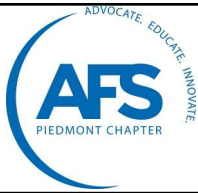


# THE SHAKEOUT



## Piedmont AFS Chapter

[www.afspiedmont.org](http://www.afspiedmont.org)



September 2020

### Letter From The Chairman

#### Chairman

By Committee for 2020-2021

#### Vice Chairman

Peter Kim  
*FerroGlobe*  
(740) 336-1944

#### Second Vice Chairman

Bill Matarazzo  
*Foundry Solutions & Design*  
(973) 287-9563

#### Secretary

Brandon O'Steen  
*Specialty Foundry Products*

#### Treasurer

James Sturgeon  
*Conbraco Industries Inc.*

#### Directors (Term Expires 2021)

Haley Hollifield  
*Carolina Metal Casting*  
Glen Huneycutt  
*Charlotte Pipe & Foundry Co.*  
Jeff Gallagher  
*Piedmont Foundry Supply, Inc.*

#### Directors (Term Expires 2022)

Dale Hurt  
*Conbraco Industries Inc.*  
Jeremy McLimans  
*Hickman, Williams & Company*  
Rick Torrence  
*Charlotte Pipe & Foundry Co.*

#### Directors (Term Expires 2023)

Michael Looby  
*Inductotherm Corp.*  
Alan Dooley

Paul Huffman  
*Dominion Metallurgical, Inc.*

#### ShakeOut Chairman

Shaun McGuirt  
*Charlotte Pipe & Foundry*

#### Membership Chairman

Michael Looby  
*Inductotherm Corp.*

#### Education Chairman

Paul Huffman  
Peter Kim

#### Registration Chairman

Haley Hollifield  
*Carolina Metal Casting*

#### Publicity Chairman

Bill Matarazzo  
*Foundry Solutions & Design*

#### Program Co-Chairs

Jeff Gallagher  
Robbie Gallagher  
Ted Kostilnik  
Michael Stowe

#### Past Chairman

Shawn Mckinney  
*Saint-Gobain*

AFS Piedmont Chapter and Friends,

I hope that you all are doing well both personally and professionally and are safe and healthy in this time of COVID 19 and all the associated disruptions. The AFS Piedmont chapter has had to make some adjustments on how to proceed during this time by balancing health and safety with the desire to meet and move forward.

Due to several personnel moves and changes, the AFS Piedmont chapter does not have a specific person serving as Chairman for the 2020-2021 program year. Instead, we are managing our chapter with a "chairman by committee" method to get us through the year. The subsequent chairs for the following years are filled and we look forward to our future leadership: Peter Kim, First Vice Chair and Bill Matarazzo, Second Vice Chair.

As we plan our events for the 2020-2021 program year, we are carefully considering whether the meetings will be face-to-face events, virtual/remote webinar-based events, or possibly a combination. More information will follow on this as we proceed with our planning. Planned dates and locations for our program year are near the end of this Shakeout.

Our first event is planned for Thursday, September 17, 2020 and will be a virtual meeting from 10:00 a.m. to 11:30 a.m. EDT. The topic is planned to be *Dealing with Covid-19 in the Foundry*. We will charge a \$15 per person or \$50 per company fee to attend. More details will be coming out soon.

The 2022 AFS Southeastern Regional will be hosted by the AFS Piedmont chapter and we will be beginning our planning for this early in 2021. Brandon O'Steen is our AFS Southeastern Regional chairman so please give him your full support as we plan for this event.

The AFS Piedmont chapter is blessed with a great number of dedicated and hard-working leaders. We will get through these difficult times and will continue to thrive as a great chapter.

I look forward to seeing you all soon!

