



Spreading the word

AFS offers 16 resources to help members tell the metalcasting message

Workforce recruitment, sales, education, public policy – what do they all have in common? They're central to a metalcaster's success. But when it comes to communicating these important topics to people outside the industry, it can be a challenge. Despite the widespread use of metal castings in nearly every part of daily life, it is, after all, a highly specialized field.

AFS has many resources that metalcasters and industry suppliers can use to explain the importance of the industry to multiple audiences, including job-seekers, students, customers, and policymakers. Ranging from videos to infographics to publications, these resources have been compiled onto a single webpage for easy access: www.AFSinc.org/communications. They're free to use and share on your own social media pages and websites.

Here's a look at what's available on the Metalcasting Communications Resource page:

Resources for Students, Educators and Job-Seekers

• Careers in Metalcasting Video

When people think of jobs in metalcasting, they might think of pouring metal, but we know there's so much more to it. The industry has career paths in everything from engineering to sales to business management and offers well-paying jobs for post-college and post-high school graduates, all featured in this video, hosted at www.AFSinc.org/careers. It's available to embed on corporate and educational websites, too.

• We Love Metalcasting

Metalcasting offers exceptionally rewarding careers for those people with the right skills. We Love Metalcasting (hosted at www.AFSinc.org/we-love-metalcasting) features photos, profiles and quotes from metalcasters sharing why they love what they do.

• MFG Day Resources

Held the first Friday in October, Manufacturing Day is an opportunity for manufacturers to open their doors to schools and the public to share what they make, who they employ, and how they positively shape their communities. AFS MFG Day

resources, available at www.AFSinc.org/manufacturing-day, include how-to's, checklists, templates, infographics, and more.

• Melting Point

Melting Point is a magazine from AFS for students in middle grades. Focused entirely on metalcasting and metallurgy, *Melting Point* (meltingpoint.squarespace.com) explains the foundry process in terms in easy-to-understand language.

• Foundry-in-a-Box

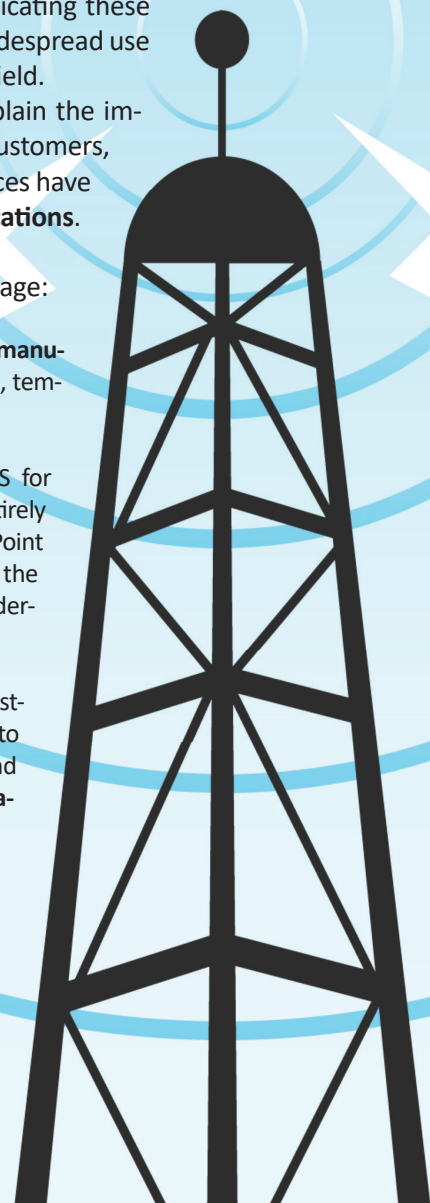
Foundry-in-a-Box is a hands-on metalcasting demonstration kit that allows users to walk away with their own mini casting! Find out more at www.AFSinc.org/demonstrations-foundry-box.

