



ASHRAE ACTION

ROANOKE CHAPTER NEWSLETTER

(WWW.ASHRAEROANOKE.ORG)

MARCH 2011

MARCH MEETING

PLEASE JOIN US FOR OUR MARCH YEA LUNCH MEETING!



Tuesday, March 8th at Lunch
Blue 5 in Downtown Roanoke
312 2nd Street Roanoke, VA 24011

SPEAKERS:

Calvin Witt

TOPIC:

Leadership and Management Skills

AGENDA:

Doors Open 11:30

Lunch: 11:45 (Cost is \$20)

BUSINESS MEETING AND PROGRAM TO FOLLOW

**RESERVATIONS MUST BE MADE BEFORE NOON
on March 4th**

TO Kyle Longbrake:

E-mail: Kyle.Longbrake@aecom.com

Phone: 540-857-3328

Note the new start time, we will be starting at 11 :45 so we can have our orders in before the regular lunch traffic at Blue 5.

PRESIDENT'S CORNER

FOR THOSE OF YOU WHO ATTENDED THE FEBRUARY MEETING, WE HAD A GREAT PRESENTATION FROM KEVIN MEREDITH AND NICK FULLER ON BIM. AS WE ARE ALL MEETING THE EXPECTATIONS OF OUR CLIENTS MOVING FORWARD, I THINK WE CAN ALL AGREE THAT BIM WILL ONLY BECOME MORE PREVALENT IN OUR INDUSTRY IN THE FUTURE.

IT'S HARD TO BELIEVE THAT WE ARE ALMOST INTO MARCH AND WARM WEATHER HAS BEEN TEMPTING US THE PAST COUPLE OF WEEKS. JUST A REMINDER THAT WE HAVE OUR STUDENT NIGHT MEETING SCHEDULED FOR APRIL 12TH AND DRU CRAWLEY WILL BE PRESENTING (PLEASE PRAY FOR NO SNOW!), AS WELL AS OUR ANNUAL LEW EVANS GOLF TOURNAMENT MAY 13, 2011 AT ASHLEY PLANTATION. ALSO, AS WE DO COME TO THE END OF THE 2010-2011 ASHRAE YEAR, WE ARE ALWAYS LOOKING FOR VOLUNTEER'S TO HELP WITH OUR CHAPTER! IF YOU ARE INTERESTED PLEASE CONTACT ONE OF OUR BOARD MEMBERS.

THIS MONTH WE WILL BE WELCOMING CALVIN WITT, A PAST PRESIDENT OF OUR CHAPTER. AS YOU CAN READ BELOW, CALVIN HAS A WEALTH OF EXPERIENCE IN OUR INDUSTRY AND I ENCOURAGE EVERYONE TO ATTEND!

-PATRICK MURDOCK

MARK YOUR CALENDERS:



April Meeting – April 12th for Dinner
Topic: Standard 189.1 presented by
Distinguished Lecturer Dru Crawley

ASHRAE Webcast – April 21st 1:00-4:00
Topic: Ground Source Heat Pump Systems

Golf Tournament – May 13th at Ashley
Plantation

BOARD OF GOVERNORS MEETING
MARCH 8TH 11:00AM @ BLUE 5

This month is our YEA (Young Engineers in ASHRAE) meeting. We would like to encourage of all of the young engineers in the area to come hear about these important skills for growing in their careers.

SPOTLIGHT ON ... THIS MONTH'S SPEAKER

CALVIN WITT WILL PRESENT THIS MONTH'S PROGRAM ON "*LEADERSHIP AND MANAGEMENT SKILLS*". THIS PRESENTATION IS TARGETED AT THOSE IN THE HVAC AND CONSTRUCTION INDUSTRY WHO ARE EXPECTED TO MANAGE TECHNICAL EFFORT AND LEAD TEAMS. LEADERSHIP AND MANAGEMENT SKILLS NECESSARY TO BE A SUCCESSFUL TECHNICAL LEADER WILL BE PRESENTED INCLUDING COMMUNICATIONS, TEAMWORK, EMPOWERING OTHERS, PLANNING, ORGANIZING, SCHEDULING, PROJECT MONITORING, AND COMMUNICATIONS. SOME USEFUL TOOLS AND TECHNIQUES USED TO PLAN, SCHEDULE, AND MONITOR PROGRESS WILL BE PRESENTED. THE ROLE OF STANDARD PROCEDURES AND THE IMPORTANCE OF QUALITY WILL BE DISCUSSED, AS WELL AS STRATEGIES TO DEAL WITH PROJECTS WHEN THINGS GO WRONG.

CALVIN WAS BORN AND RAISED IN ROANOKE, AND RECEIVED HIS BSME FROM THE UNIVERSITY OF VIRGINIA. HE HAS 33 YEARS OF ENGINEERING EXPERIENCE WITH ARCHITECTURAL-ENGINEERING FIRMS AND IS A REGISTERED PROFESSIONAL ENGINEER. OVER THE COURSE OF HIS CAREER, HE HAS BEEN A MECHANICAL DESIGN ENGINEER, DEPARTMENT HEAD, PROJECT MANAGER, AND IS CURRENTLY A VICE PRESIDENT AND THE BUILDING ENGINEERING MANAGER FOR THE ROANOKE DIVISION OF AECOM. HE IS A PAST PRESIDENT (1987-88) OF THE ROANOKE CHAPTER OF ASHRAE, AND HAS BEEN A MEMBER OF ASHRAE SINCE 1979.

