

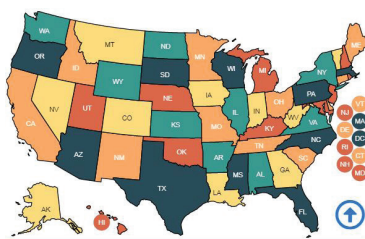
## Industry's footprint: \$110.52 billion in total impact

A comprehensive new study released by AFS shows the powerful effect metalcasting has on the U.S. economy

The coronavirus pandemic has exposed the urgent need to diversify our supply chains and build up strong, local manufacturing capabilities. Now, a new study commissioned by AFS shows just how crucial U.S. foundries – the bedrock of the entire manufacturing base – are to the nation's economy, as well.

The U.S. metalcasting industry has a total national economic benefit of \$110.52 billion, according to the AFS Foundry Industry 2020 Economic Impact Analysis, with a direct impact of more than \$44 billion. Foundries account for almost 500,000 jobs in the U.S., the study found.

The Economic Impact Analysis is the most comprehensive analysis



Nation

Economic Impact Report
  Economic Impact Table

View

State

Congressional District

The Economic Impact Analysis website includes a searchable map providing data by state or congressional district.

undertaken by AFS in many years. It documents the U.S. metalcasting industry's economic footprint by state, congressional district, and nationally. It incorporates direct, supplier and induced impacts.

"Much has changed since we contemplated this project last year. The pandemic has affected every

Please see Impact on Page 6

American Metalcasting accounts for more than

# \$110.52 BILLION

## IN ECONOMIC OUTPUT

Ripple Effect of the Metalcasting Industry

- 1 DIRECT IMPACT:** Metalcasting Industry
- 2 SUPPLIER IMPACT:** Suppliers to the Metalcasting Industry
- 3 INDUCED IMPACT:** Household spending by employees of the Metalcasting Industry & its suppliers

**TOTAL IMPACT OF THE INDUSTRY**

### Economic Impact

American Metalcasting jobs pay

# \$32.16 BILLION

## IN WAGES & BENEFITS

### Jobs

The Metalcasting Industry accounts for over

# 490,000 JOBS

when considering direct, indirect, and induced (related) impacts.

## Leaders in biz, sports and more to present at Foundry Leadership Summit

One of the world's leading speakers on global trends and disruptive innovation will join a slate of presenters from across business, industry, entertainment and sports during the

annual Foundry Leadership Summit, Sept. 20-22 in Lake Tahoe, California.

Daniel Burrus is a strategic advisor to Fortune 500 executives who was named by the *New York Times* as one of the

world's most in-demand business speakers. He will discuss his methods for capitalizing on technology innovations.

The Foundry Leadership Summit brings together metalcasting



Daniel Burrus

Please see FLS on Page 6



Ask a technical question, answer a question with  
**Casting Connection**



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**@AmerFoundrySoc**

# Reaffirmed: Metalcasting is essential

When the nation's governors began announcing policies to reduce the spread of COVID-19 this past spring, one of their first decisions was which types of businesses needed to remain open as essential industries. Most of the governors quickly realized that metalcasters are truly essential to our economy and our way of life. In certain states where governors were slow to recognize foundries as essential, the American Foundry Society contacted those governors, often in conjunction with state metalcasting leaders, to emphasize that strong case.

## Dedicated Service to Fellow Citizens.

Our doctors, nurses and first responders have demonstrated unparalleled heroism these past several months, risking their own lives to serve others. We are all in their debt. They are not the only ones who are doing yeoman's work during the pandemic. We can all take rightful pride in the decisive steps that our foundries and their employees have taken to maintain casting production while also protecting health and safety. New protocols have been instituted to continually clean surfaces, stagger work hours, take temperatures upon entry, and ensure social distancing on the plant floor, as well as in break rooms and locker-room facilities. In addition to producing castings that are essential to national defense, infrastructure and other purposes, numerous metalcasters and foundry suppliers quickly adapted their product lines to manufacture parts used in respirators, x-ray carts, masks, and more. AFS has

been publicizing these stories to help key audiences expand their appreciation for our industry.

## Maintaining our Industrial Capacity.

In light of the importance of metalcasting, it is critically important that we do not experience erosion in this fundamental manufacturing capacity during the economic crisis. Make no mistake, these are trying times for many great foundries. The AFS Government Affairs Committee, led by Eric Meyers (Oil City Iron Works), is leading AFS efforts to promote public policies to ensure we retain a strong metalcasting base in America. Our

agenda includes much-needed water and transportation infrastructure investment, Buy-America policies for projects using taxpayer funds, liability protections for foundries making good-faith efforts to protect employee health and safety, vigorous enforcement of trade laws, and pro-manufacturing tax policies.

## New Data Provides Key Insights.

Telling our story to key audiences such as lawmakers, regulators, state offi-

cial, career counselors, educators, and the news media just got a little easier, as well. AFS recently unveiled the first major economic impact analysis of the foundry industry in many years. This comprehensive study provides us with new insight into our industry's economic footprint, at the national, state and congressional district levels. In particular, this analysis yields data on both direct and indirect impacts, providing a fuller picture of our economic contribution to society. Access to this information is available with one-click from AFSinc.org by clicking on the "Economic Impact of Metalcasting" box on the right-hand side of the page.

