



AFS launches SupplierMarketplace.net

New web service features experienced suppliers to the metalcasting industry

Whether it's the supply chain crunch or a different approach to

doing business, many foundries are eager to diversify their vendors. But finding a supplier that understands the complexities of the metalcasting business can be a challenge.

That's why AFS recently launched SupplierMarketplace.net, a dynamic online directory that allows visitors to search for suppliers by more than 600 metalcast-

ing-specific keywords.

SupplierMarketplace.net allows metalcasters to easily compare options while qualifying a vendor for consumables, equipment, consulting, or other foundry need, with the knowledge that every company has experience partnering with

Please see Marketplace on Page 9

CastExpo 2022 registration opens

Thousands of people from across the worldwide metalcasting supply chain will network, learn, and do business at North America's largest foundry event when it returns for the first time since 2019.

CastExpo 2022 is coming to the Great Columbus Convention Center on April

23-26, 2022, and registration is now open. Hosted once every three years by AFS, this trade show and congress features exhibits from industry suppliers and metalcasters, full-scale equipment demonstrations, educational sessions on technical and management topics, keynotes, metalcasting classes from the

AFS Institute, and more. The theme, "Future Directions in Metalcasting," reflects the advanced technology and research poised to be presented at the show.

Exhibits, presentations, and featured events at CastExpo incorporate every major alloy, process, and related found-

Please see CastExpo on Page 4



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A “culture of safety” in our foundries

The safety record of America’s manufacturing plants in general, and metalcasting facilities in particular, has improved markedly over recent decades. These improvements reflect the tremendous amounts of time, training, and money that have been invested.

The improvements also reflect an evolution in how foundry leadership views safety.

Decades ago, it was often seen simply as hazard elimination and regulatory compliance coupled with some training for new employees. Today, many if not most metalcasting leaders are embracing the view that “a culture of safety” is essential.

This includes ongoing safety training and continual communication.

Consistent with that viewpoint, there is a sense that foundry safety can and must continue to improve. The American Foundry Society (AFS) is implementing a multi-year focus on helping foundries achieve their best safety record.

At www.afsinc.org/safety, you will find many safety resources and information sources. We also offer a number of safety-related books by expert authors in our AFS online bookstore.

In September, AFS presented a session at the Foundry Leadership Summit about “Safety from the CEO

Perspective.” The panelists -- Angela Dine Schmeisser (St. Marys Foundry), Tom Teske (EJ), Matt Fetter (Metal Technologies Inc.) and Ted Schorn (Enkei America) – emphasized that the focus on optimal safety must begin at the top. Each spoke to the need to make safety the first priority at foundry, and shared personal examples to illustrate this point. The

session, moderated by AFS Safety Committee Chair Brent Charlton (Metal Technologies) was extraordinarily well-received.

In October, the annual Environmental, Safety and Health Conference was held in Birmingham, providing the more than 100 participants with deep

insight into safety best practices, current trends, and regulatory compliance matters. AFS’s Washington D.C.-based lobbyist, Stephanie Salmon, delivered an up-to-the-minute report from the nation’s capital.

On Dec. 7, AFS will present a Members-Only Webinar on “2020 Safety Data and the Year of Covid: What Does it Tell Foundries?” Ted Schorn

will present a deep-dive look at the new statistics, comparing metalcasting’s record with other manufacturing processes, as well as trends among subcategories of metalcasting. Anyone with an individual or corporate membership can attend, and we encourage every foundry to have someone on the webinar on Dec. 7 or to view it after it is archived.

Consistent with this emphasis, in February 2021, a special supplement to Modern Casting will be devoted to safety, health and the environment. We will pack as much information and perspective into that supplement as possible. Suppliers of EHS equipment and resources are encouraged to advertise.

The 2022 AFS EHS Conference is already scheduled for Oct. 4-6, 2022 in Milwaukee. We encourage safety and environmental professionals to mark their calendars.

We encourage foundries to designate a representative to serve on the AFS Safety Committee. Ray Ostrowski, Chair of the Environment, Safety and Health Division, put it this way: “Participating in the AFS Safety Committee is one of the best steps every foundry can take in order to optimize safety, learn from others, and help our industry continually improve our safety record.”

Interested parties can contact Kim Perna at kperna@afsinc.org to explore joining the Safety Committee. We thank you for your own company’s commitment to foundry safety.

Decades ago, it was often seen simply as hazard elimination and regulatory compliance coupled with some training for new employees. Today, many if not most metalcasting leaders are embracing the view that “a culture of safety” is essential.



Foundry EHS achievements honored with division awards

Two eminent foundry EHS experts were among several dozen people and organizations honored by the AFS Environmental, Health & Safety Division at the 33rd EHS Conference in Alabama.

Craig Schmeisser was presented on Oct. 6 with the Childress-Loebler Lifetime Achievement Award, the division's highest honor. Schmeisser, a longtime environmental consultant and the founder of Mad River Strategies, is only the 14th person in AFS history to receive this award.

The Childress-Loebler Award recognizes individuals who, through dedication, innovation, and perseverance throughout their careers, have brought a vision of improved environmental, health, and safety performance to fruition in the metalcasting industry.

Schmeisser has a long track record of service to the foundry industry and to AFS. He is a frequent presenter at conferences and has published nearly a dozen papers on foundry air emissions. He has held numerous leadership positions within the EHS Division and is respected throughout the metalcasting industry for his expertise in the field of foundry air.