Resources for Parts Buyers and Designers

• Casting Source

Casting Source (www.castingsource.com) is a one-of-a-kind bimonthly print

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Ask a technical question, answer a question with Casting Connection



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Join the discussion at [Foundry and Diecaster Network](https://www.linkedin.com/groups/1234567890123456789/)



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Foundries focused on modernization, capital investment

Plant modernization and capital investment were key themes on the bustling show floor last month at CastExpo 2022 in Columbus, Ohio. With nearly 290 exhibitors, attendees had plenty of expert vendors to visit.

Moreover, the feedback from the exhibitors was nearly uniform in that this was one of the best, if not the best, CastExpo in which they had ever exhibited. The individuals visiting their exhibits were almost uniformly serious inquirers about their products, technologies, consumables, and services. And they were ready to pull the switch on significant investments and purchases, the exhibitors reported.

Happily, the strong feedback from the corridors of CastExpo mirrors the findings of the latest AFS Quarterly Metalcasters Outlook Survey, which was conducted the last week of March. The survey, which is emailed to one representative at every North American foundry in the AFS database, found that 91 percent plan to make capital investments in the next 12 months.

The size of the anticipated capital investments varied by foundry in the survey. In total, 23 percent pegged their anticipated capital purchases at \$3 million or more. Another 21 percent figure to invest between \$500,000 and \$2.99

million. Some 48% anticipate up to \$499,000 in capital investments by March 2023.

Equally interesting were the product categories in which investments are being made. The top tier, as reflected in the survey, included grinding equipment, robotics, conveyors, cranes and hoists, air compressors, environmental controls, molding equipment, melting equipment and machine tools. A number of other product categories showed lesser, yet still significant investment interest among the foundry

respondents.

The investment interests follow several themes. As the survey noted, the overwhelming majority of metalcasters have a positive business outlook, despite the well-documented challenges facing the North American economy. High levels of business mean the foundries are operating for more hours per month than in the past, and are placing a strain on older equipment, which many foundries are looking to replace.

A second driver of foundry capital investment in 2022-2023 is the desire to increase operational efficiency and integrate smart-manufacturing principles to a greater degree. To that end, AFS is presenting a Foundry Industry 4.0 Conference at the Eaglewood golf resort and spa in Itasca, Illinois (near O'Hare Airport) on July 26-27. The conference is sponsored by Alu-Bra, B&L Information Systems, Buck Company, Guardian Software Systems, LaempeReich, PDA, REFCOTEC, Rockwell Automation, and Sinto. Attendees will be able to put much of what they learn from expert speakers to work as they evaluate capital equipment options.

Frequently discussed at CastExpo was the third trend driving capital investment, which is the urgent need to automate key job functions in the foundry, especially for positions that are difficult to keep filled. Indeed, the recent AFS survey showed that more than 87 percent of responding foundries identified worker shortages as one of the three biggest challenges facing their plant.

AFS applauds the current focus on plant modernization and thanks foundry leaders for spending time with the CastExpo exhibitors. Additional information about foundry equipment and supply options can be accessed at www.SupplierMarketplace.net.

The survey found that 91 percent of responding foundries plan to make capital investments.



San Solo takes helm as new AFS President

Schmeisser joins Executive Committee

AFS has a new elected leader following the inauguration of Adam San Solo as president for 2022-2023.

San Solo's term officially began following the closure of CastExpo 2022, which ran in Columbus from April 23-26.

San Solo is Vice President – Infrastructure for Neenah Enterprises. He succeeds Mike Lenahan (Senior Industrial Sales, Badger Mining Corp.), who became the board's Immediate Past President. San Solo previously served on the AFS Board of Direc-



Adam San Solo

tors from 2012 to 2016. He has degrees from Columbia Engineering and Yeshiva University.

"AFS is privileged to be led by a Board of dedicated, experienced professionals representing a broad cross-section of the North American metalcasting supply chain," said AFS CEO Doug Kurkul. "We welcome Adam San Solo as our new President, and we express our thanks to outgoing President Mike Lenahan for his years of leadership and service to the Society."

