

THE SHAKEOUT



Piedmont AFS Chapter

www.afspiedmont.org



April 2022

Letter from the Chairman

AFS Piedmont Chapter and Friends,

First of all, I would like to express my sincere thanks to Brandon O'Steen , regional committee members, and speakers for a very informative and fun event in Savannah. Attendance was amazing and thank you to everyone who came. The event would not have been successful without every single one of you and our regional sponsors.

Our final event for this season will be at Hilton Head, SC from May 12-13. We will have two rounds of golf at the Shipyard Golf Club, our annual business meeting, and our Past Chairmen Recognition dinner. Please plan to join us for this great event! Please mark your calendars and make your reservations, I look forward to seeing you there.

Finally, I would like to thank the officers and directors of the AFS Piedmont Chapter for their support for my chairmanship. I am very blessed to have such a great group of people to work with. It was a challenging year with the regional, and the return of in-person meetings. Thank you for your support, leadership, and guidance throughout this year.

Sincerely,

Peter Kim

Peter Kim

AFS Piedmont Chapter Chairman

AFS PIEDMONT CHAPTER MEETING REGISTRATION

PAST CHAIRMAN'S NIGHT

May 12 & 13, 2022

Hilton Head, SC

The Beach House Resort

1 South Forest beach Drive, Hilton Head, SC 29928

Reservations: (855)433-0341

Mention AFS When Booking

\$155/Night for 1 King or 2 Queen Bedroom

**** MUST BOOK BY APRIL 20th, 2022 ****



Thursday, May 12th

9:00 am Captains Choice Tournament: Shipyard Golf Club
45 Shipyard Drive, Hilton Head Island, SC 29928

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 – Sky Room at the Beach House

Spouses Program - Thursday, May 12th

Time TBD TBD

Friday, May 13th

8:30 am Roy Eggleston Memorial Tournament: Shipyard Golf Club
45 Shipyard Drive, Hilton Head Island, SC 29928

1:30 pm Luncheon and Presentation of Golf Awards – The Beach House (You must be present to win)

PLEASE PRE-REGISTER by April 20th, 2022.

Name _____	Company _____
Meeting Registration	\$125.00 x _____ = _____
Spouse Registration	\$ 50.00 x _____ = _____
Golf Fee for Thursday	\$125.00 x _____ = _____
Golf Fee for Friday	\$125.00 x _____ = _____
Donation for Spouses Program	\$ 50.00 x _____ = _____
Late Registration Fee After 4/20/22	\$ 25.00 x _____ = _____
	Total _____

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

If you have any questions, please contact Roy Stevenson, (331) 771-1016 R.Stevenson@magma-soft.com or
Robbie Gallagher (540) 353-1731 pfsrobbie@ntelos.net

Make checks payable to: **AFS Piedmont Chapter**

Mail registration form and payment to: James Sturgeon
8208 Forest Lake Drive
Conway, SC 29526

Piedmont Chapter Education Report February 2021

“Progress through Education”

By: Paul Huffman, Education Chairman

FEF News

Upcoming Board Meetings will be held March 14th (virtual) and May 17-18 (on-site) at Michigan Tech. There is also a special Founding Day planned for February 28th when we celebrate virtually our 75-year history. I would like to thank Brian Lewis, our Executive Director, for his leadership in this outstanding organization supporting our industry. More information on FEF can be found at <https://www.fefinc.org/>.

Va Tech News

MSE

We are counting down the weeks until our planned “move in” date of March. It is hard to believe this project has remained relatively on time during this era of covid. Congratulations to our MSE Department employees and the construction team at Va Tech on making the new Holden Hall a reality.



Holden Hall February 2022



Internal Labs under construction

We have also started the virtual interview process in hiring our new Department Chair. After this process is complete the COE will be hosting on-site interviews for this extremely important hire.

VT Fire

Our Key Professor, Dr. Druschitz, will be presenting at our upcoming Regional in Savannah. His topic is Defect and Failure Analysis. I encourage everyone attending our Regional to attend this important presentation.

As if covid was not enough, our foundry portion at Kroehling has been without heat for over two weeks. Due to the cold weather in Blacksburg, our foundry labs have needed to be cancelled with lab temperatures in the 30's. We hope to have this condition repaired very soon.

There is a new website for VT Fire: <https://mse.vt.edu/Research/facilities/Kroehling-Advanced-Materials-Foundry.html> . You may want to bookmark this to stay up on the program and student activities.

Speaking of student activities, I would like to commend our VT students for making the long trip in attending our January meeting in Savannah and Statesboro. Like the trip our GSU students made to Blacksburg last fall, I am enjoying seeing the collaboration and fellowship being developed between these two programs. We currently have 10 VT Fire students attending the upcoming regional.

Southern CORE

Georgia Sothern's AFS chapter is also updating its website with updated information on the chapter. The link to that website can be found here below. I continue to be impressed by our student skills in this area.

<https://sites.google.com/georgiasouthern.edu/americanfoundrysociety/home>

On Jan 25-26, the AFS Cast Iron Research Committee visited Georgia Southern and held their meeting on campus. The committee also gave a series of presentations of 20 GSU students. What a wonderful opportunity for this important research committee to engage with our students.



AFS Cast Iron Research Committee presentation to GSU Students

During our January Piedmont meeting, a total of \$8,000.00 in scholarships were awarded eleven Southern CORE students. During this presentation, the Department Chairs of Mechanical Engineering, Manufacturing Engineering, and the Dean of Engineering spoke to the group. It is exciting to see their commitment to the GSU foundry program and their desire to see it grow. You can feel the enthusiasm in the student and engineering staff faces below.