"Craig Schmeisser is arguably one of the most unselfish, passionate, hard-working, and dedicated environmental, health and safety experts to ever work within the metalcasting industry," his nomination papers read.

Scholz wins Stone Award

Bob Scholz is the winner of the 2021 Jonathan Stone Outstanding EHS Contribution Award from AFS.

Scholz, senior project manager for TRC Companies, is an accomplished EHS professional whose study on foundry heat stress programs became the basis for a new ASTM heat stress standard. A longtime contributor to the EHS Division and a frequent speaker at many conferences, Scholz's work in the industry stretches over 50 years.

The Jonathan Stone Award recognizes individuals who have made a significant and valuable EHS-related contribution to the industry in the recent past and who provide exemplary service to the industry. "Bob Scholz's contributions to the



Craig Schmeisser, left, accepts the Childress-Loebler Lifetime Achievement Award from EHS Division Chair Ray Ostrowski.

metalcasting industry have been innumerable and of the highest standard," his award presentation said. "We are all more knowledgeable and safer because of the outstanding work Bob has provided."

Other EHS Division awards

Gary E. Mosher New Member Award

Recognizes people who actively participate in committee activities and who make a meaningful contribution during their first two years of membership.

- Wesley Fleming, Senior Project Engineer, Keramida, Inc.

Since joining AFS, Wesley Fleming has been active in both the Air Quality Committee and the Water, Waste, & By-Products Management Committee, where he has worked on the subcommittee which updated AFS's Beneficial Reuse Manual. He has also provided valuable input on EPA's e-manifesting developments.

EHS Division Service Citations

- Bob Forrester, Director of HSE at Neptune Technology Group, Tallahassee, AL

For years of active service on the Safety & Health Committee.

- Bryant Esch, Director of Environmental Engineering at Waupaca Foundry, Waupaca, WI

For years of active committee service and recent leadership of the Water, Waste, & By-Products Management Committee.

- Earl Miller, Director of Innovation & Engineering at Hiler Industries, Accurate Castings, LaPorte, IN

For years of active committee service to all 3 EHS technical committees.

- Jenny Pappalardo, Environmental Engineer with Charlotte Pipe & Foundry Co., Charlotte, NC

For years of active service on Air Quality & WWBPM committees and her service as secretary of the WWBPM committee.

- Jeff Krause, Director, Environmental, Health & Safety at HA International, Westmont, IL

For years of active service on all 3 EHS technical committees.

- Martin Stromberger, Senior Project Manager, TRC, West Allis, WI

For years of service to the Air Quality Committee.

Millionaires Safety Award

For facilities which have achieved one-million hours, or any million-hour increment, without a lost-time incident.

- EJ

Safe Year Awards

For facilities which have achieved 365 calendar days without a lost-time accident.

- Buck Company
- Grede – Iron Mountain
- Grede – Menomonee Falls
- Metal Technologies
- Mueller Water Products Company
- Supreme Core Holdings, LLC – Alabaster
- Supreme Core Holdings, LLC – South Carolina
- Advanced Cast Products, Inc.
- Emerson Appleton Group LLC – South Milwaukee Foundry
- JR Hoe & Sons
- Lethbridge Iron Works Co. Ltd.
- Lincoln Electric Automation, Inc.
- Manitowoc Grey Iron Foundry
- Stainless Foundry & Engineering, Inc.

AFS to debut online conference for smaller foundries

In the U.S. alone, AFS estimates there are more than 500 small and mid-size metalcasting plants. Unlike some of their larger counterparts, these are often family-owned operations with limited resources and a staff that fills multiple roles. They're nimble, adaptable, and good at doing more with less.

These smaller companies make up a hugely important part of the foundry industry, and they have unique challenges -- and opportunities -- that differ from larger operations. This winter, AFS will present a virtual conference tailored specifically to their needs: Operations and Profitability in Small and Midsize Foundries.

Going live online Feb. 14-17, this immersive web conference will cover technical

and business issues faced by smaller foundries, with presentations from experts who have experience working with and for this unique sector of the industry.

Conference topics include creating a safety-first culture, establishing quality assurance programs, addressing the worker shortage, winning new customers,

OPERATIONS AND PROFITABILITY IN SMALL AND MIDSIZE FOUNDRIES

When: Feb. 14-17
Where: Online
Registration: afsinc.org/conferences

taking advantage of automation opportunities, reducing energy costs, and other issues of interest to smaller metalcasters. All discussions and sessions will be designed specifically for the small and mid-size foundry sector.

This event is aimed at owners, operators, officers, and anyone who handles production or management duties in a small or midsize foundry. There is no upper limit on the number of employees a company should have to attend – if metalcasters believe they will benefit from this information, they are invited to participate.

Registration is \$350 for AFS members and \$525 for non-members. For more information or to sign up, visit www.afsinc.org/conferences.

CastExpo continued from Page 1

ry and manufacturing topic. The event attracts people at all stages of their careers, ranging from executives and managers to technicians, engineers, sales staff, researchers, and educators. In addition to content for metalcasters, a unique series of training sessions just for casting designers and buyers is offered on the exhibit floor, so OEM representatives are encouraged to

CASTEXPO 2022

When: April 23-26, 2022
Where: Greater Columbus Convention Center, Columbus, OH
Registration: CastExpo.com

attend, as well.