Joining the AFS Executive Committee as 2nd Vice President is Angela Schmeisser (President and CEO, St. Marys Foundry).



Angela Schmeisser

She was a member of the 2019-2023 Directors Class.

Moving into the role of AFS Vice President is Bradford Muller (Vice President of Marketing, Charlotte Pipe & Foundry).

AFS also welcomed a new Directors Class at CastExpo. Making up the 2022-2026 Class are Alan Brink (President, Spring City Electrical), George Boyd Jr. (Managing Member, Goldens' Foundry & Machine Company), Michael Halsband (President & CEO, Roberts Sinto Corporation), and Bill Nestel (Vice President of Manufacturing, Rochester Metals Corporation).



Bradford Muller

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and web magazine for casting designers, buyers, and OEMs. Articles focus on casting applications, conversions, reshoring, and technical and engineering topics.

- Casting Alloy Data Search

Hosted at www.afscads.com, Casting Alloy Data Search helps designers find exactly the right alloys for each application by providing detailed casting process pedigree information.

- AMC Design Tutorials

A collaboration among the Steel Founders' Society of American, the American Metalcasting Consortium, and AFS, AMC Design Tutorials provide examples of metalcasting design in multiple alloys and for multiple applications. These tutorials are hosted on SFSA's website at www.sfsa.org/tutorials.

- Casting Designers and Buyers Track

Offered at every Metalcasting Congress and CastExpo, the Casting Designers and Buyers Track is a unique slate of presentations covering topics such as how to audit a foundry, how to reshore a part for production, how to select the proper alloy for the job, how to solve supply chain problems, and more.

Resources for Metalcasters and Suppliers

- Sustainability and Green Foundry Case

Studies

Foundries recognize that being environmentally responsible and improving the bottom line aren't mutually exclusive. The Green Foundry project documents examples of sustainability efforts being implemented at metalcasting facilities. These case studies are available at www.AFSinc.org/sustainability-metalcasting.

- Quarterly Outlook Survey

The Metalcasters Quarterly Outlook Survey (www.AFSinc.org/metalcasters-quarterly-outlook-survey) tracks the North American foundry industry's business outlook to provide valuable, forward-looking economic information to metalcasters.

- Modern Casting

AFS's flagship magazine and one of the industry's most respected publications, *Modern Casting* highlights the best in North American metalcasting, plus business and regulatory news, columns from industry experts, and more. It's available in print for all AFS members and online at www.moderncasting.com.

- Websites for Metalcasters

Compiled by TruInsights Consulting and AFS, this tip sheet for foundries and die casters provides a checklist of best practices for making sure you're getting the most out of your company's website. Download

it at www.AFSinc.org/communications.

Resources for Policymakers

- Metalcasting Economic Impact

The U.S. metalcasting industry is a critical part of the modern manufacturing economy, and the Metalcasting Economic Impact Map show just how significant our industry is at the state and congressional district level. Simply select your area to generate a report showing the number of jobs created, wages paid, tax revenue generated, and more. This map tool is available at www.AFSinc.org/us-metalcasting-industry-impact-us-jobs-economy.

- Metalcasters' Policy Agenda

AFS advocates full-time for a positive business climate for the \$44 billion metalcasting economy. Find out about the policies that support this goal, ranging from infrastructure investment to trade enforcement, at www.AFSinc.org/afs-agenda-strong-metalcasting-economy.

- Castings: Wherever You Are

You're rarely more than 10 feet from a casting. To help non-metalcasters understand the importance of the products our foundries and die casters produce, AFS has created a series of graphics illustrating just how common – not to mention essential – metal castings are. Find them at www.AFSinc.org/castings-whenever-you-are.



CastExpo 2022 dominated the Greater Columbus (OH) Convention Center's exhibit hall on April 23-26. The event attracted 4,740 attendees and included 288 exhibits and more than 100 technical and management sessions. It was the first in-person Congress or CastExpo since 2019.



Many exhibitors at CastExpo unveiled new technology and used interactive, high-tech displays.