My Best,

Michael Stowe  
AFS Piedmont Chapter Past Chairman (2018-2019)

## AFS PIEDMONT CHAPTER MEETING REGISTRATION

September 17<sup>th</sup>, 2020

10:00 to 11:30 am

Virtual – Zoom Meeting



American Foundry Society – Piedmont Chapter

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

### Meeting Topic: COVID Response

- Guest Speakers from Conbraco & Charlotte Pipe
  - Reaction
  - Response
  - Mitigation
- Open Panel Discussion with local industry leaders
  - Outside visitors
  - Travelling to meet customers
  - Best practices
  - Testing
- The meeting invitation will be sent out to registered attendees via email

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## AFS PIEDMONT CHAPTER MEETING REGISTRATION

September 17<sup>th</sup>, 2020

Virtual – Zoom Meeting

Please Pre-Register by September 15, 2020

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Individual Meeting Registration                      \$15.00 x \_\_\_\_\_ = \$ \_\_\_\_\_

Group of 5 or More    \$50.00                      = \$ \_\_\_\_\_

TOTAL = \$ \_\_\_\_\_

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

If you have any questions, please contact Haley Hollifield, (843) 784-2251 or [haley@carolinametalcastings.com](mailto: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 2020**

“Progress through Education”

By: Paul Huffman, Education Chairman

### **FEF News**

The FEF Annual Report is now on-line at [www.fefinc.org](http://www.fefinc.org) . The popular 2020 College Industry Conference expected to be held November 19-20, 2020 in downtown Chicago will now be modified to a virtual conference during the week of November 16, 2020.

FEF would like to remind our metalcasting industry and all metal casters to consider a donation to FEF for their annual scholarship fund to support students this fall as they face a very unusual and trying time in their academic career.

### **Piedmont Chapter Scholarships**

Over the summer, our Chapter has awarded a number of scholarships:

VT Fire Students (Virginia Tech)

Owen Hall  
Dina Liacopoulos  
Ella Williams

Southern CORE Students (Georgia Southern)

Michael Garrett Windham  
Aubrey Harold



### **Va Tech News**

#### **MSE**

The fall semester will begin August 24 and most MSE courses, with the exception of labs, will be conducted online. Faculty and graduate students can gain permission to use specific facilities after completing required Covid-19 training. The staff and most of the faculty will continue to work remotely as they have been doing since March. The main offices will be open 9:00 to 4:00 each day using staff on a rotational basis. For the most part, research activities have ramped up back to normal. As everyone knows, this continues to be a fluid situation.

**Continued:**

Holden Hall's renovation continues full steam ahead. A few walls are up and the scope of the expansion is now very apparent.



*Holden Hall Before Start of Renovations*



*Holden Hall Undergoing Renovations*

Continued:

### VT FIRE News

The high shear mixer and slurry tank which was purchased by our Chapter has arrived at the lab and has been installed. This will upgrade the Investment Casting area and greatly increase uptime in this area. The efforts to reduce overall clutter in the lab continues to make a better and safer teaching environment in the lab.



*New High Shear Mixer and Investment Tank*

Many of you are familiar with the TV show “Forged in Fire”. Being a career metal worker, I try to tune in when I can. What you might not be aware of is that the Steel Founders’ Society of America also has a similar competition. It is called “Cast in Steel” and is open to Universities to design, produce and present an annual themed project. This year their work scope was to create a Bowie Knife. This year, the team from Va Tech took best performance. This year there were 20 universities and 40 separate teams registered, but only 17 final entries due to Covid shutdowns. The Va Tech entry was a cast H13 tool steel. More pictures and videos can be accessed at <https://www.sfsa.org/castinsteel/?page=foundation>. And for those of you looking forward to next year’s competition it is to design and produce a Thor’s Hammer!

Continued:



*Va Tech's Best Performance Entry*

By the way, SFSA has donated the remaining knives for an auction through FEF. Funds from this auction will help support schools who participated in the competition by purchasing PPE and special cleaning equipment related to Covid. The auction is August 17-28. Additional information is located on the FEF site at [www.fefinc.org](http://www.fefinc.org).