There are two ways to experience CastExpo. The all-inclusive Education Pass gives access to the full show, including every technical and management session, all Institute courses, keynotes, the Hoyt Memorial Lecture, the Designers and Buyers Track, and the exhibit floor. People who are primarily interested in exhibits, plus keynotes, the Hoyt Memorial Lecture, and Designers and Buyers Track presentations should opt for the Exhibits Pass.

Early registration discounts end Feb. 15. To learn more and to register, visit www.castexpo.com.



Exhibit at CastExpo 2022

A limited number of CastExpo exhibits for North American metalcasters and worldwide industry suppliers are still available. To learn more about exhibiting at CastExpo, visit www.castexpo.com.

CASTEXPO EXHIBITS, PRESENTATIONS, AND PANELS COVER:

- Advanced Process Automation
- Advanced Robotics
- Additive Manufacturing
- Artificial Intelligence & Machine Learning
- Augmented Reality & Virtual Reality
- Big Data & Analytics
- Casting Conversions
- Cybersecurity
- Defect Elimination & Casting Quality
- Design Optimization & Light-Weighting
- Energy Efficiency
- Environmental, Health & Safety
- Ferrous & Non-Ferrous Castings
- Foundry Equipment: New for 2022
- Industrial Internet of Things
- Insurance, Financial Solutions & Consulting
- Machining & Finishing
- Metallurgy & Melt Quality
- Molds, Binders & Additives
- Public Policy & Regulation
- Reshoring
- Sand Quality
- Simulation
- Supply Chain & Logistics
- Wearable Technologies
- Workforce Success
- And More



AFS UPCOMING

WEBINARS | CONFERENCES | CLASSES

Leading metalcasting information and events, only from AFS. Free or discounted rates for members.

WEBINARS

Webinars are free to AFS members.

January 6, 2022 1 p.m. CT LIVE ONLINE	METALMORPHASIS CHANGE AND TRANSITION	January 18, 2022 1 p.m. CT LIVE ONLINE	HOT TEARING SUSCEPTIBILITY OF AL-ZN ALLOYS	February 2, 2022 1 p.m. CT LIVE ONLINE	LOST FOAM STAINLESS STEEL
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CONFERENCES

Discounts for AFS members.

February 14 - 17, 2022 LIVE ONLINE	OPERATIONS AND PROFITABILITY IN SMALL AND MIDSIZE FOUNDRIES	March 1 - 2, 2022 Schaumburg, IL	2022 ADVANCED WASTE SEMINAR	March 3 - 4, 2022 Schaumburg, IL	2022 ADVANCED FOUNDRY AIR SEMINAR	April 23 - 26, 2022 Columbus, OH	CASTEXPO 2022	May 18 - 20, 2022 Schaumburg, IL	2022 MANAGEMENT AND DEVELOPMENT SUMMIT
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AFS INSTITUTE CLASSES

December 14 - 16, 2021 Noon - 4 p.m. CT LIVE ONLINE	CASTING COST ESTIMATING	January 11 - 12, 2022 Noon - 4 p.m. CT LIVE ONLINE	STEEL METALCASTING 101	January 18 - 20, 2022 Noon - 4 p.m. CT LIVE ONLINE	INTRODUCTION TO METALCASTING
January 25 - 27, 2022 Noon - 4 p.m. CT LIVE ONLINE	GREEN SAND MOLDING 201	February 1 - 3, 2022 Noon - 4 p.m. CT LIVE ONLINE	GATING AND RISER DESIGN 201	February 22 - 24, 2022 Noon - 4 p.m. CT LIVE ONLINE	IRON MELTING 201
March 8 - 10, 2022 Noon - 4 p.m. CT LIVE ONLINE	CASTING DEFECT ANALYSIS	March 22 - 24, 2022 Noon - 4 p.m. CT LIVE ONLINE	CASTING DESIGN		

Discounts for AFS members.

View more upcoming events & register at afsinc.org

Infrastructure package benefits U.S. metalcasters

Includes historic investments in transportation and water

A bipartisan infrastructure package supported by AFS was signed into law on Nov. 15 by President Biden.

The Infrastructure Investment and Jobs Act (IIJA) is a sweeping, \$1.2 trillion law that includes historic investment in essential American infrastructure served by the metalcasting industry. IIJA contains \$550 billion in new spending to improve roads, bridges, water systems, freight and passenger rail, public transit, ports and airports, grid security and resiliency, and clean energy programs, among other things. These sectors are reliant on highly engineered metal castings, and much-needed investment will increase demand for components from U.S. foundries.

IIJA also strengthens Buy America preferences for iron, steel, and manufactured products, as well as improving and tightening waiver processes.

“We applaud Congress for passing a comprehensive infrastructure bill which provides targeted, robust funding over

five years to modernize our nation’s crumbling infrastructure and water systems,” said AFS CEO Doug Kurkul. “U.S. metalcasters are key suppliers of critical metal castings to the construction, rail, energy, road building, and waterworks sectors, and will play a vital role in supporting these key projects moving forward.”