## Supply-Chain Security is a Timely Priority.

Not only is metalcasting essential, but so are secure, reliable supply chains. Often, industrial parts purchasers are surprised when they carefully review the overall cost of ownership, rather than just the per-piece price tag for castings. They often find that producing parts closer to where they do their manufacturing makes economic sense, even more so at a time when global supply chains are strained and timely delivery of quality parts is jeopardized. AFS partners with The Reshoring Initiative, which offers free tools to make these cost comparisons. Foundries and OEMs are encouraged to make it a priority in 2020 to explore reshoring as a key part of their business operations.

We can all take rightful pride in the decisive steps that our foundries and their employees have taken to maintain casting production while also protecting health and safety.



# Strong team drives AFS advocacy effectiveness

Advocating for metalcasters is at the core of the mission at AFS, the only association working full-time to advocate for a business climate conducive to supporting and growing the \$44 billion metalcasting economy.

On the ground in Washington, D.C., advocacy efforts are led by AFS Vice President of Government Affairs Stephanie Salmon and Jeff Hannapel. They track day-to-day developments on Capitol Hill and across regulatory agencies to keep members informed about policy changes and proposals that affect metalcasters, their suppliers, and the wider manufacturing industry. They also help to connect metalcasters with decision-makers and legislators whose policy stances can have a major impact on the metalcasting industry.

The critical AFS Government Affairs Division is guided by Eric Meyers (Oil City Iron Works) and Alan Brink (Spring City Electrical Mfg. Co.). This division is dedicated to promoting and defending the interests of AFS members and the industry at large with the federal government and its regulatory agencies, and to increase the visibility and presence of the industry within its decision-making process. At the local level, division members assist statewide and chapter groups in joint efforts to advance the industry. Overseeing all government affairs activity from AFS headquarters is Doug Kurkul, who devoted more than 20 years of his career to manufacturing advocacy-related work in

## Key AFS Advocacy Issues

- OSHA policy
- EPA policy
- Infrastructure investment
- Buy America policy
- Tax policy
- Rigorous enforcement of fair trade
- Workforce readiness

To read the AFS 2020 Federal Priority Issues document, visit [afsinc.org/afs-agenda-strong-metalcasting-economy](https://afsinc.org/afs-agenda-strong-metalcasting-economy). To contact Stephanie Salmon, AFS VP of Government Affairs, email [ssalmon@afsinc.org](mailto:ssalmon@afsinc.org).

the nation's capital.

Many members are probably aware of AFS advocacy efforts through events such as the AFS Government Affairs Fly-In (or this year's virtual Advocacy Summit). The 2021 AFS Government Affairs Fly-In is set for May 25-26, in Washington, D.C. But there are other ways members can get involved. One way is to set up a tour of your facility for your member of Congress. Metalcasters who invite policymakers to their foundries are able to show the importance of our industry – to our economy, to our manufacturing base, and to our communities.

For more information about AFS advocacy and government affairs, visit [afsinc.org/afs-agenda-strong-metalcasting-economy](https://afsinc.org/afs-agenda-strong-metalcasting-economy).

## How You Can Help

**Corporate membership.** Through corporate membership status, you support the work of the AFS Washington, D.C. office and headquarters in fighting for our industry, and you receive special updates reserved only for Corporate Members.

**Plant tours.** By inviting your U.S. senators and representatives, superintendent of schools, and other officials to tour your facility and meet some of your employees, you help them understand the positive role that foundries and suppliers play in the economy and as an employer. Tours may occur on Manufacturing Day (first Friday of every October) or any other time. Please advise the AFS office when such tours are held, and be sure to take photographs.

**Committee service.** You or a colleague may wish to serve on AFS committees that pertain to Environment, Health and Safety (open to all members) or Government Affairs (committee size restricted – advise AFS headquarters of interest).

**Action alerts.** From time to time, AFS issues action alerts, asking Corporate Members to contact their legislators. Your participation in these action alerts can help us prevail on key policy issues.

## Secretary of Labor joins metalcasters for virtual Advocacy Summit

U.S. Secretary of Labor Eugene Scalia was one of several distinguished speakers who addressed metalcasters during the virtual AFS Advocacy Summit

Please see Summit on Page 10



**9:15-9:40 am CT**

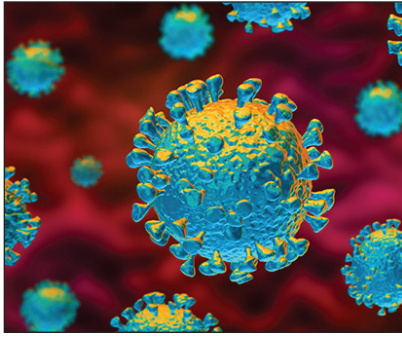
**Keynote Address: Latest DOL Actions in Response to COVID-19**



**Speaker: U.S. Secretary of Labor Eugene Scalia**

**Introduction: Brad Muller, Vice President of Marketing, Charlotte Pipe**

A screengrab from the May 19 online Advocacy Summit.



## Find coronavirus guidance for metalcasters

When it comes to the COVID-19 outbreak, guidelines for manufacturers are being updated constantly.

To help you keep track of these updates, AFS is compiling important information for metalcasters on our COVID-19 Resource Page. This webpage includes health and safety guidance, business resources, templates and other downloads, and applicable AFS Members Only Webinars.