Southern CORE Scholarship Recipients

After our January program in Savannah, we traveled to Statesboro to tour the Engineering Labs and the Southern CORE Foundry. There continues to be substantial progress in developing this facility. The new Wheelabrator shot blast has been relocated and is hoped to be installed soon. Thank you Wheelabrator for your continuation of support to foundry education.

We Appreciate our Chapter's Website Sponsors

Advanced Energy

Ajax Tocco Magnethermic

Bingham & Taylor

Burleigh Industries

Charlotte Pipe and Foundry Company

Foundry Solutions & Design

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Humtown Products

Inductotherm Corp.

Magma

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Miller – A Consolidated Mill Supply Company

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Premier Magnesia – EnviroBlend

Saint - Gobain

Specialty Foundry Products

W Abrasives

Be a Piedmont Chapter Sponsor!

<http://afspiedmont.org/sponsors>

As a sponsor you will have your company logo displayed on the sponsors page of our website and your company will be listed on every email sent to our chapter members for announcements and news.

Officers

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AFS Piedmont Chapter Leadership 2021-2022

Committee Chairs

Education Chairman

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Registration Chairman

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Recently Rolled OFF

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Workforce & Career Development

Leadership Training & Sustainability

- AFS trains the current and future leaders of metalcasting

Building the Next Generation of Metalcasters

- Student chapters, Institute training, foundry demonstrations, Melting Point magazine and more attract new talent to the industry

Regional Chapters

- Only individual members may join AFS regional chapters

Casting Connection

- Individual members can network, ask questions and get answers from peers through this metalcasting social network

Event Discounts

- Deep discounts on registration for educational and networking events hosted by AFS (Discounts vary)



Education

Instructor-Led Training

- Receive discounts on classes (In-person and online) for new and experienced metalcasters (\$200 discount per person)

Free AFS Members Only Webinars

- All individual members participate in 30+ technical and management webinars (\$250 value per session)

Technical/Management/ Research Support & Innovation

Committee Membership

- Only individual members are eligible to sit on AFS committees, which conduct cutting-edge research and help establish industry standards



Books & Publications

Modern Casting

- A subscription to one of the industry's leading trade magazines, delivered monthly (\$109 value)

Member Connections

- A quarterly publication featuring industry, AFS and chapter news (\$40 value)

Book Discounts

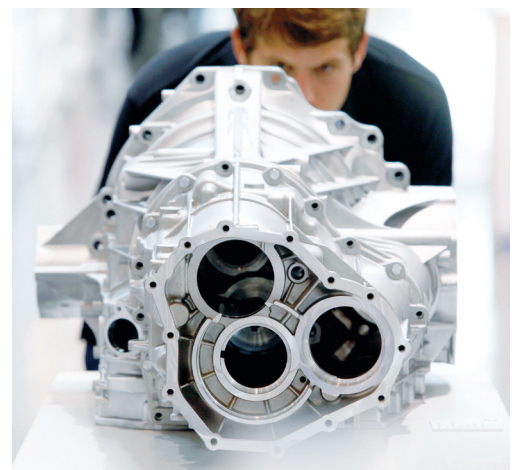
- Get 25% discounts on all AFS-published technical books

AFS Library

- Receive free online access to the AFS Library, the world's largest collection of metalcasting research with more than 15,000+ papers and articles

AFS Insider News

- Stay up-to-date on industry news and AFS events with this weekly e-newsletter



For more information, contact **Kim Farrugia** at **800-537-4237** or **kfarrugia@afsinc.org**.

ADVOCATE. EDUCATE. INNOVATE.



AFS Individual Membership Application

Individual Annual Dues			
<input type="radio"/> Individual	\$140	<input type="radio"/> International Technical	\$255
<input type="radio"/> Corporate Individual	\$75	<input type="radio"/> Teaching Associate	\$70
<input type="radio"/> Retired	\$25	<input type="radio"/> Undergraduate	\$20

Name _____ Job Title _____

Company _____

Address _____

City _____ State _____ Country _____ Zip/Postal Code _____

Tel. _____ e-mail _____

I desire affiliation with the following **AFS Chapter** _____

Do you wish to receive **MODERN CASTING** magazine? Yes No

Which best describes your business?

- Producer of metal castings (foundry, diecaster, ect.)
- Pattern and tooling shop
- Supplier of metalcasting equipment, raw materials or services
- Consultant/consulting engineer
- Research institute/testing lab
- Casting user/designer/buyer
- Educational institute/facility/military
- Other

What metals do you primarily work with?

- Iron
- Steel
- Aluminum
- Copper-base (brass, bronze, ect.)
- Magnesium
- Zinc
- Other _____

What is your reason for joining AFS?

- Boost career success & professional development
- Maximize my technical knowledge
- Deep discounts on AFS events and books
- Strengthen my professional network
- Participate in an AFS committee
- Support the important work of AFS
- Other

Payment Information

Check enclosed (U.S. funds only) **Charge to:** American Express Mastercard Visa

The following information is required to charge your membership:

Account No. _____ Exp. Date _____ Security Code _____

Signature _____ Date _____

Return completed application to:

American Foundry Society | 35169 Eagle Way • Chicago, IL 60678-1351
Tel: 1-847-824-0181 | 1-800-537-4237 | Fax: 1-847-824-7848 | www.afsinc.org | e-mail: AFSmembership@afsinc.org