Infrastructure was important part of AFS legislative agenda and efforts

Infrastructure investment was a key part of AFS’s 2021 legislative agenda and an important component of an AFS message to U.S. Secretary of Transportation Pete Buttigieg. AFS staff worked closely and met with dozens of congressional lawmakers and staff to ensure the metalcasting industry’s legislative priorities – including increased funding for drinking and wastewater systems, roads, bridges, highways, ports and rail; strengthened Buy American preferences for ferrous and nonferrous castings; and the DRIVE-Safe Act – were included in the final package.

In addition, AFS submitted comments to the Commerce Department and shared them with lawmakers regarding metalcasting concerns with our nation’s

IIJA Investments - Key Areas

- Rebuild roads and bridges (\$110 billion)
- Improve public transit systems (\$39.2 billion)
- Expand passenger rail and cover rail safety (\$66 billion)
- Upgrade ports and waterways (\$16.6 billion)
- Upgrade airports (\$25 billion)
- Invest in broadband infrastructure (\$65 billion)
- Fix water systems (\$55 billion)
- Modernize the power sector (\$65 billion)
- Improve climate resilience (\$47.2 billion)

continued dependence on critical minerals, particularly from China, and were strong supporters of provisions to expand efforts to mine, process, reclaim and recycle critical minerals, which also were included in the final package.

For additional information regarding IIJA, contact Stephanie Salmon, AFS Washington Office, at ssalmon@afsinc.org.

AFS calls on Congress to reject tax hikes on businesses

AFS is urging lawmakers to reject a plan from the Biden Administration to fund the Build Back Better initiative by burdening businesses.

AFS and more than 100 other trade associations delivered a letter to House and Senate leaders on Nov. 3, warning them that the tax hikes under consideration in the BBB framework would target S-Corporations – many of them family-owned operations with modest revenues – through its treatment of taxable trusts.

Please see Taxes on Page 9

Take action on crucial supply chain problems, AFS urges policymakers

Solving the truck driver shortage would help to ease the nation’s supply chain challenges, and so AFS joined with more than 100 organizations calling on the Biden Administration to act on this crucial issue.

In an open letter shared with the White House and Congressional staffers this fall, the coalition suggested five actions that would reduce strain on supply chains, primarily by increasing the number of truckers on the road: implementing the Younger Driver Pilot Program, promoting transportation and supply chain careers, allowing flexibility in vaccine mandates, hours of service relief, and working to minimize bottlenecks in ports.

The signatories, which include trade

associations covering dozens of industries, said they stand ready to help deploy these programs.

“While we represent different industries, we share the common burden of current supply chain disruptions, which are driving up prices and leading to a growing shortage of goods in the United States, with the holidays just around the corner,” the letter reads. “As business leaders and proud Americans, we are firmly committed to this country’s economic recovery. We are working to usher in a return to normalcy and striving to help all Americans enjoy a better way of life by providing them with access to the essential products and supplies they need.”

Began joins as Vice President, Metalcasting Technical Services

Robison to help with transition through June

A metalcaster with extensive experience on AFS committees, and in technical and business roles, joined AFS this fall as a vice president.

Brian Began started on Oct. 25 as Vice President, Metalcasting Technical Services. He came to AFS from ASM International, his former employer.

Began brings a strong technical and business background to AFS, including:

- 23 years in key roles with AFS Corporate Member Foseco Inc.
- Materials science degree from Case Western Reserve University

- MBA from Ashland University
- Green Belt in Six Sigma from the University of Akron
- Vice Chair, AFS Technical Council
- Past Chair, AFS Aluminum & Light Metals Division

• Extensive scholarly activity, research papers and presentations

“Brian’s exceptional technical background, strong administrative skills, and deep familiarity with AFS will allow him to hit the ground running in serving AFS members and advancing the technical success of the metalcasting industry,”



Brian Began

said Doug Kurkul, CEO of AFS.

AFS also announced that Steve Robison, who has served AFS and its members with distinction for 26 years, will remain with AFS in a part-time capacity through June of 2022.

“We are grateful to Steve for his years of distinguished service, as well as his commitment to a seamless transition and seeing through AFS’s portfolio of important research projects,” Kurkul added.

At the AFS Technical Council, Began stepped away from his Vice Chair role under Chair Dave Weiss (Eck Industries). Adam Kopper (Mercury Marine) moved up to Vice Chair and Tim Hoyt (Allied Mineral Products) moved up to Secretary.

AFS presents at DLA-AMC Project Review Conference

AFS was represented by staff members Brian Began, Tom Doré, Doug Kurkul, and Steve Robison along with Alan Druschitz, Tom Prucha, Jiten Shah,

Frank Headington, and Dave Weiss at 2021 American Metalcasting Consortium Technology Review meetings in November.

Experts presented on several research and industrial initiatives, including cast-metal lattice structures for lightweight applications, integration of ICME tools in casting design and process optimization for intelligent manufacturing, the CADs (Casting Alloy Database Selec-



tor) database development, and dispersion methods for nano-composite castings, among other topics. The next AMC Technology Review Meeting is scheduled for Aug. 17-18, 2022.

Call is out for Foundry Industry 4.0 papers and presentations

Key topics include data, AI, AR, robotics, cyber and more

AFS is seeking papers and presentations on digital manufacturing and how it affects all manufacturing processes. These papers will be presented at the 2022 Foundry 4.0 Conference, scheduled for June 25-27 in Itasca, Illinois, near O'Hare Airport.

