



The Western Palmetto Informer

American Institute of Chemical Engineers

February 2012

Volume 11, Issue 5

In This Issue

- Next Meeting:
February 21st
- Greenville County
Science Fair Judging
- AIChE Southern
Regional Student
Conference Judging
- Nominations for 2012-
2013 WSC AIChE
Officers
- 2011-2012 Calendar of
Events
- 2011-2012 Officers and
Executive Committee

Contact Information

Visit our website:

<http://wsc.aiche.org>

Email us at:

sec@wscaiche.org

Page 1 of 4

January Meeting Thank You

The Western South Carolina Section of AIChE would like to thank Joe Cain for presenting an insightful look into the future of refrigerants at Trane Carolinas in Greenville, SC. There was a great overview on where we have been and where we are heading. Although the regulations have been laid out, the new refrigerants and technologies are not all defined. This should prove to be an exciting and challenging task for engineers to come.

NEXT MEETING

February Meeting: "Energy Storage Technologies"

Mankind has been utilizing stored energy in various forms since communities existed, for example, by harnessing solar energy to grow crops, placing boulders atop hills or walls to defend villages, and harvesting ice from lakes for refrigeration. Nowadays, the average person associates energy storage with the batteries that power their iPhone or hybrid electric vehicle, which represents only a small percentage of the global market. On a much larger scale, energy storage is beginning to play a critical role in maintaining our ability to use energy on demand, especially with intermittent and renewable sources, such as wind and solar. The purpose of this presentation is to survey the various mature and emerging energy storage technologies (chemical, mechanical, electrical, potential, etc.) and how these systems may integrate within the future landscape of energy.

Mark Roberts, an Assistant Professor in Chemical and Biomolecular Engineering at Clemson University. He earned his BS degree at Montana State University and his MS and PhD degrees at Stanford University, all in Chemical Engineering. Prior to his appointment at Clemson, he worked at Sandia National Laboratories, a Department of Energy facility, on investigating new materials and processes to address an array of challenges related to energy generation and storage. His current research is focused on developing functional polymers and films for electrical energy storage systems to support renewable energy sources.

FEBRUARY MEETING SUMMARY

TITLE: "Energy Storage Technologies"
DATE: Tuesday, February 21, 2012
TIME: 6:00 PM Social
6:30 PM Dinner
7:00 PM Presentation
LOCATION: **Hilton, Greenville**
45 West Orchard Park Drive
Greenville, SC 29615-3548
DIRECTIONS: I-385 @ Haywood Road Exit #39
COST: \$10 for Members
\$15 for Non-members
Free to Attend Presentation Only

Please reply to Secretary Alan Vibber at sec@wscaiche.org by Friday, February 17th, 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.

AIChE Southern Regional Student Conference

The Clemson University AIChE student chapter is hosting the AIChE Southern Regional Student Conference on the Clemson campus from March 30 to April 1, 2012. They anticipate upwards of 500 attendees from approximately 30 chemical engineering departments in the Southeast. We have been asked to support by providing judges. For those interested in judging or more information please contact Alan Vibber at sec@wscaiche.org.

Greenville County Science Fair

The WSC AIChE is proud to support the Greenville County Science Fair. This year we are awarding three \$50 special awards to junior projects and one \$50 special award to a senior project, in addition to donating \$100 for a bronze level fair sponsorship. In addition donating the prize money, the WSAIChE also supports in the judging process.

Please contact Mike Thompson at michael.thompson@dayzim.com if you would like to participate as a judge.

The science fair will be held March 27/28 at the TD Convention Center.

Officer Nominations Needed

Feel a NEED TO SERVE and HELP OTHERS? Consider becoming a WSCAICHe Officer! Due date for Officer Nominations will be at the April Plant Tour and elections complete by the May Social. Feel free to nominate yourself. All nominations are to be sent to the WSCAICHe Secretary at sec@wscaiche.org.

You may nominate the following positions:

- Chair
- Vice-Chair
- Treasurer
- Secretary
- Webmaster
- Historian

2011-2012 Calendar of Events

DATE	LOCATION	TOPIC
21 Feb 2012	Hilton	Mark Roberts - Energy Storage Technologies
13 Mar 2012	Hilton	Robbie Hilton - Solar Industry
27/28 Mar 2012	TD Convention Center	Science Fair Judging for the Greenville County Science Fair
30 Mar 2012 to 1 Apr 2012	Clemson University	Judging at the AICHe Southern Regional Student Conference
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	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 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 Committee	TBD	TBD	TBD
Executive Committee	TBD	TBD	TBD