CastExpo attendees and exhibitors watched new equipment at work on the show floor in Columbus.



Awards awaited their worthy recipients at the Volunteer Leadership Awards Luncheon at CastExpo.



AFS Past President Jean Bye delivered the Hoyt Memorial Lecture, "Seven Keys to Long-Term Success: Lessons From a 50-Year Career." This lecture has been a staple of Metalcasting Congress since 1938.



An exhibitor showed off the capabilities of the latest technology at CastExpo 2022. Technologies related to Industry 4.0 were among the many products and services on offer for metalcasters.



A large crowd watched the SFSA Cast in Steel competition in the Casting Source Theater. About 150 students received complimentary admission to CastExpo 2022, and the show featured two competitions for students -- a casting contest from the Steel Founders' Society of America and a research competition from the Foundry Educational Foundation and AFS's *International Journal of Metalcasting*.



Lizeth Medina-Baliet addressed the Women in Metalcasting Breakfast on April 24. Medina-Baliet (Manager of Quality and Technical Services, Neenah Foundry Co.) was the recipient of the 2022 WIM Award for Excellence.

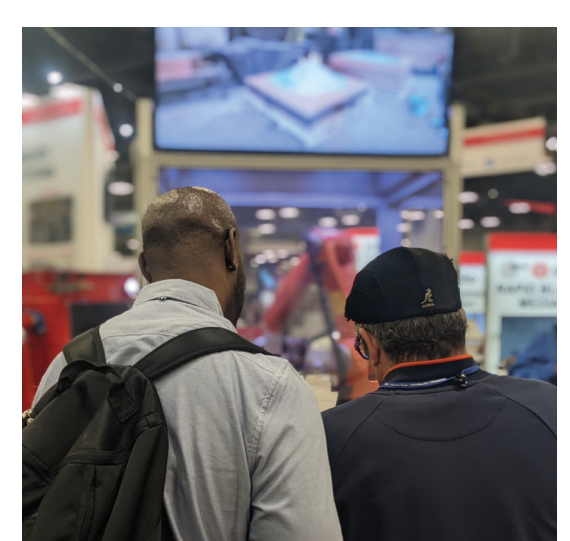


The Cast in North America pavilion featured displays of award-winning castings, plus exhibits from leading North American metalcasters. CINA was a major draw for designers and buyers, who had a dedicated track of educational sessions. *Inset:* The 2022 Casting of the Year, a 12-in. bucket assembly for the backhoe of a compact utility tractor, was produced by Waupaca Foundry.



A full house listened to "The Great Debate," a spirited showdown between iron and aluminum metalcasters, who argued the merits of their respective metals.

CastExpo attendees watched a robot in action on the last day of the 3.5-day show, which ran from April 23-26.



Student excellence on display at CastExpo

It's not every day that metalcasting students from different colleges and universities across North America converge on one place. So when 150 AFS student members and their professors arrived in Columbus, Ohio, in April for CastExpo 2022, it was only fitting that they have a chance to show off what they can do – and shine a light on the bright future of metalcasting.

In addition to technical and management sessions, keynotes, and other highlights of CastExpo – students get complimentary admission to the full show, so they can take part in everything their professional counterparts do – CastExpo 2022 also included two metalcasting competitions for students.

The IJMC/FEF Student Research Competition emphasizes excellence in undergraduate research. Relaunched in 2022 with a new format and more prize money, this year's installment featured four projects from three schools: University of Northern Iowa, Missouri S&T, and Virginia Tech. Top prize went to Caelen Johnson of Missouri S&T for his project, "High Temperature Performance of Aluminum Alloyed Ductile Iron."

Rather than being a casting contest, what sets the IJMC/FEF Student Research Competition apart is its emphasis on research. All entries are judged by a panel of



Left: Missouri S&T student Caelen Johnson makes his presentation during the IJMC/FEF Student Research Competition. Johnson's project took first place. Right: A Celtic leaf sword is examined during the SFSA Cast in Steel competition. University of Wisconsin-Platteville won the grand prize.



nine experts drawn from the AFS Research Board and the AFS Technical Council, who assess the projects on technical content, relevance, innovation, and presentation. In addition to a total of \$4,000 in scholarships, winners also have their research published in the International Journal of Metalcasting – a special opportunity, particularly for undergrads.