Guidance is broken into these categories:

- Health & Safety
- Environmental
- Business & Employment
- News & Updates
- Other Resources

To visit the COVID-19 Resource Page, go to [afsinc.org/afs-covid-19-coronavirus-resources](https://www.afsinc.org/afs-covid-19-coronavirus-resources).



Pentair employees (left to right) Mauro Cabral, assembly operator; Gabriel Junex, warehouse technician; and John Young, production supervisor, were part of a company effort to make a fire pump urgently needed to reopen a Chicago-area hospital.

## Members join fight against COVID-19

In the global fight against COVID-19, metalcasters and their suppliers have proved essential. AFS Corporate Members are providing crucial services to support coronavirus relief, from manufacturing components for medical equipment and other essential products, to making donations and providing much-needed expertise.

Operating as essential businesses, metalcasters have implemented protective measures recommended by the CDC and OSHA, such as frequent sanitation, staggered shifts, and providing employees with all necessary personal protective

equipment. Some foundries have even changed their production schedules to manufacture more essential goods while allowing for social distancing of their employees.

AFS is proud to support the metalcasting industry as it fights this pandemic and has created a web page to document the many ways AFS members are stepping up to provide relief. To view the page, visit [afsinc.org/afs-members-supporting-coronavirus-relief](https://www.afsinc.org/afs-members-supporting-coronavirus-relief).

To add your company's efforts to this growing list, email Shannon Wetzel, *Modern Casting* editor, at [swetzel@afsinc.org](mailto:swetzel@afsinc.org).

## AFS calls for essential industry designation, CARES Act relief for metalcasters

As metalcasters have continued to produce essential goods and adapt to a world affected by COVID-19, AFS has advocated for the metalcasting industry and its supply chain during the pandemic.

In March, AFS delivered a letter to Vice President Mike Pence in his role leading the COVID-19 task force, asking the Trump administration to identify foundries, their supply chains, and workers as essential when drafting and enforcing shelter-in-place rules during the pandemic.

"As the Trump administration continues to take critical actions aimed at lim-

iting the spread of COVID-19, we ask that foundries (ferrous and non-ferrous), their suppliers, and their workers in the U.S. be recognized as 'essential' to the nation's COVID-19 pandemic response," the letter read. "We also request that you encourage state, city and local governments to make the same designation."

Additionally, AFS joined more than 150 groups in signing onto a letter sent to the Chairmen of the House Ways and Means Committee Richard Neal (D-Mass) and Senate Finance Committee Chuck Grassley (R-Iowa) opposing IRS Notice 2020-32,

which denied the deductibility of costs associated with Paycheck Protection Program (PPP) loan forgiveness. The IRS changed course on May 8, saying businesses can get the new employee retention tax credit even if they are paying health benefits but not wages for workers.

In April, AFS had called on Congress to increase funding for Paycheck Protection Program loans offered under the CARES Act. The PPP and CARES Act provide financial assistance to companies, including small and mid-sized metalcasters, whose business has been affected by COVID-19.

# Metalcasting courses go 'live online'

Workforce training evolves through remote learning from AFS Institute

It starts out like any video conference meeting – a click of a link and a quick log-in. But that’s where the similarities between the AFS Institute’s new Live Online Courses and a regular work meeting end.

In March, as travel bans and other COVID-19 concerns grew, AFS made a strong commitment to continue offering its resources to individual and corporate members. That meant transforming many of those resources into digital offerings, including instructor-led Institute training.

Institute staff coordinated with teachers to present their courses via Zoom, the popular video conferencing platform. But unlike most webinars or e-Learning, this material is presented live, with interactions from a digital “classroom” of students who log on from their homes or offices anywhere in the world. Just like in a regular Institute class, Live Online Courses feature instruction from subject-matter experts, question-and-answer periods, informational hand-outs and other helpful materials. Student receive reading assignments and share videos -- some instructors have even provided in-plant demonstrations of the principles they’re teaching!


"The virtual versions of the AFS classes are of a high quality, just like the in-person versions," said Christie Hasbrouck, a PhD student in industrial and manufacturing engineering at Penn State who recently completed a Live Online Course. "The instructors have found ways to remain interactive and promote group collaboration on activities, and wherever possible, have developed new content to replace any in-class, hands-on demonstrations."

So far, the Institute has presented several Live Online Courses, including Gating & Riser Design 201 and Steel 101. Upcoming courses are Improving the Effectiveness of Visual Inspection (June 2-4), Gating & Riser Design 101 (July 14-16) and Introduction to Metalcasting (July 21-23).

For a limited time, these virtual courses are being offered at a discount. To register for a course and to see the complete Institute lineup, visit [afsinc.org](http://afsinc.org).




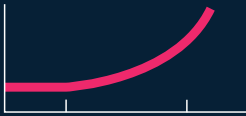
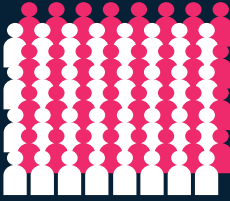



Institute instructor Patrick Kluesner provides a video demonstration for students during Gating & Riser Design 201 Live Online.



