposed." Who would have thought that it would take eight and a half years to complete? Of course, there was a large body of skeptics who maintained that it could NEVER be done...

Ira Goldschmidt, a member of the SPC since the early days and now a member of the follow-on SSPC (Standing SPC), recently authored an article that appeared in the Association of Energy Engineers' "Strategic Planning for Energy and the Environment" fall issue called the "[Development of BACnet.](#)" Describing the entire gory process, more or less from the first moments to the present day, this is must reading for anyone interested in how BACnet came to be.

Tutorial Link:

Copy and paste the following link for a BACnet Tutorial

<http://www.bacnet.org/Tutorial/HMN-Overview/sld001.htm>

Lecture Abstract:

The Changing Environment of Building Automation

Energy demand and energy costs are not going down to levels seen in the past. Although the initial impetus for "green buildings" came from concerns over man-made global warming, energy costs will keep driving the need for ever-more energy efficient buildings. The U.S. Green Building Council is revising its LEED standards and drafting new standards. ASHRAE too is revising existing standards, drafting new high-performance standards, and developing "Advanced Energy Design Guides" with an eye to reducing buildings' energy usage. We will look at the role building automation systems, and in particular BACnet, can play in "greening" buildings to the levels in these standards and beyond.

*Go to www.bacnet.org for more information

ASHRAE MONITOR

October 1, 2008 Volume XXII, Issue 2

c/o EnviroMechanical Sales, Inc.
1500 Breezeport Way
Suffolk, VA 23435

ASHRAE MONITOR

To: Hampton Roads Chapter , ASHRAE MEETING
Fax: (757) 483.8916



I Will Be Attending the meeting on Thursday, February 12th, 2009

My e-mail address is _____

For meeting reservations please fax this page to Hampton Roads Chapter, ASHRAE, care of Rob Ainsley at fax number 757.483.8916 or call 757.483.1390.

Email at: *RAinsley@enviromechanicalsales.com*.

Deadline for reservations and cancellations: Wednesday, February 11th at Noon.

Late cancellations and “no shows” will be billed to the appropriate individuals.

Cost: Members \$15.00, Guests \$20.00 and Students – \$10.00

This FAX will confirm my reservation for the luncheon.

This FAX will also confirm the reservations for the following members/guests indicated below:

1. _____ 3. _____

2. _____ 4. _____



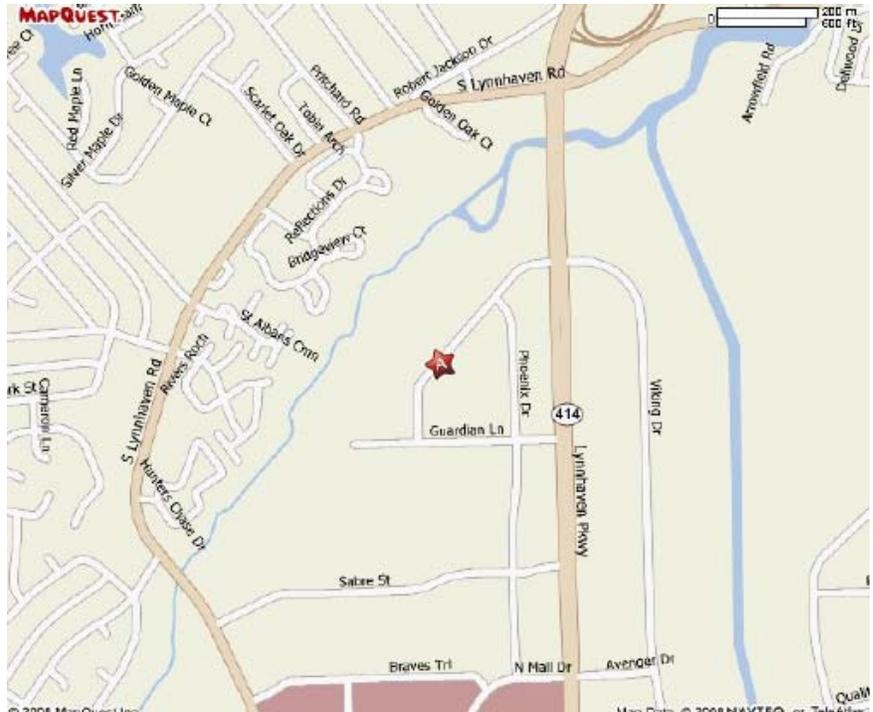
Tuesday March 17th, 2009

8:00 am - 5:00 pm

Ted Constant Convocation Center

http://www.vatpdc.com/pdc/engineering_unplugged

AECOM
448 Viking Drive
Virginia Beach, Virginia 23452



ASHRAE

Committee Chairs

- Membership:** Douglas Henderson
- Student Activities:** Gary Hayden
- Student Advisor (ODU):** Gary Hayden
- Board of Governors:** Joe Hahn, Ben Sablan, Douglas Henderson
- Historian:** Joe Hahn
- Refrigeration:** Open
- Research Promotion:** Forrest Morgan
- Tech Transfer:** Ben Sablan

BACnet Bill Swan February 12, 2009	National Engineers Week 2009 February 15-21
Low X Gary Hayden March 18, 2009	ASHRAE Satellite Broadcast Damuth Trane April 22, 2009
Spring Golf Outing TBD May	Fall Pig Roast TBD
Fall Golf Outing TBD	