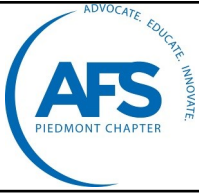


THE SHAKEOUT



Piedmont AFS Chapter

www.afspiedmont.org



December 2018

Letter From The Chairman

AFS Piedmont Chapter and Friends,

We had another great chapter meeting in November in Blacksburg, VA. The technical sessions on *Foundry Maintenance* were very valuable and we had very good attendance. At dinner we had the special opportunity to provide eleven Virginia Tech students with scholarships ranging from \$500 to \$2,000 and totaling \$11,250. These particular scholarships were funded by our friends at the *Foundry Educational Foundation* (FEF). A great big thank you to FEF and congratulations to all of our Virginia Tech scholarship students.

Additionally, the AFS Piedmont chapter treasurer, James Sturgeon, presented Dr. David Clark, Department Head for the Virginia Tech MSE Department, with a check for \$18,457 for use to help pay off the remaining current mortgage on Phase 1 of the VT Fire teaching foundry.

A big THANK YOU to Shawn McKinney and to all others who helped set up this great meeting in November.

For our January 2019 meeting, we have another excellent set of speakers to discuss a wide range of aspects on *Casting Defects*. This meeting will be in Pineville, NC, near Charlotte, and will include a plant tour of the Conbraco-Pageland foundry. As a special part of the training, we are asking attendees to bring actual samples or pictures of casting defects and we will get our panel of speakers to take a look and discuss these examples. Please see the January meeting notice for more details.

Please plan ahead and send lots of people from your teams to take advantage of the *Casting Defect* technical session in January. Education is one of our chapter cornerstones and having good technical sessions at our meetings is key. Many thanks to the AFS Piedmont Chapter program co-chairs for providing great topics and great speakers this year.

The other big item for 2019 is the *AFS Southeast Regional*. The AFS Piedmont Chapter is the host for the 2019 regional and plans are well underway. The 2019 regional will be held at the DeSoto Savannah Hotel in the heart of downtown Savannah, GA on February 20 - 22, 2019.

Hotel reservations, registration, and regional sponsorships are all up and running on the AFS Piedmont chapter website. Please take a look and make sure to get your room, your program space and your sponsorship real soon.

Additionally, we really want to hear from the folks in the foundry industry to share success stories about silica rule compliance, work force development, innovation and other topics. If you have a story to tell, please let me know and let's get it on the regional program.

Everyone stay safe and warm as winter rolls in. Have a wonderful holiday season and a great New Years. I hope to see you all in Pineville in January.

 My Best,

Michael Stowe
AFS Piedmont Chapter Chairman

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AFS PIEDMONT CHAPTER MEETING REGISTRATION

January 16-17, 2019

Pineville, NC

Hilton Garden Inn Pineville

425 Towne Centre Boulevard, Pineville, NC 28134

Rate \$149/Night standard 1 king or 2 queen room

Call for reservations: (704) 889-3279

Group Code: AFSPC

Or reserve online: <http://bit.ly/Jan2019Hotel>



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

****MUST BOOK BY January 2, 2019****

Meeting Topic: Casting Defects

Wednesday, January 16

- 7:30 – 8:30 am Meeting Registration at the hotel
- 8:30 – 9:20 am Temperature Defects, George Frigm, *Electronite*
- 9:20 – 10:10 am Iron Defects, Marc King, *FerroGlobe*
- 10:10 – 10:30 am BREAK**
- 10:30 – 11:15 am Non-Ferrous Defects, Mike Buyarski, *Federal Metals*
- 11:15 – 12:00 pm Slag Defects, Dave Williams, *ASI International*
- 12:00 – 1:30 pm Lunch on your own**
- 1:30 – 2:15 pm Green Sand Defects, Donald McLain, *American Colloid*
- 2:15 – 3:00 pm Core Defects, Stan Forehand, *HA International*
- 3:00 – 5:00 pm AFS Piedmont Board Meeting, followed by
AFS 2019 Southeast Regional Planning Meeting
- 6:00 – 7:00 pm Social Hour at the Hotel
- 7:00 – 9:00 pm Dinner at the Hotel

Casting Defect Examples

As an added bonus for meeting attendees our panel of experts have agreed to help evaluate any actual samples or photos of casting defects you would like to provide. Also, if you have found a solution to your casting defect and would like to share with the group, then that would be great.

