



# The Western Palmetto Informer

American Institute of Chemical Engineers

March 2012

Volume 11, Issue 6

## In This Issue

- Next Meeting: March 13<sup>th</sup>
- AICHE Southern Regional Student Conference Judging
- Greenville County Science Fair Judging
- Nominations for 2012-2013 WSC AICHE Officers
- 2011-2012 Calendar of Events
- 2011-2012 Officers and Executive Committee

## Contact Information

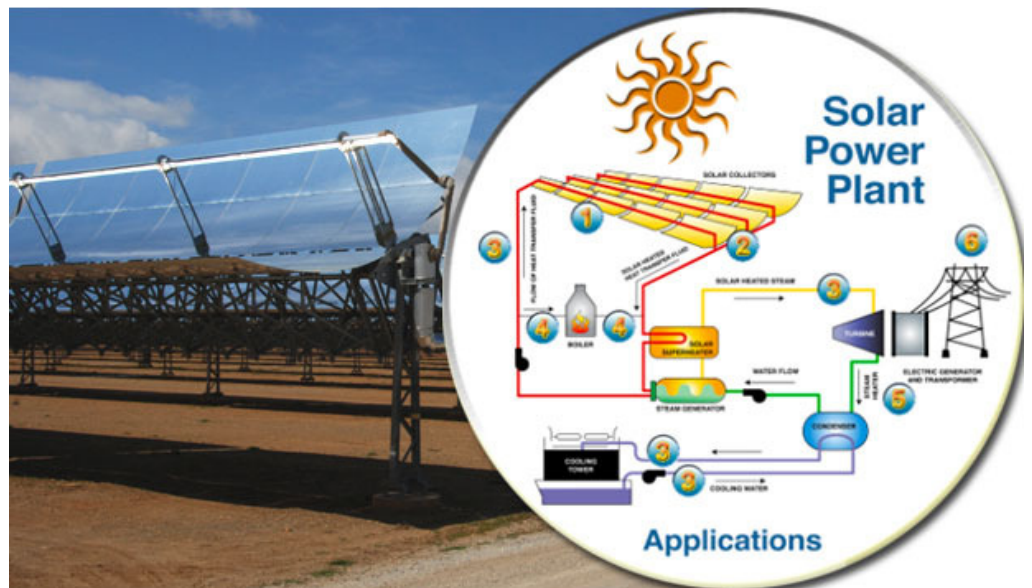
Visit our website:  
<http://wsc.aiche.org>  
Email us at:  
[sec@wscaiche.org](mailto:sec@wscaiche.org)

## February Meeting Thank You

WSCAICHE would like to extend a thank you to Clemson University Assistant Professor in Chemical and Biomolecular Engineering, Mark Roberts, for his presentation on “Energy Storage Technologies.” The challenges we face in maintaining our ability of having energy on demand will make for an exciting future in engineering.

## NEXT MEETING on Tuesday March 13th

### “Flexible Products Applied to the Solar Industry and Other Major Industries”



The use of Flexible Products in the growing Renewable Energy market especially, the Solar Industry, as well as, applications to other industry applications will be discussed. Applications to the Electrical, Turbine, Valve, Medical, Aerospace and Automotive markets will be reviewed.

The American BOA manufacturing facility is based in Cumming, Georgia, and is a subsidiary of BOA BKT GmbH. The BOA group consists of 20 subsidiaries and other major shareholdings across the world. American BOA designs, manufactures and markets products where flexibility, thermal growth or vibrations are the primary concern. Primary products manufactured include: Flexible Metal Hoses, Cryogenic & Vacuum Connectors, Engine Exhaust Bellows, Metal Bellows Expansion Joints, Automotive Decoupling Joints, Instrument Bellows and Specialized Fabrications.

Robbie Hilton, P.E., Bellows Product Manager for American BOA in Cumming, GA. He is responsible for new product development, engineering and customer service. His experience with flexible solutions includes eleven years of diverse experience. Robbie received his B.S. in Mechanical Engineering from Auburn University. He is a licensed Professional Engineer in Georgia.

You can learn more about American BOA at [www.americanboa.com](http://www.americanboa.com).

---

## March Meeting Summary

<b>TITLE:</b>	<b>“Flexible Products Applied to the Solar Industry and Other Major Industries”</b>
<b>DATE:</b>	<b>Tuesday, March 13, 2012</b>
<b>TIME:</b>	6:00 PM Social 6:30 PM Dinner 7:00 PM Presentation
<b>LOCATION:</b>	<b>Hilton, Greenville</b> 45 West Orchard Park Drive Greenville, SC 29615-3548
<b>DIRECTIONS:</b>	I-385 @ Haywood Road Exit #39
<b>COST:</b>	\$10 for Members \$15 for Non-members Free to Attend Presentation Only

**Please reply to Secretary Alan Vibber at [sec@wscaiche.org](mailto:sec@wscaiche.org) by Friday, March 9<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.**

## 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.

There are three events for judging. These will all be held on Saturday March 31st from 9-11:45 AM at the Madren Conference Center in Clemson. Judges are asked to arrive at 7:30 and will be provided with breakfast and lunch on Saturday. If you wish to stay for the rest of the conference, there will be a \$40 fee (reduced from the normal \$75) and you are asked to register via their website ([http://caeff.ces.clemson.edu/aiche\\_register/index.php](http://caeff.ces.clemson.edu/aiche_register/index.php)). At the time of registration, you will be charged the full \$75, of which you will be reimbursed \$35 at the conference.

Below is an overview of each event:

-The paper competition gives undergraduate students an opportunity to present papers they have published on their research. These papers are presented to a panel of judges, who grade the papers according to a supplied rubric.

-The poster competition has posters set up throughout a room for the judges to peruse and the presenters present and available for a 5-10 minute informal presentation at the judges' leisure. The focus is on the poster, but the presenter should be able to supplement the material verbally.

-Chem E car posters show specifications and test results of student-designed cars and are presented to judges. These posters must receive a specific score in order to allow the teams to continue to the performance round, which is a test of the car to perform a specified task. The set-up and presentation is similar to the poster competition.

For those interested in judging or more information please contact Alan Vibber at [sec@wscaiche.org](mailto: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. We are also donating \$100 for a bronze level science fair sponsorship. In addition donating the prize and sponsorship money, the WSC AIChE also supports in the judging process.

The judging for the fair is just one night, Tuesday, March 27th at the TD Convention Center. Dinner is provided to all judges. Arrival time is 5:00 p.m. for dinner with special awards judging beginning around 5:30 p.m.

Please contact Mike Thompson of WSC AIChE at [michael.thompson@dayzim.com](mailto:michael.thompson@dayzim.com) if you would like to participate as a judge. If you have questions concerning the Science Fair, you may contact Lisa Phillips, Coordinator of the Science Fair, Summer Science and Special Projects at the Roper Mountain Science Center, at 864-355-8925 or [liphilli@greenville.k12.sc.us](mailto:liphilli@greenville.k12.sc.us).

---

## Officer Nominations Needed for 2012 - 2013

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](mailto:sec@wscaiche.org).

You may nominate the following positions:

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

## 2011-2012 Calendar of Events

DATE	LOCATION	TOPIC
Tue 13 Mar 2012	Hilton	Robbie Hilton - Solar Industry
Tue 27 Mar 2012	TD Convention Center	Judging for the Greenville County Science Fair
Sat 31 Mar 2012	Clemson University @ The Madren Center	Judging for the AIChE Southern Regional Student Conference
Thur 12 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