**Georgia Southern News**

**Southern CORE**

Our newest program in the Piedmont Chapter, Southern Casting Outreach, Research and Education has also been busy. The foundry renovation is moving forward. The external cooling unit has been installed and the refractory brick and sand for the pouring floor just arrived. We are hopeful we will be able to see this progress on site next year during our January 2020 meeting in Statesboro, GA, By the way, AFS 5R Cast Iron Committee is planning a meeting at Southern CORE this same time.



Continued:



*Southern CORE Foundry Lab Construction*

We are also excited that their Key Professor, Ming Xu has been selected as the Peaslee Junior Faculty recipient. This award is \$35,000 annually and is renewable for up to three years. Ming would like to thank everyone associated with this prestigious award including members of our Piedmont Chapter.

In addition, Ming's wife Jingjing Qing has been selected as the AIST Steel Development Award recipient. She plans to offer a new course this fall entitled "Steel Heat Treat and Microstructure". It has been a pleasure working this dynamic husband wife duo!

### **Foundry Internships**

The Covid-19 situation has resulted in the withdrawal of internship opportunities from both of our fine metal casting programs. This is unfortunate as these internships are critical in attracting the best students into our industry. I am hopeful that by next summer we will be back to some sort of normality which will allow our critical internships to move forward.

# **AFS PIEDMONT CHAPTER JANUARY 2021 MEETING**

## **SAVE THESE DATES ON YOUR CALENDAR:**

**WEDNESDAY AND THURSDAY, JANUARY 20 AND 21,  
2021**

**WHERE- STATESBORO, GEORGIA- GEORGIA SOUTHERN UNIVERSITY  
HOTEL VENUE- THE HOLIDAY INN- UNIVERSITY AREA**

TEAM SAVANNAH IS HOSTING THE JANUARY MEETING, AND IS EXCITED TO BE UNVEILING THE NEWEST METAL CASTING STUDENT LEARNING CENTER ON THE CAMPUS OF GEORGIA SOUTHERN UNIVERSITY. THIS FACILITY IS IMPRESIVE, AND THE GSU TEAM IS WORKING RAPIDLY TOWARD BECOMING A FEF FULLY ACCREDITED TEACHING FACILITY.

WE ARE ANXIOUSLY LOOKING FORWARD TO HAVING AN IN-PERSON MEETING TO START THE NEW CALENDAR YEAR!!!

### **TEAM SAVANNAH MEMBERS:**

HALEY HOLLIFIELD, JIM HARWOOD, GARRETT WINDHAM, MINGZHI XU, TED KOSTILNIK

THIS MEETING WILL BE HELD IN CONJUNCTION WITH THE AFS NATIONAL CAST IRON MELTING COMMITTEE- 5R.

### **TENTATIVE AGENDA:**

WEDNESDAY MORNING- CONCURRENT TECHNICAL SESSIONS FOR THE 5R COMMITTEE AND THE AFS PIEDMONT CHAPTER. THE EXACT AGENDA FOR EACH SESSION IS STILL BEING FINALIZED.

WEDNESDAY AFTERNOON- TOUR THE GSU FOUNDRY LAB AND GET PROGRESS REPORT FROM MINGZHI.

WEDNESDAY EVENING- SOCIAL HOUR AND DINNER MEETING. PRESENTATIONS BY GSU STUDENT CHAPTER MEMBERS.

THURSDAY MORNING- TRAVEL TO HARDEEVILLE, SC AND TOUR CAROLINA METAL CASTINGS.