## AFS DIGITAL RESOURCES

Since March 2020, members have benefitted from:

<p style="text-align: center;"><b>AFS</b> WEBINARS</p> <p style="text-align: center; font-size: 2em;">9</p> <p style="text-align: center;">WEBINARS</p>  <p style="text-align: center; font-size: 2em;">968</p> <p style="text-align: center;">REGISTRANTS</p> <p style="text-align: center;">308 VIEWED ON <b>CASTING CONNECTIONS</b></p> <p style="text-align: center; font-size: 1.5em;"><b>\$242,000</b> IN VALUE</p>	<p style="text-align: center;"><b>INSTITUTE</b> e-LEARNING</p> <div style="border: 2px solid yellow; padding: 5px; text-align: center; margin: 5px;"> <p style="font-size: 2em; margin: 0;">914</p> <p style="margin: 0;">MODULES COMPLETED</p> </div>  <div style="text-align: center; margin: 10px 0;">  <p style="margin: 0;">APPROXIMATELY <b>1,000</b> HOURS OF ONLINE TRAINING</p> </div> <p style="text-align: center; font-size: 1.5em;"><b>\$41,650</b> IN VALUE</p>	<p style="text-align: center;"><b>CASTING CONNECTION</b></p>  <p style="text-align: center; font-size: 0.8em;">MARCH 2019    MARCH 2020 ACTIVITY HAS INCREASED BY 138% SINCE LAST YEAR</p>  <p style="text-align: center; font-size: 1.5em;"><b>64</b> UNIQUE CONTRIBUTORS</p> <div style="border: 2px solid red; padding: 5px; text-align: center; margin: 10px 0;"> <p style="font-size: 2em; margin: 0;">93</p> <p style="margin: 0;">TOTAL POSTS</p> </div>
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**AFS LIBRARY**

**1,543**

LIBRARY DOWNLOADS

DATA FROM MARCH TO MAY 2020

# AFS welcomes new president, board members

Michael Lenahan leads AFS as president

Michael L. Lenahan will lead the American Foundry Society and the Institute as President of the Board of Directors for 2020-2021.

Lenahan, CEO of KB Foundry Services (Independence, Ohio), was installed as AFS President in April. A longtime leader in the metalcasting industry, his career began at Sand Products of Cleveland in 1987, the same year he joined AFS. He has been an active member of several AFS chapters and is a past chair of the AFS EHS

Division and the AFS Government Affairs Committee.

“AFS is pleased to welcome Mike Lenahan as our new President. He brings years of dedicated service and experience to this role,” said AFS CEO Doug Kurkul. “We also want to express our gratitude to outgoing President Peter Reich for his exemplary leadership over the past year.”

Jim Frost, Director Quality Systems & Compliance, AMERICAN Cast Iron Pipe Company (Birmingham, Alabama) will serve as AFS Vice President. Second Vice President is Adam San Solo, Director of Sales & Engineering, U S Foundry & Man-

ufacturing Company (Medley, Florida). Reich is Immediate Past President, having ended his term as President in April. He is Co-Owner of LAEMPE REICH (Trussville, Alabama).

Joining the AFS Board as the Directors Class of 2020-2024 are Rob Johnson, VP Finance/CFO/Treasurer, Waupaca Foundry (Waupaca, Wisconsin); Jim Mancuso, Vice President, Mancuso Chemicals, Ltd. (Niagara Falls, Ontario, Canada); Andrew C. Renkey, President, Harmony Castings/TPI Arcade (Harmony, Pennsylvania); and Peter Satre, Manager – Corporate Engineering, Allied Mineral Products LLC (Columbus, Ohio).

**FLS continued from Page 1**

executives from around the world for networking and discussions about industry trends and the broader business climate. Attendees will have the opportunity to talk about how the manufacturing economy



**Karl Mecklenburg**

is changing in response to COVID-19 and other market forces.

In addition to Burrus, speakers include former NFL All-Pro linebacker Karl Mecklenburg, lean advisor Jamie Flinchbaugh, "Field of Dreams" actor Dwier Brown, business analyst



**Dwier Brown**

**FOUNDRY LEADERSHIP SUMMIT**

Sept. 20-22, 2020  
Lake Tahoe, California  
[To register, visit afsinc.org/conferences](https://www.afsinc.org/conferences)

Thomas Landstreet, and economist Bob Barone, among others.

To register, visit [afsinc.org/conferences](https://www.afsinc.org/conferences).

**Impact continued from Page 1**

foundry, supplier, and parts purchaser, as it has our entire society. We are proud of the role that U.S. foundries and their employees are playing in addressing the pandemic and in taking early steps back toward a stronger economy,” said Doug Kurkul, CEO of AFS. “For as much that has changed, even more remains constant. Castings will remain essential to our way of life and to our national defense. Foundries will continue to be an indispensable part of the U.S. economy. This landmark study will help us all tell the story of the foundry industry with increased precision.”

The research was conducted by John Dunham & Associates, a noted Washington, D.C., research firm. It consists of data, models, calculations, and outputs that were joined together into an interactive system that reflects the links between various parts of the metalcasting industry in 2019.

