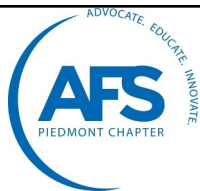


THE SHAKEOUT



Piedmont AFS Chapter

www.afspiedmont.org



AUGUST 2019

Letter From The Chairman

AFS Piedmont Chapter and Friends,

Welcome to the start of another great year for our chapter. It is my privilege to step into the role of chairman for the 2019-20 year. I would first like to thank Michael Stowe for the incredible job he did as chairman last year. Michael did an outstanding job as chairman and raised the bar for all of us that follow. Thank you very much for all you did Mike. I would also like to thank the directors that rolled off at the end of the 2018-19 year. They fulfilled their 3-year commitment as directors and helped to lead the chapter to where we are today. Thank you very much Ron Benjamin, Ted Kostilnik, and Rick Torrence. Finally, I would like to thank Doug Orndorff for stepping into the role of 2nd Vice Chairman and beginning his path towards Chairman.

I am excited as I look forward to what we have in store for this year. We have come up with a schedule that we feel will help us to reach out to all of the foundries in our region. We have a new university within our chapter that has begun to develop a new foundry program. Georgia Southern University is ramping up their plans of starting a program to teach metal-casting and the Piedmont Chapter is happy to work with the faculty there and assist in any way we can. The VTFIRE program at Virginia Tech is still going strong and this year we will begin looking into the next phase of that program and where can our chapter help them grow even more.

Everything we are able to do is because of the time and money given by our volunteers and our sponsors. If you have not yet renewed your annual sponsorship, please reach out to one of our officers and they will help you. We have continued to improve our website and now have all sponsorship opportunities available for easy payment through our website. We are also introducing a new Annual Premium Sponsorship which will include website sponsorship and meeting sponsorship at all 5 meetings for one price. A special thank you to every single one of our sponsors!

Lastly I wanted to thank all of our chapter officers and directors. There is a lot of work that goes on "behind the scenes" to run this chapter and organize all of these meetings. We have a tremendous team that works very hard to make sure everything is done. Thank you all for everything you have done leading up to now, and for your commitment to another fantastic year for the Piedmont Chapter.

I look forward to seeing everyone at our upcoming meetings.

Shawn McKinney
AFS Piedmont Chapter Chairman

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Program Co-Chairs

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Piedmont Foundry Supply, Inc.
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Past Chairman

Michael Stowe
Advanced Energy.



AFS PIEDMONT CHAPTER MEETING REGISTRATION

September 18-19, 2019

Greenville, SC

Embassy Suites Greenville

670 Verdae Blvd, Greenville, SC 29607

Rate \$139/Night standard 1 king or 2 double room

Call for reservations: (800) 218-8712



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If this link does not work, copy and paste it into your internet browser.

****MUST BOOK BY September 4, 2019****

Meeting Topic: Silica Rule – Past Challenges and Future Outlook

Wednesday, September 18

- 7:30 – 8:30 am Meeting Registration at the hotel
- 8:30 – 9:00 am Meeting Compliance – Our Journey – Glenn Honeycutt, Charlotte Pipe
- 9:00 – 9:30 am Start-up of a Non-Silica Shop – Chris Barnes, Caterpillar
- 9:30 – 9:50 am Matt Solo, EH-S for Bingham & Taylor Foundry
- 9:50 – 10:00 am **BREAK**
- 10:00 – 11:30 am Roundtable Q&A Discussion – Glenn Honeycutt, Chris Barnes, Matt Solo, Jim Harwood
- 12:00 – 1:00 pm **Lunch on your own**
- 1:00 – 5:00 pm Golf Education Fundraiser – The Preserve at Verdae at Embassy Suites
- 6:00 – 7:00 pm Social Hour at the Hotel
- 7:00 – 9:00 pm Dinner at the Hotel
- 7:30 – 8:15 pm Speaker: Update from Washington D.C. – Stephanie Salman, AFS National

Thursday, September 19

- 9:30 am **Tour of GE – Advanced Manufacturing Works**
301 Feaster Rd
Greenville, SC 29615

AFS PIEDMONT CHAPTER MEETING REGISTRATION
September 18-19, 2019
Greenville, SC

PLEASE PRE-REGISTER by **September 10, 2019**

Name _____ Company _____

Meeting Registration \$125.00 x ____ = _____

Golf Registration \$ 95.00 x ____ = _____

Late Registration Fee after **9/10/19** \$ 10.00 x ____ = _____

TOTAL = _____

Attending Dinner? Y N

Attending Tour? Y N

Online Registration: <http://afspiedmont.org/meeting-registration>

Have questions, contact Haley Hollifield, (843)784-2251 or haley@carolinametalcastings.com

Make checks payable to: **AFS Piedmont Chapter**
Mail registration form and payment to: Haley Hollifield
Carolina Metal Castings
PO Box 95
Hardeeville SC 29927