"While research and development are the backbone of what keeps on industry strong and relevant, it is vital that the

next general of metalcasting engineers have the opportunities to experience how to effectively conduct R&D," IJMC editor-in-chief Tom Prucha said during the competition.

Second place in the IJMC/FEF competition went to Jackson Piontek of Missouri S&T for his project, "Low Distortion Intensive Quench of Low-Alloy High Hardenability Steel." Third place honors were shared

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METALCASTING CONGRESS 2023

Keough to deliver 2023 Hoyt Lecture

John "Chip" Keough will deliver the Charles Edgar Hoyt Memorial Lecture at Metalcasting Congress 2023 in Cleveland.

A pioneering metalcasting entrepreneur and dedicated mentor, Keough is currently chairman of LightSpeed Concepts Inc.. He was selected to present the prestigious annual address by the Honorary Lectures and Papers Committee of the AFS Technical Council.

"Since 1938, the Hoyt Memorial Lecture has been a highlight of Metalcasting Congress, showcasing the visions and ideas of some of the industry's foremost luminaries

and thought-leaders," said AFS CEO Doug Kurkul. "Chip Keough's leadership and impressive contributions to metalcasting make him a wonderful choice to deliver this lecture, and we're all looking forward to his presentation."

Metalcasting Congress 2023 will be April 25-27, 2023, in Cleveland, Ohio.

In addition to heading up LightSpeed Concepts – an additive manufacturing



John "Chip" Keough

equipment and consumables developer and provider – Keough runs Joyworks, a metalcasting "skunkworks," and the digital architectural design generation platform HYPAR.

Keough graduated from the University of Michigan in 1977 with bachelor's degrees in mechanical and metallurgical engineering. In 1980, he became a Registered Professional Engineer. He was named an adjunct professor to University of Michigan's Materials Science and Engineering Department in 2008.

Some of Keough's past accolades include the 2005 AFS Award of Scientific Merit, 2010 China Foundry Association Award of

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AFS rededicates Peters-Robison Metalcasting Library

New name honors late metalcasters committed to education and research

The AFS technical library has been rededicated to honor the legacy of two metalcasting professionals.

The Peters-Robison AFS Metalcasting Library is named in memory of the late R.D. "Butch" Peters and the late Stephen T. Robison. Approved in a resolution adopted by the AFS Board of Directors on Jan. 31, the rededication was officially unveiled during the Volunteer Leadership Awards Luncheon on April 24 at CastExpo 2022, where Technical Council Chair Dave Weiss read the resolution in full.

The original Cast Metals Institute (CMI) Library was named for Peters, who was president of Brillion Iron Works from

1933-1973. He was recognized for his long-standing dedication to metalcasting education and for contributions made by the R.D. and Linda Peters Foundation to CMI in the 1980s.

Robison was an industry veteran who worked for AFS from 1995-2022. At the time of his passing, he was Chief Technical Officer-Emeritus for the Society. Throughout his career, Robison advanced the goals of fostering metalcasting innovation through research, technology transfer, scholarly publication, and technical assistance. Robison was passionate about administering and expanding the library as a resource for the advancement of the industry.



Stephen T. Robison

"Much of Steve's work at AFS was committed to furthering research and supporting our technical committees. Members and peers knew they could always turn to him for technical advice or a helping hand," said AFS CEO Doug Kurkul. "Both he and Mr. Peters were great supporters of metalcasting knowledge-sharing, and it's our great privilege to honor their memories in this way."



R.D. "Butch" Peters

The Peters-Robison AFS Metalcasting Library is the world's largest metalcasting technical library, containing more than 16,000 articles ranging from the 19th century to today. AFS members have full access to the entire print and digital collection.

