Letter From The Chairman

AFS Piedmont Chapter and Friends,

First of all, I would like to express my sincere thanks to Shawn McKinney and all the committee chairs for their exceptional leadership and planning for our wonderful 86th AFS Regional conference in Savannah in February. This was a great event and I hope you all were able to attend.

The Regional Team:

Our next and final event for the 2018-2019 program year is our annual golf outing in Charleston, SC. We will have two great golf events at the Patriot Point Links, our annual business meeting, and our Past Chairmen Recognition dinner. Please plan to join us for this important event and help us raise funds for the education of our students. This includes the Roy Eggleston Memorial Tournament on Friday!

The dates for this event are Thursday and Friday, May 16-17, 2019 so mark your calendars and get your hotel reservations NOW.

Finally, I want to thank all the officers and directors of the AFS Piedmont chapter for a great year. I am very blessed to be surrounded by great people and have truly enjoyed working through the chairs and working with a great team. We had a goal this year to have good technical-based education sessions at our chapter meetings and we definitely did this. We were also successful in teaming with some of the AFS national committees to support our events. Again, my hat is off to you all for the support, leadership, guidance and fellowship. Thank you for a great year.

I look forward to seeing you all soon in Charleston!

My Best,

Michael Stowe
AFS Piedmont Chapter Chairman
AFS PIEDMONT CHAPTER MEETING REGISTRATION

PAST CHAIRMAN’S NIGHT
May 16 & 17, 2019
Charleston, SC

The Hilton Garden Inn
300 Wingo Way, Mt. Pleasant, SC 29464
Reservations: (843)606-4600
Mention AFS When Booking
$169/Night for 1 King or 2 Queen Bedroom
** MUST BOOK BY APRIL 23rd, 2019 **

Thursday, May 16th
8:30 am  Captain’s Choice Tournament: Patriots Point Links
1 Patriots Point Road, Mt. Pleasant, SC 29464
6:00 – 7:00 pm  Social Hour – Sky Room at the Beach House
7:00 – 9:00 pm  Past Chairman’s Night Dinner and Annual Chapter Meeting: Copper
Room at the Hilton Garden Inn

Spouses Program - Thursday, May 16th
11:00 am  TBD

Friday, May 17th
8:00 am  Roy Eggleston Memorial Tournament (Captain’s Choice): Patriots Point
Links - 1 Patriots Point Road, Mt. Pleasant, SC 29464
12:30 pm  Luncheon and Presentation of Golf Awards – Poolside (weather
permitting) at the Hilton Garden Inn (you must be present to win)

PLEASE PRE-REGISTER by April 23rd, 2019.

Name ___________________________ Company ___________________________
Meeting Registration  $125.00 x _____ = _____
Spouse Registration  $75.00 x _____ = _____
Golf Fee for Thursday  $125.00 x _____ = _____
Golf Fee for Friday  $125.00 x _____ = _____
Donation for Spouses Program  $75.00 x _____ = _____
Late Registration Fee After 4/23/19  $25.00 x _____ = _____
Total  _____

Golfers: Please include handicap or average score: _____ & golf shirt size: _____ (Shirt size must be submitted by April 12th)

Online Registration:  http://afspiedmont.org/meeting-registration
Have questions, contact Haley Hollifield, (843)784-2251 or haley@carolinametalcastings.com

If paying by check, make checks payable to: AFS Piedmont Chapter
Mail registration form and payment to: Haley Hollifield
Carolina Metal Castings
PO Box 95
Hardeeville, SC 29927
The AFS Piedmont Chapter would like to cordially invite you to be a part of a great training event:

**Gating and Risers 101**
May 22-23, 2019
Charlotte, NC

https://hub.afsinc.org/nc__Event?id=a2A2L0000011UOXUA2

Please plan to send your teams!
Piedmont Chapter Education Report
April 2019
“Progress through Education”
By: Paul Huffman and Corey Todd
Education Chairman

Va Tech MSE News
As many of you are aware the headquarters for the VT Materials Science and Engineering Department, Holden Hall, is undergoing a complete multiyear renovation and expansion. This academic building was constructed in 1940 also serves as the home for VT Mining Engineering. The MSE Department has now relocated out of Holden Hall to temporary offices and labs. We are excited to see the construction begin this summer and look forward to being able to move back in.

Our MSE Department Head, Dr. David Clark, recently accepted the University Exemplary Department Award. Congratulations to all the MSE faculty and staff and especially to Dr. Clark for his tireless efforts in building MSE into one of the very best departments at Va Tech.

Holden Hall on the Va. Tech Campus

VT-FIRE News
Interdepartmental News:
The foundry continues to be busy this semester and continues to be popular with other colleges and departments. This semester, students from the College of Architecture are utilizing the foundry working on casting an aluminum stool. A College of Science student is utilizing the facility working on a proto-dinosaur casting. It is interesting to note that this project is partially sponsored by the Smithsonian Museum of Natural History.

