



The Western Palmetto Informer

American Institute of Chemical Engineers

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Contact Information

Visit our website:
www.aiche.org/wsc

Email us at:
sec@wscaiche.org

February Meeting Thank You and Congratulations

WSCAICHE would like to extend a thank you to Clemson University's Assistant Professor, Dr. Joseph K. Scott, for his informative presentation on "Advanced Simulation and Optimization Techniques for Process and Energy Systems Engineering."

Also, congratulations to Seth Elliott, this year's recipient of WSCAICHE's \$1000 Clemson scholarship!



Clemson Scholarship recipient Seth Elliott, pictured with WSCAICHE Chair Mary Ferris at the February meeting.

March 10, 2015 Meeting

The Role of Chemical Engineers in Oil Analysis

Paul D. Dunbar, O'Neal Inc.

Machine Maintenance is a yearly Multi-Billion Dollar expense for industry and the military. The use of Oil Analysis Tools have been proved to save billions of these dollars.

Oil Analysis combines chemistry, engineering, material science, and statistics to save companies on maintenance costs. Oil Analysis is a subset of Conditioned Based Maintenance (CBM).

Chemical and Mechanical Engineers play significant leadership roles in Oil Analysis. This talk focuses on the basis of oil analysis and the applications for industry and the military.

Paul is currently part of the Chemical Process Design Team at O'Neal Inc. in Greenville, SC.

Paul Dunbar grew up on a farm in the Memphis, Tennessee area and graduated from Briarcrest Christian School in 1981. He has B.S., M.S., and Ph.D (93) in Chemical Engineering from the University of Tennessee in Knoxville. He is a licensed Professional Chemical and Environmental Engineer in 10 states. He has been a member of AIChE for 30 years. The main part of his graduate research involved the development of biosensors at the Center for Environmental Biotechnology. Paul has a mix of industrial and academic appointments. He has worked for The Boeing Company in Huntsville, AL, General Motors R&D in Warren, MI, the US Army at Redstone Arsenal, Christian Brothers University, and the University of Kentucky. Paul has practiced engineering at Allen & Hoshall, Ensafe, 5H Technologies, Apex Engineering, and Southern Synergy. Paul has a strong interest in relief valve sizing and evaluations.

Paul has been blessed to be married to Kathy King Dunbar for the past 26 years. They have four children ages 23, 21, 16, and 13.

March 10, 2015 - Dinner Details:

We will once again be enjoying a meal with a varied menu from Stax Grill. Please come early to place your menu order, as we will be starting the presentation promptly at 7:00PM. \$10 for members, \$15 for non-members and guests.

**Please RSVP (with meal choice)
by 5PM - Friday, March 6, 2015**

Email the Secretary at sec@wscaiche.org, or use our Facebook Event - [March 10, 2015 Meeting](#)

Dinner Menu Options at Stax

Include your dinner menu selection in your RSVP!

Top Sirloin Steak
Broiled Fresh Salmon
Mediterranean Chicken
Stuffed Flounder
Tea/Water included

Dessert/drinks may be ordered on an individual basis

Milliken Plant Tour RSVPs

If you are planning on attending the Milliken Plant tour on April 14, 2015, please RSVP at your earliest convenience. Milliken needs a list of those attending ahead of time to screen attendees.

Please click [here](#) to sign up using the google doc.

If unable to sign up using the google doc, please RSVP by emailing the WSCAICHe Secretary at sec@wscaiche.org.

Chemistry Matters Event at Roper Mountain Science Center

2-3 volunteers are needed to staff a hands-on activity for visitors at Roper Mountain Science Center's Chemistry Matters event on Saturday, April 11, 2015. Please contact Valerie Mosher at RMSC if interested:

Valerie Mosher · O: 864-355-8912 · C: 864-238-9119 ·
vmosher@greenville.k12.sc.us

May Social Survey

Please follow the link to fill out a survey on your preference for our May Social: <https://www.surveymonkey.com/s/MB36GYW>

2015-2016 WSCAICHe Officer Nominations

Feel a NEED TO SERVE and HELP OTHERS?

Consider becoming a WSCAICHe Officer! Due date for Officer Nominations will be at the Milliken Plant Tour on April 14, 2015, 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 for the following positions:

- Chair
- Vice-Chair
- Treasurer
- Secretary

March Meeting Information

TITLE: The Role of Chemical Engineers in Oil Analysis

DATE: Tuesday, March 10, 2015

TIME: 6:00 PM Social, 6:30 PM Dinner
7:00 PM Presentation

Note NEW Stax Grill

LOCATION: 850 Woods Crossing Road, Greenville, SC 29601
864-288-5546
Stax Grill Website: www.staxsgrill.com

DIRECTIONS: From I-385N, take exit #39 for Haywood Road
Turn left (S) on Haywood Rd,
Turn left at 4th light (BK and BB&T on right)
Pass the Jason's Deli and turn right into parking lot
Stax Grill is to the left on the SE corner of the

COST: \$10 for Members, \$15 for Non-members
Free to Attend Presentation Only

2014-2015 Officers and Executive Committee

This is YOUR local section of the American Institute of Chemical Engineers.
If you are a member with a desire to serve, please contact any of the Officers or
Executive Committee members listed below.

POSITION	NAME	EMAIL	PHONE
Chair	Mary Ferris	MaryFerris@charter.net	864-498-3436
Vice-Chair	Conny Walker	VChair@wscaiche.org	864-483-2920
Secretary	Heather Snyder	sec@wscaiche.org	864-434-0799
Treasurer	Jacob Lindler	jllindler@yahoo.com	704-689-3880
Webmaster	Kayla Murdaugh	kdmurda@g.clemson.edu	843-908-1707
Historian	David Hine	dhine@fujifilm.com	864-993-8235
Former Chair	Rick Vogel	rvogel1@hotmail.com	864-420-5777
Executive Committee Members	Don Gurney	degurney@charter.net	864-879-7935
	Karl McCaleb	Kmccaleb2@bellsouth.net	843-858-1182

2014-2015 Calendar of Events

DATE	LOCATION	TOPIC
10 Mar 2015	Stax Grill, Greenville, SC	The Role of Chemical Engineers in Oil Analysis - Paul Dunbar
11 Apr 2015	Roper Mountain Science Center, Greenville, SC	Staffing hands-on activity at their Chemistry Matters Second Saturday event
14 Apr 2015	Inman, SC	Plant Tour - Milliken
Apr 2015	Moore, SC	Tentative Plant Tour - Fowler Associates, Inc.
May 2015	TBD	May Social