# **"We Appreciate our Chapter Website Sponsors"**

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**Contact : Mike Looby [mlooby@inductotherm.com](mailto:mlooby@inductotherm.com) 609-257-7544**

# AFS Piedmont Chapter Leadership 2020-2021

## **Officers**

### **Chairman**

**BY COMMITTEE for 2020-2021**

### **Vice Chairman**

Peter Kim  
SE District Sales Manager  
FerroGlobe  
Country Road 32  
Beverly, OH 45715  
(740)336-1944  
[pkim@ferroglobe.com](mailto:pkim@ferroglobe.com)

### **2<sup>nd</sup> Vice Chairman**

Bill Matarazzo  
Project Manager  
Foundry Solutions & Design  
316 Maxwell Road, #500  
Alpharetta, GA 30009  
(770) 667-4545 (work)  
(973) 287-9563 (cell)  
[wmatarazzo@foundrysd.com](mailto:wmatarazzo@foundrysd.com)

### **Secretary**

Brandon O'Steen  
Account Manager  
Specialty Foundry Products  
1130 Raimund Muscoda Road  
Bessemer, AL 35020  
(336) 676-2153  
[bosteen@specfoundry.com](mailto:bosteen@specfoundry.com)

### **Treasurer**

James Sturgeon  
Foundry Manager  
Conbraco Industries Inc.  
Steel Products Division  
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Conway, SC 29528  
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### **Past Chairman**

Shawn McKinney  
Application Engineer  
Saint-Gobain  
225 Springfield Meadow Drive  
Etowah, NC 28729  
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### **Student Chapter Co-Chairs**

Audrie Corral, Co-Chair  
Student, Virginia Tech  
(571) 217-3738  
[audrie1@vt.edu](mailto:audrie1@vt.edu)

Matthew Drew, Co-Chair  
Student, Virginia Tech  
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[matt00165@vt.edu](mailto:matt00165@vt.edu)

Garrett Windham, President  
Student, Georgia Southern  
[mw09968@georgiasouthern.edu](mailto:mw09968@georgiasouthern.edu)

## **Directors**

### **Director Class of 2021**

Haley Hollifield  
Office Manager  
Carolina Metal Castings  
PO Box 95  
354 Industrial Park Road  
Hardeeville, SC 29927  
(843) 784-2251, EXT 3 (office)  
(706) 386-4913 (cell)  
[haley@carolinametalcastings.com](mailto:haley@carolinametalcastings.com)

Glenn Huneycutt  
Division Trainer  
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[ghuneycutt@charlottepipe.com](mailto:ghuneycutt@charlottepipe.com)

Jeff Gallagher  
Piedmont Foundry Supply, Inc.  
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Cloverdale, VA 24077  
(540) 580-6844  
[pfsjeff@ntelos.net](mailto:pfsjeff@ntelos.net)

### **Director Class of 2022**

Dale Hurt  
Assistant Foundry Manager  
Conbraco Industries Inc.  
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Pageland, SC 29708  
[dale.hurt@conbraco.com](mailto:dale.hurt@conbraco.com)

Jeremy McLimans  
Technical Sales Representative  
Hickman, Williams & Company  
6918 Shallowford Rd, Suite 311  
Chattanooga, TN 37421  
(423) 208-5468  
[JMcLimans@hicwilco.com](mailto:JMcLimans@hicwilco.com)

Rick Torrence  
Procurement Manager  
[Charlotte Pipe & Foundry Co.](http://CharlottePipe.com)  
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(704) 348-5510  
[rtorrence@charlottepipe.com](mailto:rtorrence@charlottepipe.com)

Rodney Reid  
Charlotte Pipe & Foundry Co.  
1335 South Clarkson Street  
Charlotte, NC 28235  
[rreid@charlottepipe.com](mailto:rreid@charlottepipe.com)

### **Director Class of 2023**

Michael Looby  
Senior District Manager  
Inductotherm Corp  
10 Indel Avenue, PO Box 157  
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(609) 257-7544  
[mlooby@inductotherm.com](mailto:mlooby@inductotherm.com)

Alan Dooley

Paul Huffman, President  
Dominion Metallurgical, Inc.  
5304 Valley Park Drive  
Roanoke, VA 24019  
(540) 529-9600  
[phuffman@dom-met.com](mailto:phuffman@dom-met.com)