A Mechanical Engineering design team cast their first 3D printed molds and castings for a project sponsored by Boeing. Dr. Druschitz has also collaborated with the ME Rapid Tooling class, Civil Engineering and Industrial and System Engineering students. The Women’s Preview Weekend Foundry day is scheduled for April 7th at VT-FIRE.
Key Professor News:
Closer to home, Dr. Druschitz and his graduate team are full steam ahead on their Defense Logistics Agency funded research project on cast metal-ceramic composite lattice structures. One PhD student is fully funded by this project. Alan will be presenting an update on this research at the upcoming AFS Cast Expo in Atlanta. If you are attending, be sure to attend this update on April 28th.

Student News:
At the Savannah Regional meeting, we awarded an additional $8,000 of scholarships. These scholarships were funded by your Piedmont Chapter and Precision Castparts Corp.

We are also funding student housing at the upcoming AFS Cast Expo 2019. In Atlanta, VT Fire will have a team competing in the Steel Founders Society of America’s “Cast in Steel” competition. This student competition involves the design and manufacture of a Viking Battle Axe. The testing is focused on durability and sharpness and will be similar to the popular TV series, Forged in Fire.

Our VT Fire students will conduct these semester’s Foundry Open House on Saturday, April 13th from 10:00 to 3:00. If you have never experienced this it is completely student lead and impressive to watch and normally has over 100 attendees.

Industry / VT Fire News:
Our Chapter would like to thank Charlotte Pipe for their help and a training DVD on the 5S program. Many of our members are familiar with this Japanese based organization system designed to improve the efficiency and effectiveness of a work space. We also need to thank Brandon O’Steen of SFS / Covia for providing molding sand for this semester.

FEF / VT Fire News:
If you receive the AFS publication Modern Castings, you may have recently read about the FEF’s “Day of Giving”. This program is designed to provide a day for past FEF students to give back to their institutions that have provided a metal casting education to start their careers. This year Va Tech received first place in the percent of participation category. This is a tribute to the passion that is being generated by the VT Fire program. Our Chapter is very proud of our students and student graduates. Let’s keep the fire going!

AFS Piedmont High School Scholarship
If you are a Piedmont member in good standing and have a high school senior planning to attend college after graduation you will want to look closely at the scholarship competition application in this newsletter. Our Piedmont Board annually funds this scholarship for our membership. All scholarship applications must be returned to the scholarship committee by May 30, 2019 to be considered.
Application for the 2019 Piedmont Chapter AFS Scholarship Competition

First Name ____________________________ Middle ____________________________ Last ____________________________

Home Address ______________________________________________________________________________________

Date of Birth ____________________________ Place of Birth ______________________________________________________________________________________

Father's Full name ____________________________ Mother's Full Name ____________________________

Father's Occupation ____________________________ Employer ______________________________________________________________________________________

Mother's Occupation ____________________________ Employer ______________________________________________________________________________________

Parents AFS Number ____________________________________________

Brothers: Number ___ Ages ____________ Number in College ______ Number at home ______

Sisters: Number ___ Ages ____________ Number in College ______ Number at home ______

Please list any other scholarships or financial aid you have received this academic year: ____________________________

_______________________________________________________________________________________________

_______________________________________________________________________________________________

To which College (s) have you applied for admission? ____________________________________________________

_______________________________________________________________________________________________

To which College(s) have you been accepted for admission? _______________________________________________

_______________________________________________________________________________________________

What is your anticipated Major Field of study? __________________________________________________________

Name of high School attended ____________________________ Graduation Date ____________________________

What is your class rank ____________ Number of students in your class ____________________________

List any special recognition have you received for scholastic excellence: ____________________________

_______________________________________________________________________________________________

_______________________________________________________________________________________________

List any extra-curricular activities in which you participate: ______________________________________________

_______________________________________________________________________________________________

What jobs have you held in the last three years? ______________________________________________________
Requirements:

1. This scholarship is only available to high school seniors whose parent is a member in good standings of the Piedmont Chapter of the American Foundry Society. Deadline for return of this application is May 30th, 2019.

2. To be eligible for this scholarship applicant must be enrolled in a college or university by October 1, 2019. Please note any scholarship monies will be paid to the college or university and not to the student applicant.

3. Enclose SAT test scores or related equivalent. These may be photocopies.

4. Enclose official high school transcripts of student records from the beginning of the 9th grade to due date of application. These may be photocopies but should bear an original signature of the proper school authority.

5. The applicant shall prepare a statement of 300 words or less setting forth his or her vocational or professional goal and relate how past, present and future activities will make the accomplishment of this goal probable. The applicant by deed and circumstance must demonstrate his or her worthiness. The letter must be signed.

