



American Institute of Chemical Engineers

The Western Palmetto Informer

September 2024

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September 10th
7:00PM
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Contact Information

Visit our website:
www.aiche.org/wsc

E-Mail us at:
sec@wscaiche.org
chair@wscaiche.org

Message from the Chair

Greetings and felicitations to borrow a greeting from Star Trek. It is my honor and privilege to serve as the Western SC Section AIChE Chair again for 2024-2025. As we get underway with a new year of activities, I'd like to take this opportunity to encourage you to put these meetings on your calendar. Each meeting is intended to bring a pertinent topic to help us all in our daily engineering endeavors. Your participation will allow others to benefit from your experience. You never know what question, comment, or advice you might have that would benefit the rest of us. My site's maintenance manager and I are blessed in that each of us is strong in an area where the other is weak. However, that makes us strong together and benefits this site greatly. The Roman fasces consisted of a bundle of rods bound together around a single-headed axe. When bundled together, these rods symbolized strength (as when bound together they were much harder to break). That's something we could and should do for our fellow engineers.

Our speaker for the September 10th meeting at Jacobs Engineering is Cameron Teaman of Lightnin Mixers. He will be speaking to us on "Mixing Fundamentals". His presentation will include Mixing Nomenclature and Definitions, Basics of Mixing, Tanks and Baffles, Impeller Types and Flow Patterns, Key Equations and Relationships, Low-Viscosity, Blending, High-Viscosity Blending, Solids Suspension, and Gas-Liquid Mixing. One of the first problems I worked on as an engineer was improving mixing in a phosphoric acid plant. One of the most aggravating jobs in the annual plant turnaround was jack-hammering scale build-up off the vessel walls. Once we installed a correctly designed agitator, the walls were gradually cleaned off during processing and once clean they stayed clean. A chemist friend of mine once joked that all chemical engineers thought that

every problem could be at least partially solved by improved mixing. I've seen poor mixing cause poor reaction control, poor heat transfer, poor raw material conversion, low yields, and equipment damage. I've even seen a case or two of too much mixing.

Our October meeting will be at Clemson University (Oct 8th) to help encourage the AIChE student section and that topic will be dust explosions. Our November meeting will be a joint meeting with the local ACS section at Fluor (Nov 19th) and they're setting up a panel discussion with three entrepreneurs of local chemical industry. December will be our social; so, if anyone has any suggestions for that, we'll gladly entertain them. Last year we went to Think Tank Brew Lab which worked out well. Thanks for your attention and I truly hope to see you all on September 10th.

Bill Thompson, Chair, WSC AIChE

September Meeting Information

TITLE:	Mixing Fundamentals by Lightning Mixers
DATE:	Tuesday, September 10th, 2024
Event timing:	Social: 6:00pm Dinner: 6:30pm Presentation Starts: 7:00pm
LOCATION (in-person event):	Jacobs Engineering 1041 E Butler Rd, Greenville, SC 29607
LOCATION (virtual event):	A Link to the ZOOM Meeting will be provided on our webpage HERE .
COST	No Charge for Dinner
RSVP by 9/8/24	RSVP HERE if you plan to attend

RSVP [\[HERE\]](#) - by September 8th if you plan to attend the meeting.

Local Section Feedback

If you have any feedback on what this section can do better in the coming year, recommendations on events you would like to see, or topics for presentations, please let us know!

If you have any feedback, please send an email to sec@wscaiche.org. Any feedback is appreciated. We want to grow and make this section better, and we need your help with that!

Opportunities to Assist

We welcome your participation on any level in this organization. Please reach out to Devon Clymer, sec@wscaiche.org, if you have any feedback on any of the following:

- You or someone you know would like to give a technical presentation at an upcoming meeting.
- Provide meeting topic or location recommendations to the leadership team.
- Provide recommendation or access for a plant tour (usually in the spring).
- You have interest in joining our Officers or Executive Committee.
- Any general question or comments on meeting times, locations, and topics

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
Webmaster	Conny Walker	Independent	connyw@earthlink.net
Scholarship Coordinator	David Hine		dpkjhine@gmail.com
Newsletter	(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	

2024-2025 Calendar of Events

DATE	LOCATION	TOPIC
September 10, 2024	Jacobs Engineering	Mixing Fundamentals
October 8, 2024	Clemson	Dust Explosions
November 19, 2024	Fluor	Local Chemical Industry Panel. Joint meeting with ACS
December 2024	TBD	WSCAICHe Holiday Social
January, 2025	TBD	TBD
February, 2025	TBD	TBD
March, 2025	TBD	TBD
April 2025	TBD	TBD
May 2024	TBD	WSCAICHe May Social