Key topics include data collection, data management, data-driven decision-making, data communication standards and practices, artificial intelligence, augmented reality, wearable technology, robotics and cobots, automation, cybersecurity, and the related issues of cultural transformation, workforce development, recruiting, and training.

AFS also is seeking practical case studies demonstrating the successful implementation of digital technologies.

Proposals are due by Jan. 11, 2022. Submit potential presentations, including topic and abstract, to AFS Senior Technical Associate Bo Wallace at bwallace@afsinc.org.

AFS Submits Comments to DOE on Clean Energy Manufacturing Institute

AFS submitted comments to a Request for Information from the Advanced Manufacturing Office (AMO) of the U.S. Department of Energy (DOE) to refine the scope of a potential new Clean Energy Manufacturing Institute. AMO sought comments to address the technical challenges related to emissions reduction and decarbonization of the U.S. industrial sector and the scope of challenges that are best suited to be addressed through an Institute rather than other funding mechanisms.

AFS’s response, delivered in October, was spearheaded by Washington advocate Stephanie Salmon and Tom Doré in the Technical Services Department, who summarized AFS member input to form the basis of the comments. If you are with a Corporate Member company and would like to receive a copy of the AFS comments, please email Stephanie at ssalmon@afsinc.org or Tom at tdore@afsinc.org.



AFS Institute Foundry E-Learning

Many of America's leading foundries rely on Foundry E-Learning to equip their employees for metalcasting success. It is affordable, simple to administer and perfect for foundries of every size.

Recommended By:



John Harvey
Direct Sales
Benton Foundry



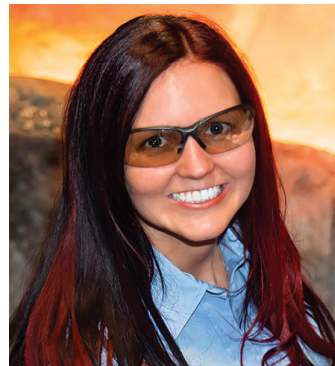
Trent Rousey
Sales Manager
Decatur Foundry



Jane Fischer
Manager of Training &
Development
Waupaca Foundry



Glenn Huneycutt
Safety & Health Manager
Charlotte Pipe & Foundry



Jordan Brown
Vice President
BCI Solutions, Inc.

Contact **Jen Christian**, Director of Training Solutions, at jchristian@afsinc.org, to discuss your foundry's training needs or to schedule a free, no-obligation demonstration.

2022 Forecast & Trends headed to Corporate Members

The latest economic data for the metalcasting industry will be included in the new edition of *AFS Metalcasting Forecast & Trends*, coming in January 2022.

The biannual *Forecast* includes foundry-specific industry data, projections, and other economic information. The report draws on comprehensive business surveys from the Census Bureau, Bureau of Labor

Statistics, AFS, and other agencies.

Featured in the *Forecast* are anticipated revenue benchmarks, plus cost, capital, and profit benchmarks. It includes snapshots of industry payroll, productivity, product line growth, and other data which



can be used for benchmarking, budgeting, and business planning.

Every AFS Corporate Member receives a copy of this report via email. Non-members may purchase it from the AFS Store at www.afsinc.org/store.

Those wishing to explore upgrading from Individual to Corporate Memberships may contact Kim Farrugia at kfarrugia@afsinc.org.

Cyber insurance available for Corporate Members

AFS Corporate Members have a simple and effective way to protect

their digital assets thanks to a new partnership between AFS and the National Association of Manufacturers.

NAM Cyber Cover is a cybersecurity insurance and risk mitigation program created especially for manufacturers and available to most AFS Corporate Members. Manufacturers are among the top

targets of malicious hackers, who can hold servers for ransom, steal intellectual property and engage in corporate espionage, and even interfere with machinery.

NAM Cyber Cover through AFS gives Corporate Member companies the ad-

Please see Cyber on Page 12

Taxes continued from Page 6

“The White House ... suggests the new surtax would impose a 5 percent tax on a taxpayer’s modified adjusted gross income over \$10 million, and 8 percent in excess of \$25 million. For pass-through businesses held in trust, however, these thresholds are fifty times lower -- \$200,000 and \$500,000, respectively. You don’t have to be a very big business to

earn \$200,000,” the letter reads.

The result would be an unchanged tax rate of 21 percent on large corporations, and a top rate of more than 50 percent on smaller businesses. The coalition called on lawmakers to focus on policies that encourage job growth and investment, rather than further taxing S-Corporations.

“These businesses just survived a global pandemic and for Congress to impose

massive tax hikes on them, with rates exceeding 50 percent in some cases, would be incredibly damaging,” the letter reads. “... Individually- and family-owned businesses comprise nearly all businesses in the United States and employ the vast majority of private-sector workers. Yet the framework would significantly increase rates on those businesses at income levels well below the advertised thresholds.

