



The Western Palmetto Informer

American Institute of Chemical Engineers

November 2014

Volume 14, Issue 3

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Contact Information

Visit our website:

www.aiche.org/wsc

Email us at:

sec@wscaiche.org

Statistical Process Control

Process Monitoring and Real-Time Applications

This month we welcome Frank Tappen, director of North American sales for DataNet. Frank is a Certified Quality Engineer, Certified Quality Auditor, a Six Sigma Black Belt through the ASQ, and holds a computer science degree from the University of Michigan.

This presentation will provide attendees with an understanding of how real-time statistical process control (SPC) software can be used to improve product quality, reduce process variation, and optimize manufacturing processes when process data is collected directly from the shop floor and transformed into real-time, actionable quality information. Examples will be given on how to increase manufacturing profitability, improve product and process quality, reduce waste, scrap, and rework, minimize variation thereby improving overall customer satisfaction and the ability to consistently meet regulatory requirements. Frank will also demonstrate how specific real-time SPC software enables auditability across your process, is FDA 21 CFR 11 compliant, and enables you to cost-effectively meet ISO, TS, FDA and USDA requirements.

This presentation will be delivered remotely and will be hosted by Rick Vogel, Executive Committee Member and past Chairman of the WSC AIChE.

Dinner Details:

We will once again be enjoying a meal with a varied menu from Stax Grill. Please place your menu order with your RSVP so your meal will be ready at 6:30PM. The presentation will start at 7:00PM. \$10 for members, \$15 for non-members and guests.

Please RSVP by 5PM - Friday, November 7, 2014

November 2014

Dinner Menu Options at Stax

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

Dessert/drinks may be ordered on an individual basis
Note your menu choice with RSVP to receive meal by 6:30PM

Reminder!

No meeting in December! But plan to join us again at Stax Grill on
January 13, 2015

Thank-you!

Thank-you to our speaker Lee Rich of Fulcrum BioEnergy for his update on
the process for bio-diesel production from solid waste.



Thank-you also to Curt Hall for his informative brief on retirement
planning.



NOVEMBER Meeting Information

TITLE: Statistical Process Control

DATE: Tuesday, November 11, 2014

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

Note NEW Stax Grill

LOCATION: Woods Crossing Road, Greenville, SC 29601
864-288-5546
[Stax Grill Website: www.staxsgrill.com](http://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 shops.

COST: \$10 for Members, \$15 for Non-members
Include Menu Entrée choice with RSVP
Free to Attend Presentation Only

2014-2015 Calendar of Events

DATE	LOCATION	TOPIC
11 Nov 2014	Stax Grill	Statistical Process Control Frank Tappen, Datanet QS
13 Jan 2015	TBD	PSM Reprise – Bruce Stevens, AMEC
10 Feb 2015	TBD	Joint Meeting with the Clemson Student Chapter
10 Mar 2015	Greenville, SC	Michelin Training Center
Mar 2015	Greenville, SC	Science Fair Judging for the Greenville County Science Fair CANCELLED: See note on page 4
Apr 2015	Inman, SC	Plant Tour – Milliken
May 2015	TBD	Family Social

2014-2015 Officers and Executive Committee

This is YOUR local section of the American Institute of Chemical Engineers.

If you are member with a desire to serve, please contact any of the Officers or Executive Committee members listed below.

POSITION	NAME	EMAIL	PHONE
Chair	Alan Vibber	alan@vibber.com	864-554-3906
Vice-Chair	Mary Ferris	MaryFerris@charter.net	864-498-3436
Secretary	Conny Walker	sec@wscaiche.org	864-483-2920
Treasurer	Jacob Lindler	jllindler@yahoo.com	704-689-3880
Webmaster	Jacob Lindler	jllindler@yahoo.com	704-689-3880
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

Clemson Scholarship Support to Continue

The Executive Committee has again agreed to support a single student enrolled in Clemson's Chemical and Biomolecular Engineering program with a \$1,000 scholarship. The application is attached to this newsletter.

Science & Engineering Fair Support

Representatives from the Greenville County School District and Roper Mountain Science Center have determined that, due to limited school participation and excessive state curriculum demands on teachers, it is not in the best interest of the school district to host a regional science fair for middle and high school students this year. Please contact Chris Burras at cburras@greenville.sc.us for further clarification.

WSC Support of Local Organizations and Job Market

Officers of your local chapter are discussing the role we can play in informing local chapter members of job opportunities and career related events in the upstate. Please contact any officer if you would like to weigh in on this discussion.

WESTERN SOUTH CAROLINA AICHE SECTION SCHOLARSHIP

The Western South Carolina Section of the American Institute of Chemical Engineers is pleased to support the Chemical and Biomolecular Engineering program at Clemson University by offering a \$1,000 scholarship. This scholarship is to be awarded to a returning Chemical and Biomolecular Engineering student with a projected graduation date between August 2015 and May 2016.

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 10, 2015.

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 noon on January 18, 2015, 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* 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.