Please contact Bill Yost at bill.yost@conbraco.com to submit your samples or examples.

Thursday, January 17

9:00 am

PLANT TOUR

Conbraco Industries-Pageland
1509 South Van Lingle Mungo Blvd.
Pageland, South Carolina, 28079

Pants and Closed Toed Shoes are required.
(Does not have to be steel toed shoes)
Other PPE will be provided.
Parking available on site.

**AFS PIEDMONT CHAPTER MEETING REGISTRATION
January 16-17, 2019
Pineville, NC**

PLEASE PRE-REGISTER by **January 9, 2019**

Name _____ Company _____

Meeting Registration \$125.00 x ____ = _____

Late Registration Fee after **1/9/19** \$10.00 x ____ = _____

TOTAL = _____

Attending Dinner? Y N

Attending Tour? Y N

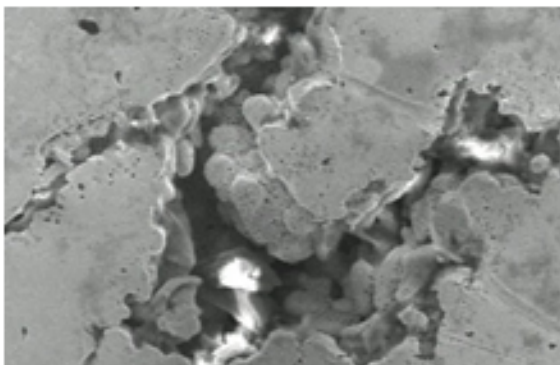
Online Registration: <http://afspiedmont.org/meeting-registration>

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

Please plan to join us in Pineville and Pageland for a great meeting and tour!





American Foundry Society
Piedmont Chapter
Progress through Education

2018 Chapter Sponsorship

Be an AFS Piedmont Chapter Sponsor for 2018! A \$250.00 donation is required for sponsorship of the AFS Piedmont Chapter Education Programs. Sponsorship includes website and chapter email recognition for 2018.

Name _____

E-Mail _____

Company _____

Make checks payable to: AFS Piedmont Chapter

Mail payment to: James Sturgeon
Treasurer, AFS Piedmont Chapter
8208 Forest Lake Drive
Conway, SC 29526

Please send website artwork to james.sturgeon@conbraco.com

THANK YOU FOR SUPPORTING THE AFS PIEDMONT CHAPTER!

Piedmont Chapter Education Report

December 2018

“Progress through Education”

By: Paul Huffman and Corey Todd
Education Chairman

VT Fire Happenings

For those of you who did not attend the November meeting in Blacksburg we awarded the annual FEF student scholarships during the Wednesday dinner. A total of \$11,250 was presented to 10 metal casting students. FEF and our Piedmont Chapter, along with additional foundry and foundry supply corporations continue to fund these critical scholarships. In addition, our students have been awarded \$12,500 from the steel industry. We plan to host an additional award ceremony next year during another Chapter meeting.



Va Tech Student attendees with FEF Key Professor Dr. Alan Druschitz

During this meeting our Piedmont Board voted to award and distribute the remaining funds committed to VT Fire Phase 1 to the Materials Science and Engineering Dept. This completes our \$50,000 matching gift donation designed to help pay off the remaining balance of the Kroehling facility.



Piedmont Chapter Treasurer James Sturgeon presents a \$18,457 donation to Dr. David Clark, MSE Department Head

The students are working hard in preparation of final exams and are wrapping up a very busy semester. Sixteen students will be completing the initial course Elementary Casting Lab which will hopefully spark their career interest towards our industry. Two are finishing up co-ops at Piedmont Chapter foundries.