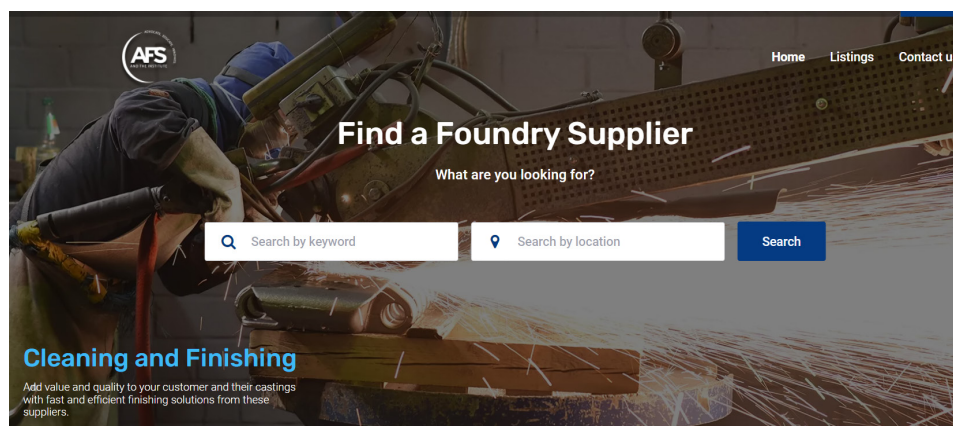
Marketplace continued from Page 1

foundry customers.

Every supplier listed on SupplierMarketplace.net is a Corporate Member of AFS, so they have extensive experience working with foundries, and they have a strong commitment to the industry. Suppliers, in turn, are able to shape their profiles with custom descriptions, photos, links, videos, and more.

Services and products offered by suppliers cover every aspect of metalcasting, but major categories are melting, pouring and heat treatment; mold, core and sand preparation; cleaning and finishing; laboratory and testing; and safety and environmental.

To begin your search for a foundry supplier, visit www.suppliermarketplace.net.



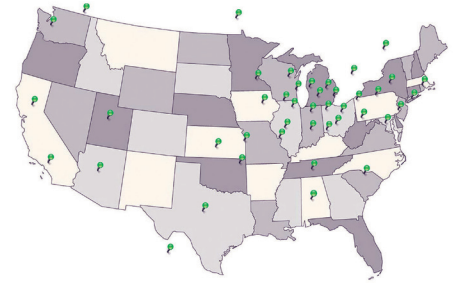
Claim your listing

Has your AFS Corporate Member supplier company claimed its complimentary listing? If not, you can customize your profile at SupplierMarketplace.net. Simply create an account with your company email, find your profile, and click "Claim it here." AFS will verify your identity.

AFS Chapter Directory and Updates

AFS provides the means for you to network with metalcasters in your area. Chapters are planning meetings across the country. To see the full calendar, find chapter contact details, or for more information, visit www.AFSinc.org/chapters or email Ben Yates at byates@afsinc.org.

Chapter leaders: please send items for future issues of *Member Connections* to Katelyn Stanek at kstanek@afsinc.org. **Include your chapter's meetings in the AFS Chapter Calendar!** Email your event invitation to membership@afsinc.org.



MIDWEST

CAC-Ohio

(Cleveland/Akron/Canton, Ohio region)

<http://cacohioafs.org>

Central Illinois

Central Indiana

<https://afscic.org>

Central Michigan

<https://www.facebook.com/afscentralmi>

Central Ohio

<http://www.afscentralohio.org>
The Central Ohio Chapter has a full array of events planned for 2021-2022. The Chapter is also working closely with AFS National to promote CastExpo 2022, being held April 23-26 in Columbus.

Chicago

<https://www.chicagoafs.org>
The Chicago chapter is seeking volunteers to help plan and execute 2022 programming. Please contact Norwin Merens at nmerens@sbcglobal.net to volunteer or learn more.

Detroit/Windsor

<https://afsdetroit.square.site>
The Detroit-Windsor Chapter held a joint virtual meeting with the Detroit chapter of ASM International on Oct. 11.

Hawkeye

(Iowa region)
<http://afshawkeye.wixsite.com/afshawkeye>

Mo-Kan

(Missouri/Kansas region)
<http://www.afs-mokan.org/>

Northeastern Wisconsin

<http://www.afsnew.org>

Northern Indiana

<http://www.afsnin.org>

Plains States

(Great Plains region)
The Plains States Chapter held a dinner and technical meeting on Nov. 11 in Haysville, Kansas. The speaker was Jason Moore and the theme was "Sex, Drugs and Rock & Roll," covering equality, medical marijuana stipulations, and hearing protection.

Saginaw Valley

<http://www.saginawvalleyafs.org>
The Saginaw Valley Chapter held its annual Past Chairmen Night on Nov. 4. On Dec. 2, they will host their Holiday Invitational dinner along with the GM Retirees Club in Frankenmuth, Michigan. For information, contact Sue Manyen at smanyen@comcast.net.

Southwestern Ohio

St. Louis

<http://afsstl.org>

Stateline

(Northern Illinois/Southern Wisconsin region)

Toledo

The Toledo Chapter is seeking volunteers to help plan and execute future programming. Please contact AFS Board member Pat Carlin at pcarlin@saalloys.com to volunteer or learn more.

Tri-State

(Oklahoma/Kansas/Arkansas region)

Twin Cities

(Minnesota region)
<http://afstwincities.org>

Western Michigan

<http://westmichiganafs.com>

Wisconsin

<https://www.wisconsinafs.org>
The Wisconsin Chapter's Christmas party is Dec. 3 at Potawatomi Hotel & Casino in Milwaukee.

