



ASHRAE ACTION

ROANOKE CHAPTER NEWSLETTER

(WWW.ASHRAEROANOKE.ORG)

NOVEMBER 2010

NOVEMBER MEETING

**PLEASE JOIN US FOR A GREAT MEETING AT
PLANTATION CREATION!**

Tuesday, November 9th at LUNCH
Plantation Creations
7342 Plantation Road Roanoke, VA 24019

SPEAKER:

Mr. Kris Kollevoll

TOPIC:

**How to Specify Acoustical
Performance**

AGENDA:

Doors open at 11:45
LUNCH: 12:00 pm (Lunch is \$20)
BUSINESS MEETING AND PROGRAM TO FOLLOW

**RESERVATIONS MUST BE MADE BEFORE NOON
on November 5th**

TO Kyle Longbrake:

E-mail: Kyle.Longbrake@aecom.com
Phone: 540-857-3328

PRESIDENT'S CORNER

WELL FOR THOSE THAT CAME OUT TO THE TOUR OF THE VIRGINIA TECH LOCKER ROOM, I THINK YOU ALL WOULD AGREE WE SAW A GREAT FACILITY. THANK YOU TO RICK HUGHES AND KYLE LONGBRAKE FOR ALL THEIR HELP ORGANIZING THE TOUR AS WELL AS MANY THANKS TO THE VIRGINIA TECH CHAPTER OF ASME FOR A GREAT TURNOUT.

I WOULD ALSO LIKE TO THANK JOHN MANN AND TRAVIS QUESENBERRY FOR TAKING A COUPLE OF MOMENTS TO TALK TO THE STUDENTS ABOUT THEIR CAREER PATHS WITHIN HVAC. THE STUDENTS ALL SEEM TO APPRECIATE THE TOUR AS WELL AS THE FREE PIZZA!

THIS MONTH OUR SPEAKER WILL BE MR. KRIS KOLLEVOLL FROM BRD NOISE AND VIBRATIONAL CONTROL, INC. KRIS'S PRESENTATION WILL FOCUS ON HOW TO SPECIFY ACOUSTICAL PERFORMANCE.

NEXT MONTH'S MEETING WILL BE IN STAUNTON, VA WITH OUR SHENANDOAH SECTION OF THE CHAPTER. DAVE MILLER HAS GRACIOUSLY STEPPED UP TO BE OUR SHENANDOAH SECTION LEADER THIS YEAR AND HAS BEEN WORKING HARD TO FIND A PLACE FOR US TO MEET. MORE DETAILS WILL FOLLOW ABOUT OUR SPEAKER, JULIAN DE BULLET (ASHRAE DISTINGUISHED LECTURER) AS WELL AS OUR MEETING LOCATION FOR THE DECEMBER 14TH ASHRAE MEETING. THIS SHOULD BE A VERY INFORMATIVE MEETING AND A CHANCE TO SEE SOME OF OUR MEMBERS WHO CAN'T MAKE THE TRIP TO ROANOKE ON A MONTHLY BASIS. THANK YOU DAVE FOR ALL YOUR HARD WORK AND WE LOOK FORWARD TO MAKING THE TRIP UP YOUR WAY NEXT MONTH.

-PATRICK MURDOCK

MARK YOUR CALENDERS:



**December Meeting -- December 14th for
Dinner**

**Topic: Future of Refrigerants
Holiday Inn Golf and Conference Center,
Staunton, VA**

**January Meeting -- January 11th for Dinner
Topic: ASHRAE 189.1 presented by ASHRAE
Distinguished Lecturer Dru Crawley**

**BOARD OF GOVERNORS MEETING @ PLANTATION CREATION
NOVEMBER 9TH, 11:30PM**

ASHRAE Directory 2010-2011

½ page Ad - \$125.00

Full Page Ad - \$250.00

*******Directory size will be 5.5" wide x 8.5"
high**

Deadline to submit ad, September 10th

JOB POSTING

CONSTRUCTION INDUSTRY TRADE ASSOCIATION SEEKS PROJECT MANAGER/TECHNICAL SERVICES & RESEARCH ENGINEER.

