



# The Western Palmetto Informer

American Institute of Chemical Engineers

January 2012

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## Contact Information

Visit our website:

<http://wsc.aiche.org>

Email us at:

[sec@wscaiche.org](mailto:sec@wscaiche.org)

## November Meeting Thank You

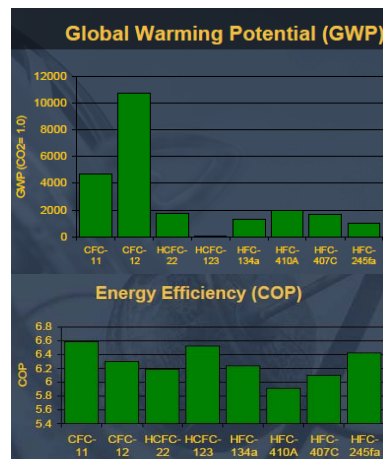
WSCAICHE would like to extend a thank you to Mark S. Benak for his presentation on “A Template-based Approach to Asset Reliability for Preventive Maintenance.”

## NEXT MEETING

### January Meeting: “The Future of Refrigerants”

Impact of global and U.S. regulations on common refrigerants used in HVAC, food, and process applications Phase-out dates for different refrigerants, and alternative refrigerants replacing those phased out Ozone depletion, Global warming, Efficiency, Equipment reliability and safety, Costs Balancing these factors for optimum refrigerant choices for different applications.

Joe Cain, General Sales Manager for Trane - Carolina District where he is a LEED accredited professional and certified energy manger. Prior to his 27 years at Trane, Joe received his B.S. from Vanderbilt University in Mechanical Engineering. He is also a member of ASHRAE.



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## January MEETING SUMMARY

**TITLE:** "The Future of Refrigerants"  
**DATE:** Tuesday, January 10, 2012  
**TIME:** 6:00 PM Social  
6:30 PM Dinner  
7:00 PM Presentation  
**LOCATION:** **Trane Carolinas**  
288 Fairforest Way  
Greenville, SC 29607  
**DIRECTIONS:** I-85S @ Mauldin Road Exit #46C, Turn left onto Mauldin Road, Turn left onto Wenwood Rd, Turn left onto Fairforest Way, Make a U-turn at United Way  
**COST:** TBD - Boxed Lunches

Free to Attend Presentation Only

Please reply to Secretary Alan Vibber at [sec@wscaiche.org](mailto:sec@wscaiche.org) by Friday, January 6<sup>th</sup>, 2012.

Note that the dinner portion of the meeting is not mandatory. Arrive by 7:00 pm if you want to attend the presentation without dinner.

**Only RSVP if you plan to dine with us.**

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### Annual WSCAICHe's \$1000 Clemson Scholarship

Calling all you Clemson Chemical Engineering Seniors and Juniors with projected graduations between August 2012 and May 2013. Fill out the attached scholarship form and email it the section secretary by midnight January 28th to apply for the WSCAICHe \$1000 Clemson Chemical Engineer Scholarship. The award presentation will be made during the February 21st Meeting.

Attached to this month's newsletter is the Clemson Scholarship Application. Instructions can be found on the application form.

## 2011-2012 Calendar of Events

| DATE        | LOCATION              | TOPIC   |
|-------------|-----------------------|---|
| 10 Jan 2012 | Trane Carolinas       | Joe Cain - "The Future of Refrigerants"                     |
| 21 Feb 2012 | Hilton                | Mark Roberts - Topic TBA                                    |
| 13 Mar 2012 | Hilton                | Robbie Hilton - Solar Industry                              |
| Mar 2012    | Carolina First Center | Science Fair Judging for the Greenville County Science Fair |
| 10 Apr 2012 | Bausch & Lomb         | Plant Tour  |
| May 2012    | TBA                   | Social  |

*Active participation in professional societies as well attending our professional and technical presentations count towards Continuing Professional Competency requirements for Licensed Professional Engineers. Upon request, the Section Secretary can provide attendance verifications for this purpose to our members.*

## 2011-2012 Officers and Executive Committee

| POSITION               |                  |                             |               |
|------------------------|------------------|-----------------------------|---------------|
| POSITION               | NAME             | EMAIL                       | PHONE         |
| Chair                  | Don Gurney       | degurney@charter.net        | 864-879-7935  |
| Vice-Chair             | Karl McCaleb     | kmccaleb@bellsouth.net      | 843-858-1182  |
| Secretary              | Alan Vibber      | sec@wscaiche.org            | 864-554-3906  |
| Treasurer              | Mike<br>Thompson | michael.thompson@dayzim.com | N/A           |
| Webmaster              | Eugene Gill      | eugene@eugenegill.com       | 864- 281-8627 |
| Historian              | David Hine       | dhine@fujifilm.com          | 864-993-8235  |
| Former Chair           | Rick Vogel       | rvogel1@hotmail.com         | 864-420-5777  |
| Executive<br>Committee | TBD              | TBD                         | TBD           |
| Executive<br>Committee | TBD              | TBD                         | TBD           |

# WESTERN SOUTH CAROLINA AICHE SECTION SCHOLARSHIP

The Western South Carolina Section of the American Institute of Chemical Engineers is pleased to support the Chemical Engineering program at Clemson University by offering a \$1,000 scholarship. This scholarship is to be awarded to a returning Chemical Engineering student with a projected graduation date between August 2012 and May 2013

The \$1,000 award will be presented at the joint meeting between the Clemson Student Chapter and the Western South Carolina AICHE Section on February 21, 2012.

Applications are available at <http://wsc.aiche.org>. Completed applications are due to the Western South Carolina AICHE Section Secretary at [sec@wscaiche.org](mailto:sec@wscaiche.org) by midnight on January 28, 2012, in PDF or Word format. The Secretary will email reply receipt of application.

Name of Student: \_\_\_\_\_

Student email address: \_\_\_\_\_ Phone: \_\_\_\_\_

Student ID # \_\_\_\_\_ AICHE Student Chapter Member? Yes \_\_\_\_\_ No \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

| Chemical Engineering<br>Courses Completed | Semester Course<br>was completed | Credits | Grade |
|---|----------------------------------|---------|-------|
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |
| _____                                     | _____                            | _____   | _____ |

Calculate the average of *only the courses listed above* to determine your chemical engineering GPA: \_\_\_\_\_

List extracurricular activities and describe special duties (e.g., offices held, etc.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Attach two written essays (250 words maximum per essay, typed):

- 1) Describe your career goals as a chemical engineer.
- 2) Describe (in words that a freshman engineering student could understand) what a practicing chemical engineer does.