The final report comes in the form of

**AFS thanks the many Corporate Members, local chapters, and other organizations whose generous contributions made the Economic Impact Analysis possible:**

- |   |                                       |
|---|---------------------------------------|
| AFS Birmingham District Chapter         | Harry H. Reich Co.                    |
| AFS Chicago Chapter                     | Hiler Industries (Kingsbury Cstg Div) |
| AFS Cleveland Akron Canton Ohio Chapter | Kurtz Bros Inc.                       |
| AFS FIRST                               | LAEMPE REICH                          |
| AFS Tennessee Chapter                   | Lemfco Inc.                           |
| AFS Texas Chapter                       | Magma Foundry Technologies Inc.       |
| AFS Twin Cities Chapter                 | McWane Inc.                           |
| AFS West Michigan Chapter               | Oil City Iron Works Inc.              |
| AMERICAN Cast Iron Pipe Company         | Osco Industries Inc.                  |
| Amsted Rail Company Inc.                | Piedmont Chapter AFS                  |
| Atlas Foundry Co. Inc.                  | REFCOTEC Inc.                         |
| Charlotte Pipe & Foundry Co.            | Rochester Metal Products Corp.        |
| Denison Industries Inc.                 | St. Marys Foundry Inc.                |
| EJ                                      | Texas Cast Metals Association         |
| Eagle Alloy Inc.                        | Torrance Casting Inc.                 |
| Foundry Association of Michigan         | Waupaca Foundry Inc.                  |
| Harmony Castings LLC                    |                                       |

a website that allows users to examine the various components and produce detailed documents depending on state and congressional district chosen.

The study shows the direct impact of

the metalcasting industry is \$44.6 billion, including over \$11 billion in wages, and 162,000 jobs. View the report at [afsinc.org/us-metalcasting-industry-impact-us-jobs-economy](https://www.afsinc.org/us-metalcasting-industry-impact-us-jobs-economy).

# 2020-2021

## AFS Officers & Board Members



President  
**Michael L. Lenahan**  
CEO,  
KB Foundry  
Services



Vice President  
**Jim Frost**  
Director Quality Systems  
& Compliance,  
AMERICAN Cast Iron  
Pipe Company



2nd Vice President  
**Adam San Solo**  
Director of Sales &  
Engineering,  
U S Foundry & Manufac-  
turing Company



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



CEO  
**Doug Kurkul**  
CEO,  
American Foundry  
Society

## Directors Class 2017 - 2021



**Michael J. Leib**  
Former CEO,  
Weatherly Casting  
and Machine  
Company/Hazleton  
Casting Company



**Brad Muller**  
Vice President of  
Marketing,  
Charlotte Pipe &  
Foundry

## Directors Class 2018 - 2022



**Patrick Carlin**  
Sales Manager,  
Superior Aluminum  
Alloys



**David Gilson**  
Sales and Marketing  
Director,  
SinterCast



**Sara Joyce**  
Vice President of  
Quality and Technical  
Assurance,  
Badger Mining  
Corporation



**Jeet Radia**  
Senior Vice President,  
McWane, Inc.

## Directors Class 2019 - 2023



**Patrick T. Ameen**  
Vice President  
Industry Relations,  
Amsted Rail  
Company



**John P. Haas**  
President,  
Cadillac Casting, Inc.



**John Lancaster**  
Plant Director,  
General Motors



**Angela Dine  
Schmeisser**  
President and CEO,  
St. Marys Foundry,  
Inc.

## Directors Class 2020 - 2024



**Rob Johnson**  
VP Finance, CFO,  
Treasurer,  
Waupaca Foundry



**Jim Mancuso**  
Vice President -  
Operations,  
Mancuso Chemicals,  
Ltd.



**Andrew C. Renkey**  
President,  
Harmony Castings/TPI  
Arcade

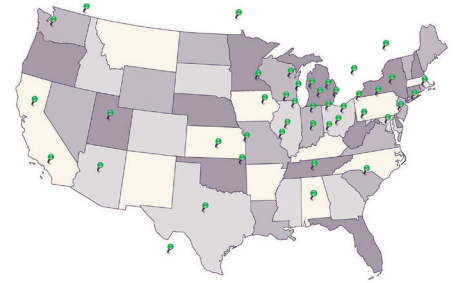


**Peter Satre**  
Corporate  
Engineering,  
Allied Mineral  
Products, Inc.

# AFS Chapter Directory

AFS provides the means for you to network with metalcasters in your area. Reach out to a chapter leader to get involved today, or visit [www.AFSinc.org/get-involved](http://www.AFSinc.org/get-involved).

**Include your chapter news in the AFS Chapter Directory!** Please send chapter updates, events, meeting schedules and other news to Katelyn Stanek, AFS Marketing & Communications Manager, at [kstanek@afsinc.org](mailto:kstanek@afsinc.org).



