



ASHRAE ACTION

ROANOKE CHAPTER NEWSLETTER

(WWW.ASHRAEROANOKE.ORG)

FEBRUARY 2011

FEBRUARY MEETING

PLEASE JOIN US FOR OUR FEBRUARY LUNCH MEETING!

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

SPEAKERS:

Kevin Meredith
Nick Fuller

TOPIC:

Building Information Modeling

AGENDA:

Doors Open 11:45
Lunch: 12:00 Noon (Cost is \$20)
BUSINESS MEETING AND PROGRAM TO FOLLOW

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

TO Kyle Longbrake:

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

PRESIDENT'S CORNER

I'M SURE HOPING THAT ALL THIS WINTER WEATHER IS BEHIND AT LEAST ON THE DAY/NIGHT THAT WE HAVE ANOTHER ASHRAE MEETING SCHEDULED. A BIG THANK YOU TO EVERYONE FOR YOUR PATIENCE! WE HAVE RE-SCHEDULE DRU CRAWLEY TO PRESENT AT OUR APRIL 12TH MEETING, WHICH IS ALSO STUDENT NIGHT.

AS MOST OF YOU KNOW, THE AHR EXPO IS THIS WEEK IN LAS VEGAS. I KNOW THERE ARE A HANDFUL OF MEMBERS IN ATTENDANCE REPRESENTING OUR CHAPTER, SO I ENCOURAGE YOU TO TALK WITH THEM AND FIND OUT ABOUT THE LATEST NEW INNOVATIVE PRODUCTS ON THE MARKET.

THIS MONTH WE WILL HAVE KEVIN MEREDITH AND NICK FULLER PRESENTING ON BIM. AS MOST OF YOU ARE EXPERIENCING, OWNER'S ARE NOW ASKING FOR "MORE" WHEN THEY ASK FOR MEP AND ARCHITECTURAL DESIGN. I ENCOURAGE EVERYONE TO COME OUT AND HEAR ABOUT ONE OF THE LATEST TRENDS IN OUR INDUSTRY.

AS WE LOOK FORWARD TO THE REST OF THE 2010-2011 ASHRAE YEAR, PLEASE MARK YOUR CALENDARS FOR OUR ANNUAL LEW EVANS GOLF TOURNAMENT WHICH WILL BE HELD AT ASHLEY PLANTATION AGAIN ON MAY 13TH. THIS IS OUR FUNDRAISER FOR THE (6) SCHOLARSHIPS THAT WE GIVE TO VMI AND VWCC STUDENTS.

-PATRICK MURDOCK

MARK YOUR CALENDERS:



March Meeting -- March 8th for Lunch
Topic: Lead Engineer presented by Calvin Witt

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

Golf Tournament – May 13th at Ashley
Plantation

BOARD OF GOVERNORS MEETING @ TRANE OFFICE
FEBRUARY 1ST, 4:30PM

**INTERESTED IN MORE
INFORMATION ABOUT THIS
MONTH'S TOPIC (BIM)**

**Go to the following website
for a FREE download of the
ASHRAE Building
Information Modeling Guide**
<http://cms.ashrae.biz/bim/>

SPOTLIGHT ON ... THIS MONTH'S SPEAKERS

THIS MONTH PLEASED TO HAVE KEVIN MEREDITH AND NICK FULLER PRESENTING TO US ABOUT BUILDING INFORMATION MODELING.

KEVIN MEREDITH IS ONE OF THE FOUNDERS AND PRESIDENT OF ENGINEERING DESIGN SYSTEMS, INC. IN ROANOKE, VIRGINIA. KEVIN HAS OVER 25 YEARS EXPERIENCE ASSISTING AEC FIRMS IN GETTING THE MOST FROM THEIR INVESTMENTS IN TECHNOLOGY. HE WILL BE SPEAKING ABOUT INDUSTRY TRENDS AND THE BENEFITS OF (BIM) BUILDING INFORMATION MODELING.

NICK FULLER IS AN AEC APPLICATIONS ENGINEER, ALSO WITH ENGINEERING DESIGN SYSTEMS, INC. NICK HAS BEEN IN THE A&E FIELD FOR OVER 13 YEARS AND HAS WORKED AS A DRAFTSMAN, A MECHANICAL DESIGNER, AND A CAD MANAGER. WORKING WITH EDSI HE ASSISTS A&E FIRMS IN THE SOUTHWEST VIRGINIA REGION WITH TRAINING THEIR STAFF AND IMPLEMENTING BIM SOLUTIONS. HE WILL BE GIVING A DEMONSTRATION OF HOW REVIT MEP; A BUILDING INFORMATION MODELING PACKAGE, CAN BE USED TO OBTAIN MORE INTELLIGENT DESIGNS.

ASHRAE NEWS!

GREEN TIPS PROVIDE GUIDANCE FOR GREENING DATA CENTERS: NEW ASHRAE BOOK

ATLANTA – More than 50 percent of the total energy consumption of data centers can be attributed to the power and cooling infrastructure that supports the IT equipment housed in them. Guidance in a new book from ASHRAE aims to help reduce that energy use through proven, easy-to-implement tips.

“Green Tips for Data Centers” identifies techniques for optimizing energy efficiency in existing datacom facilities. Many of the techniques can be implemented through simple operational changes, upgrades or modifications that require a relatively low investment and that cause little disruption to the existing operations of the IT equipment.

“The book has particular relevance right now since there is a significant focus on energy efficiency in data centers,” Don Beaty, co-founder of ASHRAE Technical Committee (TC) 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment, said. “While it is fun and exciting to look at how we can design new data centers to be energy efficient, the fact is that there are many, many existing datacenters in operation.”

Among the 26 tips from the book are:

- Optimize supply air temperatures
- Install monitoring equipment
- Improve lighting efficiency
- Optimize data storage
- Improve transformer efficiencies

“The tips provide insight into practical techniques that have proven successful in other datacom facilities and give owners and operators the confidence to implement similar techniques in their own facilities,” Beaty said.

The book is part of the ASHRAE Datacom Series, developed to provide a more comprehensive treatment of datacom cooling and related subjects. Other books in the series are “Particulate and Gaseous Contamination in Datacom Environments,” “High Density Data Centers – Case Studies and Best Practices,” “Design Considerations for Datacom Equipment Centers,” “Best Practices for Datacom Facility Energy Efficiency,” “Thermal Guidelines for Data Processing Environments,” “Liquid Cooling Guidelines for Datacom Equipment Centers,” “Datacom Equipment Power Trends and Cooling Applications” and “Structural and Vibration Guidelines for Datacom Equipment Centers.”

The cost of *Green Tips for Data Centers* is \$54 (\$46, 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/datacenterefficiency. Bulk discounts are available to individuals, companies and organizations who are interested in purchasing multiple copies.

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:

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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

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