

THE SHAKEOUT



Piedmont AFS Chapter

www.afspiedmont.org



November 2021

Letter From The Chairman

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Past Chairman

Shawn McKinney
Saint-Gobain

AFS Piedmont Chapter and Friends,

I appreciate the opportunity to serve as your chairman for 2021-2022. I would like to thank the Piedmont Chapter's board for their stewardship of the chapter when during the past year. We are blessed to have a very experienced and motivated group of officers and directors to help guide and lead the chapter. As things are opening up from COVID, I look forward to seeing all of you again throughout the year.

We had a great September meeting in Blacksburg, VA regarding data collection and verification. I would like to thank Manuel Umenazor, Adam Westerland, Roy Stevenson, and Joseph Ogea for their time and insight. The students at VTFIRE greatly appreciated the interaction with industry professionals. I would like to thank Corinne Wells, who filled us in on all of the updates regarding VTFIRE during dinner and giving us a tour of VTFIRE the following day. Since we could not do a past chairman's dinner last year, we had one at the Blacksburg meeting. There were 11 past chairmen at the meeting, and I would like to thank them for attending. The chapter would not be where it is without them.

Our next meeting in November will be in beautiful Statesville, NC in conjunction with the Melting, Methods and Materials AFS National Division Committee. It will have a full day of technical sessions on induction melting topics and a golf education fundraiser at the Larkin Golf Club.

January meeting will be held in Statesboro, GA. We will visit Georgia Southern University, where they are now an FEF accredited program! We would like to congratulate Georgia Southern on their accreditation, and we look forward to interact with their students and see their facilities.

March 2022, the Piedmont Chapter will host the AFS Southeast Regional. The plans are well underway and will be held at the DeSoto Savannah Hotel in the heart of downtown Savannah with golf at The Club at Savannah Harbor. Our theme for this regional is: *Casting Foundations for the Future, Carrying the Best Practices Forward*. Please be on the lookout, our website will be going live with the registration and sponsorship for the regional very soon. Brandon O'Steen is our regional chairman. Please get in touch with Brandon or me if you would like to help us with the regional. It is shaping up to be a great event.

As always, we appreciate our sponsors. It is due to your donations that make this Chapter's endeavors possible. We look forward to your continued support of this Chapter. We are a non-profit organization and without our sponsors and meeting proceeds, we could not support the future of this industry through VTFIRE and Southern CORE. Again, we would like to congratulate Georgia Southern on their FEF accreditation.

My Best,

Peter Kim
AFS Piedmont Chapter

Piedmont Chapter Education Report

October 2021

“Progress through Education”

By: Paul Huffman, Education Chairman

FEF News

The FEF Annual Report is now on-line at www.fefinc.org. The popular 2021 College Industry Conference expected to be held in person November 18-19, 2021, in downtown Chicago at the Westin Michigan Avenue. If your company is thinking of hiring engineering talent who is passionate for our industry, this is an event you should consider attending. More information is available at this website or by calling FEF at 847-490-9200.

I am also happy to report that our new foundry school, Georgia Southern, has obtain a full 5-year accreditation from FEF. Congratulations to this new program!

Va Tech News

MSE

The extensive work on the Holden Hall renovations continues with an expected move in date next spring, on schedule. All professors and staff will relocate back to Holden and the new laboratories will be equipped. Classes are scheduled to begin in Holden Hall the beginning of the Fall 2022 semester.



Holden Hall October 2021

Our long time MSE Department Head, Dr. David Clark, recently retired and Sean Corcoran has been named Interim Head as a national search is underway. Dr. Corcoran has been with the department since 1998.

Continued:

VT Fire

Our foundry classes are in full swing with all faculty, staff and students required to be vaccinated. Elementary Casting Lab, Foundry Safety, Metal Casting Modeling and Metals and Alloys are underway. In addition, we have 2 Senior Design Teams and 1 Undergraduate research project taking place this semester.

The initial student AFS meeting was held last month with Anna Carnahan our new student President. During this meeting our Key Professor, Dr. Alan Druschitz presented a talk on How VT-Fire prepares students for our Industry.

Our September Piedmont was held in Blacksburg with excellent attendance. Two students presented and many more attended. We look forward to getting to know the new students as there was no student travel allowed last year as a result of covid.

On Friday after the technical sessions, we had a tour of VT Fire and saw the results of a focused 5S effort in the foundry. Great work students!



Friday Tour of VT Fire

Continued:

Georgia Southern News

Southern CORE

Classes have also begun at Ga. Southern. The new Tinker-Omega continuous mixer is undergoing installation as well as other improvements. We are currently working on providing a gift of a Wheelabrator shot blast.

The Southern CORE students have also undertaken an intensive foundry clean-up effort. A group of 14 students met to clean and organize the foundry.



Foundry Clean-Up Underway!

Their student chapter has hit the ground running with Aubrey Harold elected President and Mark Thompson VP. The initial student chapter meeting drew 20 students. During this meeting, the various methods of producing castings were reviewed.

There are two Open Foundry nights planned for this semester. Their initial night drew 15 students. The next Open night is scheduled for December 9th. There is a closed foundry night scheduled for November 14th where current foundry students can cast their individual designs. This should prove to be a fun night!

Several projects are underway. Three teams are competing in the SFSA cast-in-steel Celtic sword competition. They are also collaborating with the GSU motorsports club to cast a gearbox. Two students attended the Blacksburg meeting – thank you for the long travel! In addition, our students are having a competition to cast a new Piedmont Chapter's Speaker Gift award. The winner will be chosen during our Piedmont meeting at GSU in January.

Continued:

Six students have been selected to attend the FEF CIC conference mentioned above. Dr. Jingjing Qing was named the 9th AIST Peaslee Junior award recipient. Congratulation to Jingjing who is part of the husband-wife team heading our foundry program at GSU. Both as well as two students attended the MS&T conference held in Columbus, Ohio.



Southern CORE ready for the upcoming Open Foundry Night

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Recently Rolled OFF

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**MARK YOUR CALENDARS NOW
TO MAKE THESE 2021-2022 MEETINGS
CHAPTER MEETINGS**



DATE	LOCATION	TOPIC	TOUR
November 3-4 2021	Statesville NC.	Induction Melting	TBD
January 19-20 2022	Statesboro Ga.	Casting Defect & 5S	Georgia Southern
March 2-4 2022	Savannah Ga.	Piedmont Chapter to host AFS Southeast Regional	TBD
May 5-6 2022	Myrtle Beach, S.C	Annual May Outing	TBD

Shakeout Newsletter

Please send announcements, news about members, committee reports, or any items of interest for the Shakeout to:

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*Deadline for Articles in the next ShakeOut: **December 2021***