## UNITED STATES

### Alabama

#### Birmingham District

jjohnson@ajaxtocco.com  
Jody Johnson

### California

#### Northern California

detria.mixon@abifoundry.com  
Detria Mixon

#### Southern California

jason@smccast.com  
Jason Gutierrez

### Connecticut

#### New England

admin@newenglandafs.com  
Drew Weaver

### Georgia

#### Piedmont

shawn.mckinney@saint-gobain.com  
Shawn McKinney

### Illinois

#### Central Illinois

stecklein\_catherine@cat.com  
Catherine Stecklein

#### Chicago

nmerens@lilliagroupmarketing.com  
Norwin Merens

#### Stateline

sean@slfcastings.com  
Sean McGough

### Indiana

#### Central Indiana

michelle.ring@mineralstech.com  
Michelle Ring

#### Northern Indiana

mking@ferroglobe.com  
Marc King

### Iowa

#### Hawkeye

alex@senecafoundry.com

Alex Brown

### Kansas

#### Plains States

ron@kansascastings.com  
Ronald Pomeroy

### Michigan

#### Central Michigan

charlesprater@calhounfoundry.com  
Charles Prater

#### Detroit Windsor

sfyins@icloud.com  
Shiaofong Yin

#### Saginaw Valley

jonathan.giove@gm.com  
Jonathan Giove

#### Western Michigan

joelwyates@gmail.com  
Joel Yates

### Minnesota

#### Twin Cities

travis.bodick@carleyfoundry.com  
Travis Bodick

### Missouri

#### Mo Kan

vbrock@canfieldjoseph.com  
Vicki Brock

#### St. Louis

imrie@southerncast.com  
Douglas Imrie

### New York

#### Central New York

Brad Wiler  
brad.wiler@itt.com

### Ohio

#### Central Ohio

eric@keenersand.com  
Eric Weiffenbach

#### Cleveland-Akron Canton

jazalar@bwxt.com  
Tony Zalar

### Southwestern Ohio

dwelsh@hillandgriffith.com  
Dale Welsh

#### Todolo

pcarlin@saalloys.com  
Patrick Carlin

### Oklahoma

#### Tri-State

rhall@spfoundry.com  
Robert Hall

### Pennsylvania

#### Mid-Atlantic Chapter

dusty@boosealum.com  
Dustin Finefrock

#### Northwestern Pennsylvania

greg@onexnet.com  
Greg Trohoske

### Pittsburgh

techmgr@duraloy.com  
Roman Pankiw

### Tennessee

#### Tennessee

afstnboard@gmail.com  
Scott Lakey

### Texas

#### Texas

mloerwald@martinsprocket.com  
Matthew Loerwald

### Utah

#### Utah

reed@lfsincorporation.com  
Reed Larson

### Washington

#### Washington

cmckeever@uniwest.us  
Chuck McKeever

### Wisconsin

#### Northeastern Wisconsin

jmartin@aarrowcast.com



John Martin

**Wisconsin**

m.kamin@carpenterbrothersinc.com  
Michael Kamin

**MEXICO**

**North Mexico**

jose.lope@sinto.mx  
José Lobo

**CANADA**

**British Columbia**  
cchamberlain@oclim.com  
Craig Chamberlain

**Eastern Canada**

mrejean@hotmail.ca  
Rejean Mailhot

**Ontario**

neals.mccain@gmail.com  
Neal McCain

AFS PUBLICATIONS

# AFS updates *Mold & Core Handbook, Metalcasting Dictionary*

Two leading metalcasting books were updated with the newest industry knowledge and re-released this spring by AFS.

*Mold & Core Test Handbook, 5th Edi-*

*tion*, contains the latest in metalcasting industry standards for sand testing and evaluation. Published in March, it describes the most up-to-date, industry-accepted methods for testing foundry sands. It is the result of dedicated foundry sand control testing and research conducted by the AFS Molding Methods and Materials Division.

The definitive source on metalcasting terminology, *AFS' Metalcasting Dictionary* was revised, expanded, and re-issued as a downloadable digital resource in April.

The new third edition has more than

5,800 metalcasting terms and other helpful resources, including weight calculations for 20 common casting shapes, explanations for nearly 800 metalcasting acronyms, an extensive list of metric conversion multipliers, and more. It's essential for engineers, designers, shop floor employees, college students and instructors, executives, administrative workers, industry suppliers, and anyone else who works in or with foundries.

Both are available for purchase in the AFS Store, with discounts for AFS members. Visit the store at [afsinc.org](http://afsinc.org).



The **Practical Cupola Workshop** presents a wide variety of cupola topics, including fundamental cupola operation and design, troubleshooting, operational control, refractories and cupola safety.

The workshop is presented by the **AFS Cupola Technical Committee**. Course materials reflect the expertise and experience of industry-leading course instructors, who are cupola operators and suppliers of the Cupola Committee. It covers cupola basics as well as some moderately technical information. This workshop is ideal for new operators, engineers and operation supervisors.

Attendees are invited to stay over and attend the **Cupola Committee Meeting** which will begin at 8 a.m. on **Thursday, October 1st**.

Register online at:  
[www.afsinc.org/](http://www.afsinc.org/)  
**2020PracticalCupola**

# AFS urges FERC to delay comment deadline on rulemaking to hike electricity transmission rates

Transmission costs are biggest increase in energy expenses

AFS called on the Federal Energy Regulatory Commission (FERC) to extend the comment period on a proposed rulemaking that would raise electricity bills for all consumers, including U.S. metalcasters, until the COVID-19 pandemic ends.

In a motion presented to FERC on April 29, AFS joined a coalition of more than 60 nationwide manufacturing organizations urging the postponement of a rulemaking for increasing charges for electricity transmission, a commodity vital to every part

of the metalcasting supply chain, until 60 days after the conclusion of the national emergency related to COVID-19, or Oct. 1, 2020.

Since 2012, transmission costs have increased more than 52 %, representing the biggest hike in energy expenses for manufacturers over the past decade. Manufacturing groups are asking for more time to comment on the rulemaking, which is likely to have long-term consequences for all electricity consumers.

“The national emergency caused by the COVID-19 outbreak has impacted every segment of the U.S. economy. American manufacturers are certainly no exception,” the motion states. “... Due to the potentially financially significant impact and likely long-term nature of any reforms ... an opportunity to actively and meaningfully participate is critically important to American manufacturers.”

The FERC Notice of Proposed Rulemaking would increase charges for all electric consumer classes and would affect all areas of the U.S.