## **Committee Chairs**

### **Education Chairman**

Paul Huffman, President  
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5304 Valley Park Drive  
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(540) 529-9600  
[phuffman@dom-met.com](mailto:phuffman@dom-met.com)

### **Membership Chairman**

Michael Looby  
Senior District Manager  
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### **Program Co-Chairs**

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Piedmont Foundry Supply, Inc.  
PO Box 87  
Cloverdale, VA 24077  
(540) 580-6844  
[pfsjeff@ntelos.net](mailto:pfsjeff@ntelos.net)

Robbie Gallagher (Same info as above)

### **Publicity / Web Chairman**

Bill Matarazzo (Same info as above)

### **Registration Chairman**

Haley Hollifield (Same info as above)

### **Shakeout Chairman**

Shaun McGuirt  
Charlotte Pipe & Foundry Co.  
1335 South Clarkson Street  
Charlotte, NC 28235  
(704) 348-5402  
[smcguirt@charlottepipe.com](mailto:smcguirt@charlottepipe.com)

## **Recently Rolled OFF**

### **Director Class of 2020**

Jim Harwood, Owner  
Carolina Metal Castings  
PO Box 95  
Hardeeville, SC 29927  
(843) 784-2251  
[jim@carolinametalcastings.com](mailto:jim@carolinametalcastings.com)

Robbie Gallagher  
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### **Program Co-Chairs**

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Michael Stowe  
Senior Energy Engineer  
Advanced Energy  
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Raleigh, NC 27606  
(919) 857-9043 (work)  
(919) 904-0279 (cell)  
[mstowe@advancedenergy.org](mailto:mstowe@advancedenergy.org)

# Individual Member Benefits

## Education and Career Advancement

*Increase your personal competitiveness*

- Institute classroom and hands-on course discounts
- Conference and seminar special pricing
- Publication, video and resource discounts
- Webinar access—complimentary and special pricing

## Networking and Special Interest Groups

*Develop your own advantage*

- CastingConnection—a member-only online virtual community
- Local Chapter membership included
- Management & technical committee opportunities
- Shared Interest group involvement
  - Women In Metalcasting (WIM)
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## Knowledge Transfer from Generation to Generation

*Be "in the know" about your industry*

- Member Connections Newsletter
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For more information contact:  
Customer Service at 847/824-0181

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# AFS Individual Membership Application

Individual—Annual Dues			
<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**	\$105

\*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.)
- B. Pattern and Tooling Shop
- C. Supplier of Metalcasting Equipment, Raw Materials or Services
- D. Consultant/Consulting Engineer
- E. Research Institute/Testing Lab
- F. Casting User/Designer/Buyer
- G. Educational Institute/Faculty/Students/Library
- H. U.S./Foreign Government/Military
- I. Other \_\_\_\_\_

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

- A. Iron
- B. Steel
- C. Aluminum
- D. Copper-Base (brass, bronze, etc.)
- E. Magnesium
- F. Zinc
- Other \_\_\_\_\_

## 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:

Account No. \_\_\_\_\_ Exp. Date \_\_\_\_\_ Security Code \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Return completed application to:

American Foundry Society • 35169 Eagle Way • Chicago, IL 60678-1351

Tel: 847/824-0181 • Fax: 847/824-7848 • [www.afsinc.org](http://www.afsinc.org)

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**MARK YOUR CALENDARS NOW  
TO MAKE THESE 2020-2021 MEETINGS  
CHAPTER MEETINGS**



<b>November Meeting</b>	<b>January Meeting</b>	<b>March Meeting</b>	<b>May Outing</b>
Charlotte, NC	Statesboro	Blackburg/Roanoke	Waynesville (HHI as backup)
PM Molding Machines/Pressure Pourers	TBD w/ 5R(cast iron)??	TBD	Golf
11/18/2020	1/20/2021	3/24/2021	5/20/21 and 5/21/21

**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](mailto:smcguirt@charlottepipe.com)**

***Deadline for Articles in the next ShakeOut: November 2020***