6. Application must be signed by the applicant and by the principal or a current teacher.

Signature of applicant

______________________________
Date

Signature of Principle or Teacher

______________________________
Date

Return this application to:

Corey Todd - Piedmont Chapter Education Co-Chairman
c/o Dominion Metallurgical, Inc.
5304 Valleypark Drive
Roanoke, VA 24019
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BE A PIEDMONT CHAPTER SPONSOR
Contact: Mike Looby mlooby@inductotherm.com 609-257-7544
The AFS Piedmont Chapter would like to cordially invite you to be a part of the 2019

Past Chairman's Night

Thursday, May 16th, 2019
Hilton Garden Inn
300 Wingo Way
Mt. Pleasant, SC
6:00 – 7:00 pm: Social Hour
7:00 – 9:00 pm: Dinner

Please plan to join us for our chapter meeting dinner as we honor your service as a Past Chapter Chairman.

Thank you.
Shawn McKinney
Vice-Chairman
AFS Piedmont Chapter
2018-2019
Chairman
Michael Stowe
Senior Energy Engineer
Advanced Energy
909 Capability Drive Suite 2100
Raleigh, NC 27606
(919) 857-9043
mstowe@advancedenergy.org

Vice Chairman
Shawn McKinney
Application Engineer
Saint-Gobain
(828) 290-7024
shawn.mckinney@saint-gobain.com

2nd Vice Chairman
Bill Yost
General Manager
Conbraco Industries Inc.
1509 S. Van L. Mungo Blvd.
Pageland, SC 29728
(843) 672-1656
bill.yost@conbraco.com

Secretary
Doug Orndorf
Charlotte Pipe & Foundry Co.
domrdorf@charlottepipe.com

Treasurer
James Sturgeon
Foundry Manager
Conbraco Industries Inc.
PO Box 1076
Conway, SC 29528
(843)-347-4666 Ext.1182
james.sturgeon@conbraco.com

Past Chairman
Jeremy McLimans
Technical Sales Representative
Hickman, Williams & Company
6918 Shallowford Rd, Suite 311
Chattanooga, TN 37421
(423) 208-5468
JMclimans@hicwilco.com

Directors (2020)
Jim Harwood
Owner
Carolina Metal Castings
PO Box 95
Hardeeville, SC 29927
(843)-784-2251
jim@carolinametalcastings.com

Brandon O’Steen
Account Manager
Specialty Foundry Products
1130 Raimund Muscoda Road
Bessemer, AL 35020
(334)-676-2153
bosteen@specfoundry.com

Robbie Gallagher
Piedmont Foundry Supply, Inc.
PO Box 87
Clovevaid, VA 24077
(540)-353-1731
pfsrobbie@ntelos.net

Directors (2019)
Ron Benjamin
Foundry Manager
Conbraco Industries Inc.
PO Box 125
Pageland, SC 29728
(843)672-1509
ron.benjamin@conbraco.com

Ted Kostilnik
Specialty Foundry Products
166 Lumber Lane
Mt.Holly, NC 28120
(706) 3020-4809
tkostilnik@comcast.net

Rick Torrence
Charlotte Pipe & Foundry Co.
1335 Clarkson St.
Charlotte, NC 28235
(704)-348-5510
rtorrence@charlottepipe.com
Committee Chairmen

Education Chairman
Paul Huffman
Dominion Metallurgical, Inc.
phuffman@dom-met.com

Education Co-chairman
Corey Todd
Dominion Metallurgical, Inc
todd@dom-met.com

Membership Chairman
Michael Looby
Inductotherm Corp.
mlooby@inductotherm.com

Shakeout Chairman
Shaun McGuirt
Charlotte Pipe & Foundry Co.
704-348-5402
smcguirt@charlottepipe.com

Registration Chairman
Haley Hollifield
Carolina Metal Castings
haley@carolinametalcastings.com

Website Chairman
Shawn McKinney
Saint-Gobain
828-290-7024
shawn.mckinney@saint-gobain.com

Publicity Chairman
Shawn McKinney
Saint-Gobain
828-290-7024
shawn.mckinney@saint-gobain.com
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Networking and Special Interest Groups
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- Management & technical committee opportunities
- Shared interest group involvement
  - Women In Metalcasting (WIM)
  - Future Leaders of Metalcasting (FLM)

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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
- Personal: $105
- Teaching Associate: $65
- Corporate Individual*: $70
- Student: $20
- Retired: $25
- 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.)
- 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
- G. 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
Join online: https://hub.afsinc.org

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

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| May 16-17 | Charleston, SC  
Hilton Garden Inn  
Charleston / Mt. Pleasant  
300 Wingo Way  
Mt. Pleasant, SC 29464 | Annual Golf Outing  
Patriots Point Course  
Past Chairman’s Night  
Annual Business Meeting | 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: JULY 1, 2019*