We also would like to thank Conbraco for donating a new pattern box for scratch plates. These scratch plates are used extensively each semester for our VT Fire Open House events. These events have become incredibly popular in the university and Blacksburg community and help to showcase our industry and foundry program. Other Piedmont organizations continue to support our program with gifts of materials and melting stocks.

Our students have been busy with one of our Chapter's Foundry in a Box recently completing a demo for the University's annual Gobblerfest. We also completed another Hokie Gold Melt, melting donated class rings and casting a small ingot which will be used symbolically during this year's class ring production.

This past September, the AFS Cast Iron Research Committee was at Va Tech for a meeting, a student night and to observe students in the casting lab. In October, the AFS Lost Foam Research Committee hosted our students at the BRP facility in Spruce Pines, NC.

One exciting development is that former VT Fire graduates are now returning to campus to recruit new engineering students. These recent graduates are employed both in and outside our Chapter.

Finally I would like to congratulate our VT Fire professor, Dr. Alan Druschitz, for receiving a Dean's award for Excellence in Service. Much of this service revolves around the foundry. This year Dr. Druschitz has also received a large grant through the Defense Logistics Agency conducting research on cast metal-ceramic composite lattice structures. Our congratulations to Dr. "D" for both of these achievements.

2019 AFS SOUTHEASTERN REGIONAL CONFERENCE



STRENGTHENING YOUR COMPETITIVE ADVANTAGE

FEBRUARY 20-22
SAVANNAH, GA

Find all the latest information including links to book hotel, become a sponsor, and register for the meeting at www.seregional.org

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Save the Date

2019 AFS

Southeast Regional

**Envisioning the Foundry of Tomorrow -
Strengthening Your Competitive Advantage**

February 20-22, 2019
Savannah, GA

The Savannah Desoto Hotel by Sotherly



<https://www.thedesotosavannah.com/>

Wednesday, February 20th: RAM Meeting, Golf Event and the opening reception
Thursday, February 21st: A full day program with lunch and an evening reception
Friday, February 22nd: Plant Tour, TBD

Mark your calendars now and plan to be there!
Registration, hotel, sponsorship & program details are coming soon.

Brought to you by your host: [The AFS Piedmont Chapter](#).

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Corey Todd

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<input type="radio"/> Personal	\$105	<input type="radio"/> Teaching Associate	\$65
<input type="radio"/> Corporate Individual*	\$70	<input type="radio"/> Student	\$20
<input type="radio"/> Retired	\$25	<input type="radio"/> International Technical**	\$195

*Employees of corporate members **Outside of North America

Name _____ Job Title _____

Company _____ Home/Work (circle one) Address _____

City/State/Prov _____ Country _____ Postal Code _____

Tel _____ Email _____

I desire affiliation with the following AFS Chapter _____

I wish to receive MODERN CASTING magazine? Yes No

What does your company do? (check one)

- A. Producer of Metal Castings (foundry, diecaster, etc.)
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- D. Consultant/Consulting Engineer
- E. Research Institute/Testing Lab
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- H. U.S./Foreign Government/Military
- I. Other _____

What metals are your primary focus? (check up to three)

- A. Iron
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- D. Copper-Base (brass, bronze, etc.)
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Payment Information

Check Enclosed (U.S. Funds Only) Charge To: American Express Mastercard Visa

The following information is required in order to charge your membership:

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Date _____ Signature _____

Return completed application to:

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**MARK YOUR CALENDARS NOW
TO MAKE THESE 2018-2019 MEETINGS**



DATE	LOCATION	TOPIC	TOUR
January 16-17	Pineville, NC	Casting Defect Analysis	Conbraco-Pageland
February 20-22	Savannah, GA	Southeast Regional	TBD
May 17-18	Charleston, SC Area	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: Feb. 1, 2019