BE ON THE EDGE OF DEVELOPING SUSTAINABLE ENERGY PRACTICES AND IN ADVANCING NEW EFFICIENCY PRACTICES. PROJECT MANAGER/TECHNICAL SERVICES & RESEARCH ENGINEER WILL HAVE OPPORTUNITY TO SHAPE INDUSTRY STANDARDS AND BE A FORCE WITHIN THE GREEN BUILDING MOVEMENT. RESPONSIBILITIES INCLUDE:

- DEVELOP NEW AND IMPROVE EXISTING SUSTAINABLE CONSTRUCTION STANDARDS
- ASSIST ASSOCIATION MEMBERS REGARDING THEIR TECHNICAL PROJECTS AND GOALS
- REPRESENT ASSOCIATION MEMBERS AT INDUSTRY RELATED EVENTS
- RESPOND TO TECHNICAL INQUIRIES FROM THE BUILDING CONSTRUCTION/DESIGN INDUSTRY
- PRESENT INFORMATION ON TECHNICAL STANDARDS TO VARIOUS INDUSTRY RELATED GROUPS INCLUDING SEMINARS TO LARGE AND SMALL GROUPS AND PROVIDING INDUSTRY STANDARDS UPDATES TO ASSOCIATION COMMITTEES.
- PERFORM OTHER RELATED TASKS AS REQUIRED

CANDIDATES SHOULD BE FAMILIAR WITH THE BUILDING CONSTRUCTION PROCESS FROM BOTH THE CONTRACTOR'S AND DESIGNER'S PERSPECTIVE. KNOWLEDGE SPECIFIC TO HVAC&R OR ARCHITECTURAL SHEET METAL PREFERRED. OTHER DESIRED QUALITIES INCLUDE THE ABILITY TO BE A TEAM PLAYER, SELF MOTIVATED, EXERCISES SOUND JUDGMENT, AND HAS THE ABILITY TO REACT TO CONSTANTLY CHANGING TECHNICAL, BUSINESS, AND POLITICAL ENVIRONMENTS.

CANDIDATES MUST BE PROFICIENT IN ENGLISH AND WITH MICROSOFT OFFICE® PRODUCTS

A DEGREE IN MECHANICAL ENGINEERING IS PREFERRED. OTHER ENGINEERING DEGREES OR EQUIVALENT TECHNICAL EXPERIENCES ARE ALSO ACCEPTABLE.

RESPOND TO P.O. Box 221230, CHANTILLY, VA 20153-1230, ATTN: HUMAN RESOURCES OR JOBS@SMACNA.ORG

ASHRAE NEWS!

ASHRAE Publishes 2010 Editions of Refrigerant Safety Standards

ATLANTA – The 2010 editions of ASHRAE’s major refrigerants-related standards have been published as a package with 14 new refrigerant blends added.

Requirements in ANSI/ASHRAE Standard 34-2010, *Designation and Safety Classification of Refrigerants*, and ANSI/ASHRAE Standard 15-2010, *Safety Standard for Refrigeration System*, complement each other in that Standard 34 describes a shorthand way of naming refrigerants and assigns safety classifications based on toxicity and flammability data, while Standard 15 establishes procedures for operating equipment and systems when using those refrigerants. ASHRAE sells the standards as a set.

Standard 34-2010 combines the 2007 standard and 37 published addenda. Among the key changes incorporated into the 2010 edition are:

- assignment of designations and safety classifications for one new single compound refrigerant and 14 new refrigerant blends
- addition of occupational exposure limits for refrigerants to Tables 1 and 2
- addition of new data and updates of refrigerant concentration limits (RCL) and safety classifications for several existing refrigerants
- addition of an optional 2L subclass to the existing Class 2 flammability classification, which signifies Class 2 refrigerants with a burning velocity less than or equal to 10 cm/s.
- introduction of a modified method of calculating the heat of combustion for refrigerants along with inclusion of an illustrative example of the calculation
- addition of an informative appendix showing an example of the calculation of the acute toxicity exposure limit and refrigerant concentration limit for a refrigerant blend

