



The Western Palmetto Informer

American Institute of Chemical Engineers

January 2013

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Contact Information

Visit our website:

<http://wsc.aiche.org>

Email us at:

sec@wscaiche.org

November Meeting - Thank You

WSCAICHE thanks Tom Moran, executive Director of Fluor's Corporate Risk Group, for his excellent and very informative presentation on Project Risk Management. His presentation discussed the sources of risks, described using a structured approach to risk management, and detailed the importance of turning plans into actions in order to effectively manage risks in order to influence project success.

NEXT MEETING - Tuesday, JANUARY 8, 2013

"Hot Topics in R&D at Milliken & Company"

This is a joint meeting with the Western Carolina Section of the American Chemical Society (ACS).

Milliken & Company is one of the largest privately held textile and chemical companies in the world as well as an international manufacturer of a broad range of chemicals, packaging materials, and textile products, whose rich history of technological innovation has resulted in more than 2,200 patents. A brief overview of some of the ongoing research areas and new products at Milliken, spanning target applications from digital printing of carpet to fiber reinforced composites, will be presented. This will be followed by a more in-depth discussion of some of our recent efforts in creating new flame retarded textiles for protective apparel in both military and civilian work wear applications.

Dr. Keith Keller, is Team Lead, Chemical Technologies at Milliken & Company. Dr. Keller has spent the last five years at Milliken working on chemical related R&D projects. Dr. Keller was educated at the University of Virginia and Furman University. Previously, he was a Postdoctoral Researcher at Vanderbilt University.

January Meeting Information

- TITLE:** "Hot Topics in R&D at Milliken & Company"
Presented by Dr. Dr. Keith Keller, Milliken & Company
- DATE:** TUESDAY January 8, 2013
- TIME:** 6:00 PM Sign-in / Social
6:30 PM Dinner
7:00 PM Presentation
- LOCATION:** Michelin Conference Center (MC2)
517 Michelin Road , Bldg.18
Greenville, SC 29605
- DIRECTIONS:** Best use Google Map for directions to Michelin address listed above. The complex is south of Donaldson Center.

Note that from US25, turn east (left if coming from I-85; right if from I-185) onto Antioch Church Rd. and travel 1.3 miles.

Turn Right onto Michelin Rd. and travel 0.2 miles. MC2 is on the right, but MC2 parking lot is on the left (across the road from MC2).
- COST:** \$10 for Members
\$15 for Non-members
Free to Attend Meeting Only

Please reply by mid-day Thursday, January 3, 2013 to Secretary - Jeremiah Batiste at sec@wscaiche.org.

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.

2012-2013 Calendar of Events

| DATE | LOCATION | TOPIC |
|--------------------|--------------------------------------|---|
| 20 Sep 2012 | McAlister's Square | Importance of Water Quality to the Steam Cycle - Dennis McBride, Fluor, (ASME Joint Meeting) |
| 09 Oct 2012 | Clemson University Madren Center | Filter Types & Specifications for Process Filtration - Drew Willoughby, 3M Purification |
| 13 Nov 2012 | Greenville Hilton | Project & Risk Management - Tom Moran, Fluor, Corporate Risk Group |
| 08 Jan 2013 | Michelin Donaldson Center | "Hot Topics in R&D at Milliken & Company" - Dr. Keith Keller, Milliken & Company (ACS Joint Meeting) |
| 12 Feb 2013 | Greenville Hilton | TBA - Clemson University Provided Speaker |
| 12 Mar 2013 | Greenville Hilton | Automation Trends - Bud Blankenship, Mustang Engineering |
| 19 Mar 2013 | Carolina First Center | Science Fair Judging for the Greenville County Science Fair |
| 30 Apr 2013 | BASF Corporation Seneca SC | Plant Tour |
| 09 May 2013 | Roper Mountain Science Center | Planetarium / Family Social - Valerie Mosher, RMSC Curator of Engineering and Technology |

A Professional Development Hour certificate of (1) credit will be provided for attendees at meetings with technical presentations.

Active participation in professional societies as well attending our professional and technical presentations count towards Continuing Professional Competency requirements for Licensed Professional Engineers.

2012-2013 Officers and Executive Committee

This is YOUR local section of the American Institute of Chemical Engineers. If you have ideas or concerns regarding operation of the WSCAICHe OR if you're a member with a desire to serve, please contact any of the Officers or Executive Committee members listed below.

| POSITION | NAME | EMAIL | PHONE |
|----------------------------|------------------|-------------------------|--------------|
| Chair | Karl McCaleb | Kmccaleb2@bellsouth.net | 843-858-1182 |
| Vice-Chair | Mary Ferris | MaryFerris@charter.net | 864-498-3436 |
| Secretary | Jeremiah Batiste | sec@wscaiche.org | 864-281-4568 |
| Treasurer | Alan Vibber | treasurer@wscaiche.org | 864-554-3906 |
| Webmaster | Eugene Gill | eugene@eugenegill.com | 864-281-8627 |
| Historian | David Hine | dhine@fujifilm.com | 864-993-8235 |
| Former Chair | Don Gurney | degurney@charter.net | 864-879-7935 |
| Executive Committee Member | Rick Vogel | rvogel1@hotmail.com | 864-420-5777 |
| | Mike Thompson | mike.thompson@fluor.com | 864-281-6791 |

Annual WSCAICHe's \$1000 Clemson Scholarship

Calling all you Clemson Chemical Engineering Seniors and Juniors with projected graduations between August 2013 and May 2014. Fill out the attached scholarship form and email it to the section secretary, sec@wscaiche.org, by midnight January 19th to apply for the WSCAICHe \$1000 Clemson Chemical Engineer Scholarship. The award presentation will be made during the February 2013 Meeting.

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

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 2013 and May 2014.

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 12, 2013.

Applications are available at <http://wsc.aiche.org>. Completed applications are due to the Western South Carolina AICHE Section Secretary at sec@wscaiche.org by midnight on January 19, 2013, 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 Courses Completed | Semester Course 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.