ASHRAE NEWS!

ASHRAE Releases Policy Recommendations for New Congress

ATLANTA – As the 112th Congress gets underway, ASHRAE has provided a potential roadmap for the federal government to use in addressing issues related to energy efficiency and environmental concerns.

"Protecting America's Economy and Conserving Our Environment: The Buildings Answer" provides policy recommendations for the new Congress from the Society. ASHRAE notes that "fueled in part by population growth and the rise in building floorspace, the nation's demand and consumption of energy is expected to grow by 14 percent through 2035. Residential and commercial building energy expenditures accounted for \$445.8 billion in 2008, and lead the way in primary energy use, accounting for approximately 40 percent, ahead of industry (32 percent) and transportation (28 percent)."

"As part of the call for fiscal and environmental conservation, all individuals and stakeholders must work to discover ways to use our financial resources wisely and protect the environment," Lynn G. Bellenger, ASHRAE president, said. "Through innovative design and retrofits, buildings are one of the most cost-effective means of solving the nation's fiscal and energy challenges."

ASHRAE's report provides detailed recommendations on shaping energy policy. The following is a sampling of topical areas and summary recommendations:

- Energy Policy & Climate Change
 - Require posting and annual updates of buildings' energy use
 - Include energy efficiency as a renewable fuel source within renewable standards portfolio
 - Encourage decoupling of utility rates from energy sales
 - Encourage states to implement utility demand-side management programs
 - Provide adequate funding and direction for data collection and analysis of energy use in buildings
 - Support implementation of Smart Grid and micro-grid systems
 - Remove barriers to grid-connection for on-site power generation
 - Require states to adopt commercial building energy codes with ANSI/ASHRAE/IESNA Standard 90.1-2004 as a minimum
- Incentives for Implementing Energy Efficiency
 - Set realistic depreciation schedules for HVAC&R equipment to encourage high-efficiency replacements
 - Ensure adequate planning time in extension or implementation of tax credits/deductions
 - Incentivize widespread use of building commissioning, re-commissioning and retro-commissioning
 - Support implementation of technologies utilizing energy previously deemed as waste heat
 - Encourage ongoing education and training for operations and maintenance personnel and building designers and constructors
- Research and Development to Achieve Energy Goals
 - Make the Business R&D Tax Credit permanent
 - Continue increased funding under the American Competitiveness Initiative
 - Fund research on
 - on-site and off-site renewable energy technologies
 - building technologies for improved indoor environmental quality and energy efficiency
 - building technologies and designs to achieve net-zero energy buildings
 - human factors of building operation, occupancy and energy use
 - characteristics and control of indoor contaminants
 - improving teaching and learning of science, technology, engineering and mathematics (STEM) concepts
- Indoor Air Quality (IAQ)
 - Establish ASHRAE Standards 62.1, 62.2 and 55 as the major national minimum guidelines on indoor air quality (IAQ) and thermal comfort management
 - Support research to significantly advance understanding of the impact of IEQ on work performance, health symptoms and perceived environmental quality in offices
 - Fund research to understand the influences of HVAC&R on airborne pathogen transmission in public spaces and develop effective control strategies
 - Continue government support for IAQ-related education and implementation programs
 - Support research on the intersections between building energy efficiency and IAQ

Federal Agencies as National Leaders Education as a Critical Tool Government-wide Activities to Further Science and Technology

The policy document can be found at www.ashrae.org/advocacy.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

ELECTRONIC NEWSLETTER

Any member with material to submit for inclusion in the monthly newsletter may send the information to:

Kyle Longbrake
10 South Jefferson Street Suite 1600
Roanoke, VA 24011

E-mail: Kyle.Longbrake@aecom.com
Phone: 540.857.3100
Fax: 540.857.3180

This is your newsletter. We welcome your contributions and commentary.

Material can include letters to the editor, member news, upcoming events, comments on chapter programs or issues, etc.

ROANOKE CHAPTER ASHRAE

2010– 2011 OFFICERS AND GOVERNORS

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2010 – 2011 COMMITTEE CHAIRS

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ATTENTION MEMBERS:

INTERESTED IN SAVING MONEY?

STAR CARDS ARE AVAILABLE FOR PURCHASE. PAY NOW AND **SAVE** LATER!

\$50.00 STAR CARD – ADMISSION TO ANY THREE MEETINGS

\$100.00 STAR CARD – ADMISSION TO ANY SIX MEETINGS

WANT TO SAVE EVEN MORE MONEY?

IN SUPPORT OF THE SOCIETY GAME (GREENING ASHRAE MEETINGS AND EXPOSITIONS) PLAN, THE ROANOKE CHAPTER WILL OFFER DISCOUNTS ON MEMBERS WHO CARPOOL OR USE ALTERNATIVE TRANSPORTATION TO ATTEND MEETINGS.

\$2.00 DISCOUNT FOR DRIVING A CARPOOL.

\$1.00 DISCOUNT FOR ANY OF THE FOLLOWING:

- RIDING IN A CARPOOL
- WALKING
- BIKING
- RIDE PUBLIC TRANSPORTATION
- DRIVE HYBRID VEHICLES
- DRIVE ALTERNATIVE FUELED VEHICLES

BE SURE TO LET **RICK HUGHES** KNOW IF YOU QUALIFY FOR THE MEETING DISCOUNT WHEN YOU PAY FOR THE MEETING.