# AFS supports legislation to solve truck driver shortage

Many metalcasters are experiencing the effects of the truck driver shortage across the nation. AFS has been working with a coalition and recently joined on a congressional letter with over 80 organizations urging that the DRIVE Safe Act be included in the next highway bill.

The DRIVE Safe Act would harmonize interstate truck driver age minimums

with current intrastate requirements. A critical obstacle to attracting new commercial truck drivers is that while virtually all states allow people to obtain a commercial driver’s license at age 18, they are prohibited from operating in interstate commerce until they are 21.

As a result, metalcasters and other industry sectors face challenges shipping

their products and obtaining supplies.

This legislation would eliminate that obstacle, allowing more drivers to transport goods across state lines and providing a pathway to high-paying jobs for young adults. The House bill currently has 129 House cosponsors and 34 cosponsors in the Senate. More information is available at [www.drivesafeact.com](http://www.drivesafeact.com).

## Summit continued from Page 3

on May 19. Scalia discussed how manufacturers are getting back to work and keeping their facilities safe following temporary COVID-19 shutdowns, among other topics.

Despite the shutdown, Scalia pointed to a reason for optimism in the economy -- a full 90 % of people who've been laid off believe their job loss is only temporary, he said.

"The more quickly we're able to safely reopen, the greater likelihood those jobs will still be there," he said, adding the government is working to alleviate specific concerns for metalcasters, including using guidance from OSHA to help foundries overcome the difficulty in obtaining N95 respirators during the pandemic.

"We want to go back to making sure we're laying the foundations for a very vibrant private sector to bring our economy back, to bring these 90 % of workers who think they're on temporary layoff back, to bring them back and to complete what I've been calling a blue-collar bounce-back for our economy," Scalia said.

Other speakers joining the event included Sen. Mike Braun (R-Indiana). He discussed what to expect in COVID-19 relief packages and what's next for businesses.

"What else we do is going to be a function of how adeptly we restart the economy and what deficiencies still may be there," Braun said.



In addition to presentations from policymakers, the summit included discussions about OSHA regulations, safety and health return-to-work plans, PPP loans, the AFS Economic Impact Analysis, and other issues directly affecting U.S. metalcasters and the supply chain.

# AFS 'recasts' Congress presentations

**M**etalcasting Congress 2020 may have been canceled, but industry knowledge-sharing won't stop this year.

AFS and Congress presenters have worked together to bring some of the most important parts of Metalcasting Congress to our members and registrants. That means compiling the latest technical and management research and breakthroughs

into digital and print offerings.

*The Recast Guide to Congress* is being printed and distributed to all preregistered attendees and all metalcasters who attended CastExpo in 2019. It includes a summary of awards, technical paper abstracts, supplier showcases, an exhibitor directory, and more. The digital edition includes direct links from the abstracts to

the full papers.

Additionally, the "Best of Congress" webinar series returns this year with a full slate of presentations covering many different areas of metalcasting. These webinars are free to members and are available to stream live or view in the AFS Webinar Archive. To view the full lineup of webinars, visit [www.afsinc.org](http://www.afsinc.org).

## THANK YOU, COMMUNITY CONTRIBUTORS

AFS understands that the public-health and financial shock associated with COVID-19 is presenting many uncertainties for the foundry industry. We are committed to continuing to provide superior member service to our members and our industry during this challenging time period. Following the cancellation of Metalcasting Congress 2020, a number of AFS members asked if they could contribute back some portion of their exhibit or registration fee to help AFS bridge the revenue gap between the 2019 and 2021 Metalcasting Congress shows. We thank these Continuity Contributors for their support of AFS:

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## Foundry 4.0 moved to spring 2021

**A**FS has rescheduled an important event, the Foundry 4.0 Conference, from June 2020 to June 8-9, 2021, in Itasca, Illinois. The decision to postpone the conference resulted from respect for company travel restrictions.

"Innovative product demonstrations, exhibits, and attendee networking are all

a big part of the plan for the Foundry 4.0 Conference," explained Steve Robison, AFS Chief Technical Services Officer. "These are all best achieved with a live, well-attended, in-person event, which is not practical at this time due to current travel restrictions. These factors all contributed to the decision to postpone the conference until

spring 2021."

The forward-looking event promises to be one of the most critical conferences of 2021.

Embracing the automation and connectivity of the broader Industry 4.0 movement, the Foundry 4.0 Conference will explore the future of metalcasting, from artificial intelligence and robotics to augmented reality and beyond.



# THE AFS CORPORATE MEMBER ADVANTAGE

## Business Opportunities & Branding

- **Trade Show/Exhibit Space Discounts** - Save money on exhibits and attendance at CastExpo and Metalcasting Congress (Discounts vary)
- **Sponsorships** - Only corporate members are eligible to sponsor for AFS management events
- **Referrals** - AFS refers customer inquiries to corporate members
- **Logo** - Corporate members can add credibility to their business by using the AFS logo on brochures and websites
- **Premium Casting Source Directory Promotion** - Receive placement in CSD, used by nearly 12,000 casting buyers and design engineers
- **AFS Shipping Solutions** - Take advantage of shipping savings.(Savings vary)
- **Business Development** - Workforce Development Forum

## Industry Intelligence

- **Annual Metalcasting Forecast** - This crucial marketplace outlook is free to corporate members (\$1,000 value)
- **Wage and Benefit Survey** - Key compensation information, free to participating corporate members (\$1,000 value)
- **World Foundry Organization Annual Census** - A look at the state of the worldwide metalcasting industry is delivered free to corporate members