Piedmont Chapter Education Report

August 2019

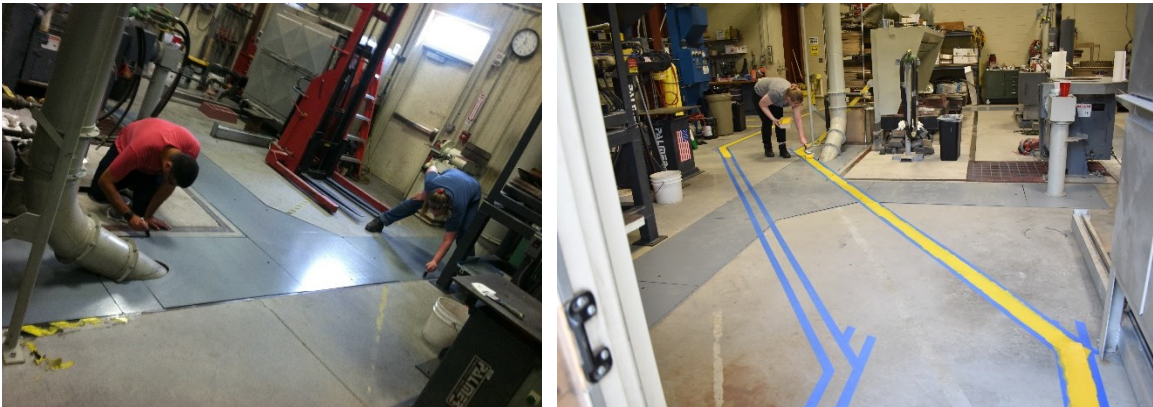
“Progress through Education”

By: Paul Huffman, Education Chairman

VT Fire Summer

If you have never had the opportunity to visit a University campus in the summer, it is a totally different experience than the normal fall to spring academic year. The pace tends to slow down and you can actually find a parking spot!

This summer at the Kroehling lab we utilized this time to conduct a little housekeeping improvement. Two students volunteered to clean the steel grating and shop floor. They also repainted the steel grating which had worn smooth with an industrial enamel containing shark grip anti-slip compound. New aisle lines were painted to better define our work areas. Not only is the lab looking great it is also safer for our students and guests.



During the summer we hosted a number of outreach events. We conducted a tour and scratch plate event for New River Community Services. We also hosted events for Tech Girls, C-Tech Squared, STEP and VT Office of Sponsored Programs. MSE and ME students assisted in these events as well as Peter Kim (Ferroglobe). Thank you Peter! In all, a total of 156 individuals were exposed to the metal casting process through VT Fire.



We also took advantage of the summer break to perform some much needed maintenance work on some key equipment. A long-standing issue was resolved with our induction melting unit. Thank you, Libby Ryder and Richard Helbling, for your assistance. We also fixed a plugged grit delivery system with our grit blast machine.

Foundry Student News

We had a number of students conduct internships over the summer. For our Piedmont members, this is an excellent way to provide students real life work experience while gaining motivated engineering help.

- Audrie Corral at Nucor Hartford
- Liz Fontana at Tyler Union
- Bryan Staha at Charlotte Pipe
- Corinne Wells at Federal Mogul
- Owen Hall at Nucor Hartford

For any foundry operations who are considering hiring an intern for next summer, and would like help in this process, feel free to reach out to me. Next February 2020, we plan to conduct a Career Fair on campus.

Other Industry News

Dr. Druschitz was busy this summer. He joined a task force promoting corporation between Aerospace/Ocean Engineering and MSE. He also engaged with GE Aviation, Queen City Forging, Nucor Hartford, Selee and Moog Industrial on casting processes and VT Fire. He also was instrumental with Amy Hill to move forward with Magma which will further train our students in solidification software.

Va Tech MSE

As many of you know, the home of our Materials Science and Engineering Dept., Holden Hall has begun a major multiyear renovation and addition. Internal demolition is underway and all

Next month the College of Engineering will undergo accreditation from ABET. This ISO 9001 national organization mission is to accredit deserving university programs in the STEM disciplines. Minimum standards are set to ensure the quality of the programs. Most major university engineering programs work hard in obtaining and maintaining this accreditation. The MSE department has been very busy preparing for this multi-day audit. Our chapter, through it's Education Chair, is active in this process which is slated for September.

The MSE Advisory Board annual meeting is scheduled for October 7 and 8. This Board has been very active in their support of VT Fire and our students. If there are any issues anyone would like to put before this board please contact me.

Georgia Southern

The Piedmont Chapter now has a second FEF school. Georgia Southern is developing a new program and is now Affiliated with FEF. This program is headed by Minjzhi Xu, Assistant Professor in the Department of Mechanical Engineering. We are excited to have this second university develop a metal casting curricula and plan to offer our support. Stay tuned for more information in the November newsletter.

Foundry Education Foundation

For those of you who receive the monthly FEF e-newsletter, you may have noticed a familiar face. Mattie LaPrade was highlighted on it's front cover. Mattie was a 2017 graduate of our VT Fire program and has been extremely active in FEF alumni activities. You can pick out Mattie third from the right attending the past Cast Expo along with current VT students and alumni.



This years FEF College Industry Conference will be held November 21 and 22 in Chicago.

More information can be attained at <https://www.fefinc.org>.

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Publicity / Web Chairman

Bill Matarazzo (Same info as above)

Registration Chairman

Haley Hollifield (Same info as above)

Shakeout Chairman

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Recently Rolled OFF

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- F. Casting User/Designer/Buyer
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CHAPTER MEETINGS**



DATE	LOCATION	TOPIC	TOUR
Sept. 18-19	Greenville, SC	Silica Rule Updates	GE Power AMW
Nov. 20-21	Myrtle Beach	Foundry Maintenance	Conbraco
Jan. 22-23	Columbus, GA	Technology Improvements in Foundries	TBD
Mar. 18-19	Roanoke, VA	TBD	TBD
May 21-22	Wilmington, NC	Annual Golf Outing	None

Shakeout Newsletter

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

Shaun McGuirt

Charlotte Pipe & Foundry Co.

P.O. Box 35430

Charlotte, NC 28235

E-mail: smcguirt@charlottepipe.com

*Deadline for Articles in the next ShakeOut: **September 1, 2019***