EAST

Central New York

Mid-Atlantic

<https://midatlantic.afschaptersites.com>

New England

<http://www.newenglandafs.com>
The New England Chapter will host its holiday party on Dec. 4 at Portsmouth Brewery in Portsmouth, New Hampshire. Last month, members held a hybrid Lunch & Learn event in Nashua, New Hampshire, featuring a presentation from public health director Thomas Carbone, who discussed navigating COVID.

Northwestern Pennsylvania

<http://www.nwpaafs.org/index.html>

Pittsburgh

<https://www.facebook.com/AFSPITT>
AFS Board member David Gilson gave a talk on Foundry 4.0 to the Pittsburgh Chapter in October. In November, chapter had a meeting which included a presentation by Sherri McCleary, Executive Director of the Digital Foundry at New Kensington.

SOUTH

Birmingham District

(Alabama region)
<https://www.afsbirmingham.com>
<https://www.facebook.com/afsbham>
The Birmingham Chapter hosted a successful Southeastern Regional in September in Point Clear, AL. This was the 88th installment of this event.

Piedmont

(Southeast U.S. region)
<http://afspiedmont.org>

Tennessee

<http://www.afs-tn.org>
Members of the Tennessee Chapter gathered for a meeting in Chattanooga on Oct. 4. The speaker was David Fletcher of Lodge Cast Iron, whose topic was "Successful Failures in Thinwall CGI Development." The chapter has a technical presentation and sporting clay competition on Dec. 7 in Charleston.

Texas

<http://www.afstexas.org>

WEST

Northern California

<http://www.afsnorcal.org>

Southern California

<http://www.afssocal.org>

Utah

Washington

MEXICO

North Mexico

CANADA

British Columbia

<http://afsbcc.ca>

Detroit/Windsor

<https://afsdetroit.square.site>

Eastern Canada

<http://www.afsestcanada.org>

Ontario

<http://afsontario.ca>
The AFS Ontario Chapter hosted a technical talk by Dr. John Campbell in October. The chapter plans to hold a virtual auction to raise funds for scholarships.

Missouri S&T student wins Modern Casting scholarship

A student from Missouri University of Science & Technology was awarded this year's *Modern Casting* Partners Scholarship during the College Industry Conference on Nov. 19.

Joseph Watwood was presented with the scholarship by AFS President Michael Lenahan during an awards banquet in Chicago. Hosted by the Foundry Educational Foundation, the College Industry Conference attracts more than 100 talented metalcasting students for several days of interviews and networking with employers from across the industry.

The *Modern Casting* Partners Scholarship is awarded annually to an exceptional student who is studying to enter the



Joseph Watwood, left, is presented with the 2021 *Modern Casting* Partners Scholarship by AFS President Michael Lenahan.



All scholarship recipients gather for a group photo at the 2021 College Industry Conference in Chicago.

metalcasting profession. The scholarship endowment is funded by proceeds received by *Modern Casting* from advertising purchased by companies to commemorate FEF's 50th anniversary in the magazine's September 1997 issue.

The scholarship from *Modern Casting* was one of dozens presented by companies, trusts, and industry organizations at the banquet. Others connected to AFS in-

cluded the Norman P. Lillybeck Memorial Scholarship, organized by the AFS Cupola Committee, which went to two students: Clayton Barlow of Purdue University and Chad Steedle of the University of Wisconsin-Platteville. The AFS-Southwestern Ohio Scholarship, established by the AFS Southwestern Ohio Chapter, was awarded to Western Michigan University's Michael McGruder.



CONGRESSMAN VISITS AMSTED RAIL

U.S. Rep. Michael Bost (R-IL) visits AFS Corporate Member Amsted Rail's Granite City plant on Oct. 6, 2021. The facility produces couplers, yokes, truck side frames, truck bolsters, draft sills, and articulated connectors. Pictured, from left, are: Matt London, Director Government Affairs; Matt Cook, Chief Operations Officer-ASF Truck Systems; Rep. Bost; Donnie Chandler, Vice President Operations-ASF; and Patrick Ameen, Vice President Industry Relations and AFS Board member.

WIM

Nominations Open for 2022 Women in Metalcasting Award for Excellence

AFS is accepting nominations for the 2022 Women in Metalcasting Award for Excellence. The WIM Award for Excellence is given annually to a person who has been an exceptional leader, champion, mentor and/or role model for women in the metalcasting industry. The deadline to submit nominations is Dec. 6. For a nomination form, email Katie Matticks at kmatticks@afsinc.org.



Longtime advertising rep to retire this winter

After nearly four decades of working with *Modern Casting* magazine advertisers, Joe Murphy is retiring.



Joe Murphy

Murphy, an advertising sales representative who worked with companies located in the Northeast, Southeast, Ohio, and Eastern Canada, has been a contractor for AFS's flagship publication since 1982. His last day with the magazine will be Dec. 31.

"As with any retirement, this is a bit-

tersweet moment," said AFS CEO Doug Kurkul. "We are happy for Joe and his family, yet we are sorry to see his time with us come to a conclusion. Joe has been a huge part of *Modern Casting's* success over the years. ... Suppliers have appreciated Joe's commitment to helping them get the maximum value and visibility for their advertising dollar as well as his knowledge and professionalism."