## 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** - Individual members may join AFS regional chapters
- **Casting Connection** - Members can ask questions and get answers from peers through this metalcasting social network
- **Industry Job Descriptions** - AFS' complete, detailed list of metalcasting industry job descriptions is available for corporate members to use for recruiting, evaluations, or other workforce needs
- **Metalcasting Job Board** - Save 50% when you post jobs on the AFS Job Board
- **Event Discounts** - Save on registration for AFS educational and networking events AFS (Discounts vary)

## Government Advocacy

- **Legislative Influence** - On Capitol Hill, AFS shapes a better business climate for metalcasters

## Education

- **In-Plant Training** - Corporate members receive a \$2,000-\$4,000 discount
- **Classroom Courses** - Receive discounts on classes for new and experienced metalcasters (\$200 discount per person)
- **Free AFS Members Only Webinars** - All employees of corporate members participate in technical and management webinars (\$250 value per session)
- **E-Learning** - Corporate members are eligible to subscribe for unlimited access to AFS Institute e-Learning in English and Spanish
- **AFS Library** - Receive free online access to the AFS Library, the world's largest collection of metalcasting research papers and articles

## Technical, Management, Research Support, & Innovation

- **Driving Research** - 8% of Corporate dues support AFS research, including 40 projects currently underway
- **Committee Membership** - Individual members engage on AFS committees, which sponsor research and help establish industry standards
- **Technical Assistance** - The AFS technical services team is ready for your calls on technical, metallurgical, and EHS questions, and casting design assistance, with top priority going to corporate members
- **HR Consulting** - AFS provides foundry-specific insights and assistance for your human resources needs
- **Energy Consulting** - AFS can help with questions about energy costs, consumption and efficiency

## Books & Publications

- **Modern Casting** - A subscription to one of the industry's leading trade magazines, delivered monthly (\$109 value)
- **International Journal of Metalcasting** - A subscription to AFS' metalcasting research journal (\$199 value)
- **Member Connections** - A quarterly print publication featuring industry, AFS and chapter news (\$40 value)
- **Book Discounts** - Get 50% off on AFS-published technical books
- **AFS Insider News** - Stay up-to-date on industry news and AFS events with this weekly e-newsletter

# AFS WELCOMES NEW CORPORATE MEMBERS



**Bernier Cast Metals Inc.**  
*Saginaw, Michigan*

**Cheng Pao  
Foundry Co. Ltd.**  
*Tai Chung City,  
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**Cottingham & Butler**  
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**SunCoke Energy Inc.**  
*Lisle, Illinois*



**Titan Metallurgy LLC**  
*Oak Park, Michigan*

## AFS EVENTS

**Sand Casting/Additive Manufacturing Conference** | Milwaukee, WI | Aug. 31-Sept. 3

**2020 Foundry Leadership Summit** | Lake Tahoe, CA | Sept. 20-22

**2020 Practical Cupola Workshop** | Rockford, IL | Sept. 29-30

**Stormwater Compliance Seminar** | Milwaukee, WI | Oct. 4-5

**2020 Environmental, Health & Safety Conference** | Milwaukee, WI | Oct. 6-8

## INSTITUTE COURSES

**Improving the Effectiveness of Visual Inspection: Live Online** | June 2-4

**Gating & Riser Design 101: Live Online** | July 14-16

**Introduction to Metalcasting: Live Online** | July 21-23

**Green Sand Molding 101: Live Online** | Aug. 11-13

**Casting Defect Analysis** | Schaumburg, IL | Aug. 26-27

**Improving the Effectiveness of Visual Inspection** | Wadsworth, OH | Oct. 7-8

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**Jim Frost, Vice President**  
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U S Foundry & Manufacturing

**Peter C. Reich, Immediate Past  
President**  
Co-Owner  
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## AFS SENIOR STAFF

**CEO**  
Doug Kurkul, [dkurkul@afsinc.org](mailto:dkurkul@afsinc.org)

**Chief Technical Services Officer**  
Steve Robison, [srobison@afsinc.org](mailto:srobison@afsinc.org)

**Vice President of Business  
Development**  
Ben Yates, [byates@afsinc.org](mailto:byates@afsinc.org)

**Vice President of Marketing &  
Communications**  
Richard Jefferson,  
[rjefferson@afsinc.org](mailto:rjefferson@afsinc.org)

**Vice President of IT & Operations**  
Mike Lakas, [mlakas@afsinc.org](mailto:mlakas@afsinc.org)

**Director of Accounting & Finance**  
Peggy Mennella, [pmennella@afsinc.org](mailto:pmennella@afsinc.org)

**Director of Human Resources &  
Administrative Services**  
Cathy Potts, [cpotts@afsinc.org](mailto:cpotts@afsinc.org)

## MEMBER CONNECTIONS STAFF

**Editor & Writer**  
Katelyn Stanek, [kstanek@afsinc.org](mailto:kstanek@afsinc.org)  
**Writer**  
Jessie Schlacks, [jschlacks@afsinc.org](mailto:jschlacks@afsinc.org)  
**Senior Manager of Creative Services**  
Tyler Buchenot, [tbuchenot@afsinc.org](mailto:tbuchenot@afsinc.org)

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

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2020-2021

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