



American Institute of Chemical Engineers

The Western Palmetto Informer

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Contact Information

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Message from the Chair

The first thing I need to do is to thank Scott Brotherton who presented “The Ortec Story,” providing insight into the great American success story that is Ortec, Inc. and a glimpse of the tolling world. I’d also like to thank Annie Buck and Ryan Grimaldi from the student section who made the meeting go very smoothly. It’s always a pleasure to get to visit Clemson’s ChE Department and we appreciate their hospitality.

Welcome to November, the season of Thanksgiving. The old adage “when you’re up to your butt in alligators it’s hard to remember the original intent was to drain the swamp” applies to gratitude and thanksgiving. As chemical engineers, we have a lot to be thankful for, and we need to make time to pause and be thankful. We get to work in a dynamic industry that has had enormous impact on the good of mankind. Clearly the industry has had its mistakes that have not been good for mankind, but it’s largely been chemical engineers cleaning up legacy messes and learning how to prevent their repetition. Statistics show chemical engineers consistently experience among the lowest unemployment and highest compensation among engineers. We’ve been a big part of advancements in agriculture, medicine, transportation, housing, energy, textiles, and sanitation; it’s a wonderful gift to be a part of that. I was advised by my father, many years ago, to try to leave things better than I found them. This profession has given me numerous opportunities to do just that. As professionals, we need to find ways to inspire the next generation to capture this vision.

Chemists are very much our comrades in arms in these endeavors. One of my close chemist friends used to tease me that after he

made the first milligram of a new compound, it was all just an engineering problem after that. I worked closely with excellent chemists over the years, and we found that working together from beginning to end, the first milligram to the first ton, produced the best results with the fewest problems. Every year we meet jointly with our local American Chemical Society section in November to try to get to know them better and perhaps inspire a few friendships. On November 7th, we are going to meet with them at Tracy Gaines Auditorium, Spartanburg Community College, to hear Dr. Gary Guillet, from Furman University speak on synthesizing multinuclear iron complexes and Extended Metal Atom Chain Complexes (EMACs). I look forward to seeing you there.

Bill Thompson, Chair, WSC AIChE

NEXT MEETING - November 7, 2023

Complexes with M-M bonds: Mirror, Mirror on the wall, who's the ferrous of them all? - By Dr. Gary Guillet.

The November meeting will be in partnership with the local American Chemical Society group (ACS). The Western Carolinas ACS local section has graciously provided the speaker and coordinated the location.

Dr. Gary Guillet, of Furman University, will be giving a presentation on direct metal to metal bonding, specifically Extended Metal Atom Chain Complexes (EMACs) and the work his group has done with the first triiron EMAC containing three 2,6-bis(trimethylsilylamido)pyridine Ligands ($L^{Me,2-}$), supporting three ferrous ions with short Fe-Fe contacts (Fe_3L^{Me3}).

For additional information on the topic, please refer to the ACS homepage [HERE](#).

You can learn more about Dr. Guillet and his research [HERE](#).

Meeting Information

TITLE:	Complexes with M-M bonds: Mirror, Mirror on the wall, who's the ferrous of them all?
DATE:	Tuesday, November 7th, 2023
Event timing:	5:00 PM Social 6:00 PM Dinner 7:00 PM Presentation

LOCATION (in-person event):	Tracy Gaines Auditorium, Spartanburg Community College. 131 Community College Drive, Spartanburg, SC 29303
LOCATION (virtual event):	Due to scheduling conflicts. There will not be a virtual event for this meeting.
COST	\$10 per person.
RSVP by 10/31/23	RSVP HERE if you plan to join us for dinner.

RSVP [\[HERE\]](#) - by October 31st if you plan to join us for dinner.

Opportunities to Assist

We welcome your participation on any level in this organization. Several committee positions are open, and this year's officers will gladly mentor members who would consider holding officer positions next year. If interested, please reach out to any of the wscaiche.org email addresses below.

2023-2024 Officers and Executive Committee

POSITION	NAME	COMPANY	E-MAIL
Chair	Bill Thompson	Ortec	bthompson@ortecinc.com chair@wscaiche.org
Vice-Chair	James Young	Fluor	James.H.Young@fluor.com vchair@wscaiche.org
Secretary	Devon Clymer	Jacobs	Devon.clymer@jacobs.com sec@wscaiche.org
Treasurer	Kevin Pait		kipait100@gmail.com treasurer@wscaiche.org
Former Chair	Conny Walker	Independent	connyw@earthlink.net
Newsletter	(open)		
Webmaster	(open)		
Historian	(open)		
Executive Committee	Karl McCaleb		kmccaleb2@bellsouth.net
	Donald P Gurney, Jr., ScD, P.E.	Consultant	degurney@charter.net
	Anil Wagle	Retired	Anilwagle123@gmail.com
	Anastase (Tasso) Ghionis	Omega Chemicals	

2023-2024 Calendar of Events

DATE	LOCATION	TOPIC
October 11, 2023	Clemson	Tolling Manufacturing
November 2023	Spartanburg Community College	Complexes with M-M bonds. Joint meeting with ACS
December 2023	TBD	WSCAICHe Holiday Social
January 10, 2024	Clemson	TBD
February 13, 2024	Jacobs office	TBD Clemson professor
March 13, 2024	Jacobs office	TBD
April 2024	TBD	Plant Tour
May 2024	TBD	WSCAICHe May Social