Mark Adamovits joins Research Board

Mark Adamovits (Senior Project Manager, Matthews International) has joined the AFS Research Board as its newest member. Adamovits has extensive technical experience, including in additive

manufacturing, and is one of the co-authors of the 3D Printed Precision Sand Casting Process pocket guide published by AFS. He also has served on the Additive Manufacturing Division.

Adamovits began his term following the conclusion of CastExpo 2022, after former Chair Jim Archibald



Mark Adamovits

(owner of ARCH LLC) rotated off the board. Archibald previously retired from ASK Chemicals as Director of Business Development. He also was a longstanding member of the Molding Methods and Materials Division.

The AFS Research Board currently is overseeing more than \$400,000 in ongoing metalcasting research projects, in addition to managing another \$2 million in government-sponsored, defense-related casting research. To learn more or to submit a research proposal, visit www.AFSinc.org/research.

Ongoing AFS Research

AFS directly sponsors research programs through a fund based on an allocation of a portion of AFS Corporate Member dues. Below is a list of AFS-funded research projects currently in progress.

- Determining the Effect of Boron in Gray Iron (18-19#03, Missouri S&T)
- Effect of Ceramic Sand on Cast Iron Mechanical Properties (19-20#02, Univ. of Northern Iowa)
- Lost Foam Molds Produced Using Additive Manufacturing (19-20#07,

Tesseract 4D)

- PVD Coatings to Aid Release for Permanent Mold Castings (19-20#09, Colorado School of Mines)
- Dimensional Tolerance Assessment Using 3D Printed Sand Casting Process (19-20#10, Waupaca/PDA LLC)
- Disposable Wireless Sensor systems for Integration within Molds and Cores (19-20#12, Univ. of Texas El Paso/Univ. of Northern Iowa)
- Dynamic Testing and Analytics from Working Green Sand Systems (19-20#14, Western Michigan Univ.)
- Iron Casting Life Cycle Analysis (20-

21#01, Univ. of Michigan)

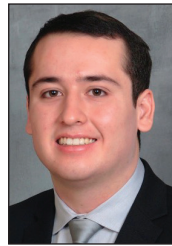
- Quantifying Aluminum Casting Quality Through H Gas (20-21#02, Eck Industries)
- Low CRI, High CSR Coke Cupola Trials (20-21#03, Hay Melting Solutions/Blatzer Consulting)
- Foundry Emissions Benchmarking Database (21-22#02, Mad River Strategies LLC)
- Digital Active Clay Measurement in Green Sand (21-22#05, Western Michigan Univ.)

Meet the AFS Staff

A periodic feature in Member Connections

Bill Finn Marketing and Communications Specialist, bfinn@afsinc.org

Bill Finn joined the AFS team in February. As Marketing and Communications Specialist, he runs AFS's social media accounts and keeps members and the broader metalcasting industry informed about the Society's events, services, products, member benefits, and more. He also keeps the AFS website (www.AFSinc.org) updated with new information. Prior to joining AFS, Bill worked in TV news as a producer for an NBC affiliate, where he wrote scripts, designed graphics, and much more for the news team. Bill graduated from the University of Missouri-Columbia in May of 2020 with a degree in broadcast journalism.



Barbara Jackowski Manager of Customer Service, bjackowski@afsinc.org

Barbara Jackowski joined AFS in 1998 in the magazine circulation department. In 2005, the department was rebranded to the Customer Service department and Barb was promoted to Manager of Customer Service. She is very knowledgeable in the various areas within customer service and plays a key behind-the-scenes role in data management and ensuring the Society's mailing lists are up to date. Barb is also the main contact for Metalcasting Congress registration. Before joining AFS, Barb worked as a registrar.