Changes to Standard 15 include incorporation of nine new addenda. The changes made through these addenda include:

- revision of requirements for terminating relief vent discharge lines
- revision to bring the standard into alignment with UL 984 (Hermetic Refrigerant-Motor Compressors)
- addition of definitions so the standard can better provide for the safety of cascade refrigeration systems
- revision to provide appropriate guidance for the protection of positive displacement compressors when used in cascade refrigeration system configurations
- revision to bring the standard into alignment with Standard 34, by removing Table 1 for “refrigerant quantity limits,” and uniformly using the term “refrigerant concentration limits”

Standard 15-2010 and Standard 34-2010 are sold together. The cost is \$89 (\$75 ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

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.

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 **RIK HUGHES** KNOW IF YOU QUALIFY FOR THE MEETING DISCOUNT WHEN YOU PAY FOR THE MEETING.

ROANOKE CHAPTER ASHRAE

2008– 2009 OFFICERS AND GOVERNORS

		<u>Phone:</u>	<u>Email:</u>
President	Patrick Murdock	540-563-2828	pmurdock@trane.com
Pres.-Elect	Kyle Longbrake	540-857-3100	Kyle.Longbrake@aecom.com
Vice Pres.	Rick Hughes	540-772-2065	rhughes@lpa-inc.com
Treasurer	Rick Hughes	540-772-2065	rhughes@lpa-inc.com
Secretary	Felix Antwi	540-857-3100	Felix.Antwi@aecom.com
Governor	Dan Lieber	540-857-3100	Daniel.Lieber@aecom.com
Governor	Roger Jones	540-890-7114	rjones5632@aol.com
Governor	Patrick Castelvechi	540-857-3100	Patrick.Castelvechi@aecom.com
Governor	Tom Brannen	540-362-0021	TEBrannen@cox.net

2008 – 2009 COMMITTEE CHAIRS

		<u>Phone:</u>	<u>Email:</u>
Shenandoah Section	Dave Miller	540-248-9577	david.miller@mcquay.com
Membership	Alec Groh	540-857-3100	Alec.Groh@aecom.com
Student Activities	Sean Mallahan	540-265-4444	smallahan@hurdandobenchain.com
Technology Transfer	Kyle Longbrake	540-857-3100	Kyle.Longbrake@aecom.com
Historian	Shannon Sweeney	540-772-2065	SSweeney@lpa-inc.com
Research Promotion	Jeff Consroe	540-797-7899	jeff@shellywilliamsco.com
Newsletter	Kyle Longbrake	540-857-3100	Kyle.Longbrake@aecom.com
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AIR GUIDE <ul style="list-style-type: none">Aluminum Grilles, Registers and Diffusers	POOL-PAK <ul style="list-style-type: none">Pool Dehumidification System
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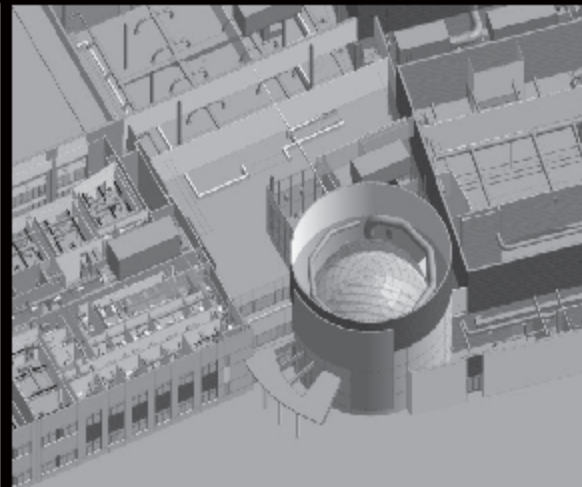


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Quick Facts:

- Over 50 years of engineering experience
- Certified Small Business Enterprise
- 9 Licensed Professional Engineers
- 9 LEED Accredited Professionals
- 1 RCDD
- 1 Certified Energy Manager (CEM)



*New Charles County High School (Est. Open 2013)

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