Fabio Cavalieri

Taking over for Murphy in 2022 will be two established AFS employees, Fabio Cavalieri and Dave Kathe, who will split responsibilities for working with advertisers in *Modern Casting*, *Casting Source*, and AFS digital products. Both already work as advertising sales representatives for AFS magazines. Cavalieri was hired in 2017 and Kathe joined in 2019. To reach them, email fabio@afsinc.org or dkathe@afsinc.org.



Dave Kathe

Cyber continued from Page 9

vantage of insuring some of their most valuable resources – their digital properties – against cyber threats while also providing them with a risk assessment to

identify areas of vulnerability.

This program is available to all AFS member foundries, as well as member suppliers who fall within the manufacturing NAICS code ranges of 31-33.

To learn about the benefits and terms

of this coverage for AFS members, contact Ben Yates in AFS Business Development at byates@afsinc.org or (847) 824-0181 ext. 205. For more information and to get your complementary Cyber Risk Analysis, visit www.ahtins.com/nam-cyber-cover-afs.



AFS Institute

UPCOMING LIVE ONLINE COURSES

The *AFS Institute* offers introductory and career-advancing courses *Live, Online via Zoom*. Get the tools and knowledge you need from the comfort of your own home or office.

Check out all the *AFS Institute's* upcoming courses online at www.afsinc.org/courses.

Questions?

Contact *Jen Christian*, Director of Training Solutions, at jchristian@afsinc.org.

Steel Metalcasting 101

Jan. 11 - 12 | Noon - 4 p.m. CT

This course provides participants an introduction covering the characteristics and properties of steel, alloying elements and grades of steel, heat treatment, quality control, as well as considerations for working with steel cast parts.

Introduction to Metalcasting

Jan. 18 - 20 | Noon - 4 p.m. CT

This course introduces the process of metalcasting. It provides a broad picture of what happens in a casting production facility, while illustrating the technology, variables and complexity involved in producing a casting.

Green Sand Molding 201*

Jan. 25 - 27 | Noon - 4 p.m. CT

This course provides participants with the next level of knowledge related to the sand molding processes used within green sand foundries.

Gating & Riser Design 201*

Feb. 1 - 3 | Noon - 4 p.m. CT

A continuation of Gating & Riser Design 101 with an emphasis on application of sands, chill, sleeves, and other thermal control properties, fluid flow principles and filtration, and your facilities process parameter ranges to positively change casting quality.

*No prerequisites required.

AFS WELCOMES NEW CORPORATE MEMBERS

Through Nov. 15, 2021



Aluminum Alloys
Reading, Pennsylvania



Canfield & Joseph Inc.
Tulsa, Oklahoma



Clemex Technologies Inc.
Longueuil, Quebec, Canada

**Eastern Tank & Utility
Services**
Princeton, West Virginia



Enterprise Casting Corporation
Lewiston, Maine



Guardian Bandsaw
*Mt. Wellington, Auckland,
New Zealand*



JOEST
Glen Ellyn, Illinois



Magnus Metals
Rehovot, Israel



**SCIENTIFIC
DUST COLLECTORS**
Scientific Dust Collectors
Alsip, Illinois



States Engineering
Fort Wayne, Indiana



Viking Blast & Wash Systems
Rose Hill, Kansas

AFS EVENTS

Operations and Profitability in Small and Midsize Foundries | Live online | Feb. 14-17

2022 Advanced Waste Seminar | Schaumburg, IL | March 1-2

2022 Advanced Foundry Air Seminar | Schaumburg, IL | March 3-4

CastExpo 2022 | Columbus, OH | April 23-26

2022 Management Training and Development Summit | Schaumburg, IL | May 18-20

2022 Government Affairs Fly-In | Washington, D.C. | June 7-8

INSTITUTE COURSES

Gating and Riser Design 101: Live Online | Dec. 1-3, noon-4 p.m. (CT)

Aluminum Metallurgy 201: Live Online | Dec. 6-8, noon-4 p.m. (CT)

Casting Cost Estimating: Live Online | Dec. 14-16, noon-4 p.m. (CT)

Steel Metalcasting 101: Live Online | Jan. 11-12, noon-4 p.m. (CT)

Introduction to Metalcasting: Live Online | Jan. 18-20, noon-4 p.m. (CT)

2020-2021 AFS OFFICERS

Michael L. Lenahan, President
Senior Industrial Sales
Badger Mining Corp.

Adam San Solo, Vice President
Vice President - Infrastructure
Neenah Enterprises

Bradford Muller, 2nd Vice President
Vice President of Marketing
Charlotte Pipe & Foundry

Peter C. Reich, Immediate Past President
Co-Owner
LAEMPE REICH

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Member Connections is a newsletter for all current **AFS members**. Send all inquiries to Katelyn Stanek at kstanek@afsinc.org or 847-824-0181 ext. 286.

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Locate supplier partners to ensure the critical success of your melt quality and process.

SUPPLIER MARKETPLACE

Featuring high-performance SEO capabilities and built-in flexibility, SupplierMarketplace.net empowers metalcasters worldwide to find the right vendor by keyword, location, and over 600 product categories. Company profiles include direct links, videos, marketing materials, contact details, traffic reports, and even lead generation.

As part of our commitment to superior member service, this exclusive online marketplace will list and highlight only those suppliers which are AFS Corporate Members – and it's included at no additional cost.

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