



The Western Palmetto Informer

American Institute of Chemical Engineers

February 2013

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Contact Information

Visit our website:

<http://wsc.aiche.org>

Email us at:

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January Meeting - Thank You

WSCAICHE thanks the Western Carolina Section of the American Chemical Society (ACS) for hosting our combined meeting with them in January. The meeting was held at Michelin's Conference Center (MC2) at Michelin's Plant just south of Donaldson Center. Dr. Keith Keller, Team Lead, Chemical Technologies at Milliken & Company provided an excellent 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.

NEXT MEETING - Tuesday, FEBRUARY 12, 2013

"Creating Resistant Oxidation and Reduction Catalysts by Tuning Electronic Structure"

This is a joint meeting with the Clemson student section of AIChE. Clemson University's Assistant Professor, Rachel B. Getman, Ph.D., will be presenting a talk on "Creating Resistant Oxidation and Reduction Catalysts by Tuning Electronic Structure".

Dr. Rachel B. Getman started her appointment in the Chemical and Biomolecular Engineering Department at Clemson University in the Fall of 2011. She presently advises two graduate students and six undergraduates. Her group uses quantum and classical mechanical methods to study molecular level phenomena, with particular emphasis on understanding catalytic processes. Dr. Getman's special interest is in how reactive environments influence catalytic properties and catalyst activity, and she is presently working on determining catalyst composition under actual reaction conditions and creating materials that resist deactivation under strongly reactive environments.

February Meeting Information

- TITLE:** "Creating Resistant Oxidation and Reduction Catalysts by Tuning Electronic Structure"
Presented by Dr. Rachel B. Getman, Ph.D., Assistant Professor, Clemson University, Department of Chemical and Biomolecular Engineering
- DATE:** TUESDAY February 12, 2013
- TIME:** 6:00 PM Sign-in / Social
6:30 PM Dinner
7:00 PM Presentation
- LOCATION:** Hilton Greenville Hotel
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 Meeting Only

Please reply by mid-day Thursday, February 7th, 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.

Annual WSCAICHe's \$1000 Clemson Scholarship

We had four scholarship applications submitted this year. The award will be made at the February meeting. Thank you to those who submitted your applications.

2012-2013 Calendar of Events

February 2013

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	"Creating Resistant Oxidation and Reduction Catalysts by Tuning Electronic Structure" Presented by Dr. Rachel B. Getman, Ph.D.
12 Mar 2013	Greenville Hilton	"Overview of the HELCO Gas Turbine power plant project upgrade for Hawaii Electric Light Co, Inc., Keahole Plant" - 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
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