

NEXT MEETING:
MARCH 11, 2008
HOPE YOU CAN JOIN US

March 2008

<http://www.charleston.ashraechapters.org/>

ASHRAE NEWS

The American Society of Heating, Refrigerating and Air-
Conditioning Engineers, Inc.
Charleston "Gee Chee" Chapter Newsletter

Chapter Meeting

Tuesday, March 11th, 2008

Radisson Hotel

B.O.G. 5:30 - 6:30 p.m.
Social 1/2 Hour: 6:30 - 7:00 p.m.
Dinner/Meeting: 7:00 - 8:00 p.m.
Tech. Program: 8:00 - 9:00 p.m.

Cost: \$20.00 per person
+\$5 for the open bar



MEETING SPEAKER

Roger Schmidt
Nomaco K Flex

Roger Schmidt is the marketing manager for Nomaco K Flex of Youngsville, NC, a manufacturer of flexible closed cell foam mechanical insulation products. He has more than 25 years of experience in the flexible foam / insulation industry, mostly in the Technical / Marketing area. He is a member of ASTM, ASHRAE, NIA and NFPA as well as other industry organizations. He has held several committee positions in these organizations including being given the Award of Merit and honorary title of ASTM Fellow. Mr. Schmidt has written several articles on the subject of insulation for below ambient applications. He is a graduate of Valparaiso University; Valparaiso, IN. with a Degree in chemistry. He obtained an MBA from Indiana University.

LECTURE TOPIC:

ENGINEERING INNOVATION

Charleston, SC • Columbia, SC • Charlotte, NC • Raleigh, NC

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Charleston Chapter Website has Been Updated

Check out your Chapter on the ASHRAE Website! Go to ASHRAE Online www.ashrae.org. Under "Take the Shortcut" in the upper right corner, select Chapter List, and then click on Charleston Chapter. It's that easy!



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The President's Corner

I hope everyone had a good time at the Joint Engineers Council Meeting. As we close our 2007-2008 ASHRAE year we have many exciting goals as an organization to accomplish. Our next topic will be on piping insulation at our regular location at the Radisson Hotel in North Charleston starting at 6:30pm. Roger Schmidt is from Nomeco and a very talented speaker and we hope all can attend. Applications and low ambient conditions as well as variable ambient analysis will be discussed in detail. This is important to us because a lot of young engineers are confused about all of the different types of insulation to choose from. Certain applications require varying levels and materials, above/below ground, chilled water/refrigerant, are some of the topics that Roger will go in depth. We hope to see you there. I would also encourage our senior Ashrae members to mentor a younger engineer in your firm. This will pay for itself in no time.

As we look forward this year I would like to thank everyone for all their hard work and dedication to our Ashrae Chapter. We have come a long way since August and still have some major milestones ahead of us. Some of these include:

- Our Golf Tournament in May
- Spouses Night on the Harbor for our June Meeting
- Election and Transition of officers
- Regional Awards and recognition at CRC
- Raising Awareness about Ashrae to our local government

Hope to see you all at our next meeting!

Sincerely,

Phil Garcés
Ashrae President

CTT Corner
By: Gene Brown

In February we had a Joint meeting in observance of Engineers week.

Dr Stephen Jarrett provided an excellent presentation: Innovation and Commercial Integration Challenges.

There is much of the developed technology which people do not know how to apply.

There is a challenge to get the latest technology to the military and a 3 billion dollar bid is nothing to a cell phone company. The old high-frequency system required 10 weeks of training. They found out that FEMA had a system which used windows to automatically make connections.

An infra-red camera can see warm handprints on the wall and can be used in total darkness. The earlier night vision required at least a minute amount of light. The camera was invented and then the military found a use for it.

The key is not knowing everything, it is finding people who have the right knowledge.

Dr Jarrett has 2000 phone numbers and addresses on his phone but he was upstaged by a woman who has pictures with each entry.

Foster a culture of innovation. Invite internal innovation proposals. Conduct brainstorming sessions. Bring in companies with ideas. Visit university laboratories. Make cooperative R & D

agreements. Participate in innovative events. Younger people are more innovative because they haven't learned how things have been done before. Keep a record of your ideas. It is not known how many pages Leonardo da Vinci wrote. There are 15,000 pages of his journal that we have. Many ideas will have to be considered. In one company, 3000 ideas resulted in one project. In the IT industry 6000 ideas typically yield one project.

**CHARLESTON CHAPTER SPRING
GOLF OUTING**



**The spring golf outing is already set for
April 11th at Lake Marion, please mark
your calendars now.**

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BOARD OF GOVERNORS

**BO NUTTING
STEVE MARECK
DENNIS KNIGHT**

NOVEMBER'S MEETING MINUTES



Minutes from November Meeting:

A. Chapter Officer Reports:

1. President (P. Garcés) – Welcome
2. Vice President (R. Turner) – Introduction of Speaker, Mr. David Landry
3. Secretary (P. Conroy) – Begin considering filling positions for next year.
4. Treasurer (L. Schweers) – Financial Report-
5. Region Report (Ira Poston) – No Report

B. Chapter Chair Reports:

1. Membership (C. Hipp) – Highest Delinquency in region for dues, also highest new membership.
2. Student Activities (C. McGartlin) – Scheduling Savannah Meeting
3. Chapter Programs (R. Turner) - No speaker for Feb, Joint engineers Banquet
4. Historian (D. Tomayko) – No report
5. Refrigeration (R. Turner) - No report.
6. Research (D. Knight) – Update of chapter research.
7. TEGA (G. Brown) – No Report
8. Honors & Awards (B. Nutting) – No report

C. Old Business: Nothing to report.

D. New Business: Nothing to report.

CHAPTER COMMITTEE CHAIRS

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The Charleston Chapter
Wall of Honor

(\$100 or more individual donation)

Much of our money comes in through individual donations so please give. We are supporting the Charleston Chapter Wall of Honor again this year.

Can we put your name here?

'07-'08 HONOR ROLL DONORS

Dave Tomayko
Dr. Emad Afifi
Dennis Knight
Randy Jones
Del Laquiere
Steve Marek
Ron Runyon
Pete Conroy
Rob Turner
Phil Garces
Louis Schweers

**THANKS FOR YOUR SUPPORT
OF ASHRAE AND ITS RESEARCH
PROGRAMS!**

**CHARLESTON CHAPTER ANNUAL
PROGRAMS 2007- 2008**

September

Tuesday, September 11th
Program Speaker- Edward Fronapfel, P.E.
Crawl and Structural Wood Floor Design and
Construction

October

Tuesday, October 9th
Chad Martin, P.E.
Design of Geothermal Well Piping

November

Tuesday, November 13th
R. Mark Nunnely, P.E. ASHRAE Distinguished
Lecturer
Humidity Control for Commercial Buildings
Student Activities Emphasis Night!

December

Tuesday, December 11th
Bob Wegmann
Ice Storage
Donor Recognition Night

January

Tuesday, January 8th
Dwight Landry
Noise Control for Mechanical Equipment

February

Tuesday, February 19th
National Engineers Week Banquet
At the Citadel Alumni Center

March

Tuesday, March 11th
Roger Schmidt
Which Piping Insulation do I use?
Research Promotion Night!

April

Tuesday, April 8th
Dave Lall
Spray Foam Properties and Envelope Design
Chapter History Night!

May

Tuesday, May 13th
Julian DeBulet
School HVAC Design
Student Activities Emphasis Night!