Greg Kramer Technical Director, gkramer@afsinc.org

Greg Kramer is a new addition to the AFS staff, having stepped into the role of Technical Director in March. His responsibilities include coordinating EHS programming and serving as staff liaison for the EHS Division. Prior to joining AFS, Greg spent 14 years at ME Global Inc., starting as an entry-level process engineer before moving into corporate environmental management roles. Greg is a Licensed Professional Engineer and has a bachelor's degree in chemical engineering and a master's in environmental, health, and safety from University of Minnesota – Duluth. Outside of education and hands-on foundry experience, the single biggest influence on his career has been serving as a member of the AFS EHS Division. Learning from industry leaders with decades of experience, planning and executing valued services and resources for the industry, and staying ahead of regulatory changes have been a springboard to success.



Cathy Potts Director of Human Resources and Administrative Services, cpotts@afsinc.org

Cathy Potts joined AFS in 2015. She supports members by providing professional and personal development opportunities through AFS webinars, summits, and roundtables, and serves as staff liaison to Future Leaders of Metalcasting, the Human Resources Division, and the AFS Management Council. To date, she is most proud of the 2019 International Young Professionals Program, where AFS brought 50 young foundry professionals from Germany, Japan, and the United States together for a week. Cathy has spent the past 6 ½ years helping to develop content for young foundry professionals and middle managers. She came to AFS from Navistar, where she worked for 16 years. She spends her weekends in the summer glamping in Wisconsin with family and friends.



Valerie Stramaglia Senior Associate Director of Accounting and Finance, vstramaglia@afsinc.org

Valerie Stramaglia has worked for AFS and the Institute for nearly 33 years. Her responsibilities include oversight and completion of daily accounting processes, account reconciliation, and month-end and year-end closing of the general ledgers. She is the financial liaison with AFS chapter treasurers and the AFS Research Board. She is dedicated to supporting her colleagues, the AFS members and the industry. Stramaglia is a cum laude graduate of Bradley University with a Bachelor of Arts in accounting.



Sue Thomas Senior Technical Editor, stthomas@afsinc.org

Sue Thomas joined the metalcasting world as an AFS student member. Her interest in earning a degree in material science engineering and metallurgy was piqued during a foundry tour. Her career in metalcasting has ranged from metallurgical research in lost foam casting and metal matrix composites to failure analysis for a Fortune 100 company to technical sales for a premier CNC machine shop. She was a past AFS/CMI instructor for a class she created on machining castings and was a panelist at a past AFS Metalcasting Congress. Since joining AFS over 32 years ago, Sue has worked as executive editor of Modern Casting and as the senior executive editor for AFS Special Publications, editing numerous AFS technical books and well over 1,000 technical papers for the industry. She especially enjoys working with book authors and introducing young people to metalcasting through AFS STEM events using Foundry-in-a-Box patterns/molds built at home.



In-person courses return, online classes still available

Metalcasters who like to learn in a classroom setting now have even more educational options from the AFS Institute.

After several years of offering Live Online metalcasting courses exclusively, in-person classes are returning to the Institute's classroom in Schaumburg, Illinois, beginning with Introduction to Metalcasting on June 1-2, 2022.

"The AFS Institute adjusted quickly in

2020 to offer live, virtual learning, and those classes have proven to be exceptionally popular with our students and their employers," said AFS CEO Doug Kurkul. "Some people prefer in-person instruction, and so we're pleased to offer classroom courses again, as well. Our expert instructors are committed to providing the best educational experience, whether that means the convenience of web-based learning or the hands-on approach of a classroom setting."

In addition to Intro to Metalcasting, a new class, A Selling Framework Bootcamp, also will be offered live on June 9-10, as well as Green Sand Molding 201 on June 23-24.

Online courses hosted on Zoom are still available, including Iron Melting 201: Live Online on June 14-16 and Casting Cost Estimating: Live Online on June 20-22.

The AFS Institute classroom is at AFS Headquarters, 1695 North Penny Lane, Schaumburg, IL 60173.

New Institute courses deliver training for sales, project management success

Metalcasters will hone their sales and project management skills with the help of two new management courses from the AFS Institute: A Selling Framework Bootcamp and Leading Successful Projects by Lake Forest Graduate School of Management.

A Selling Framework Bootcamp is an in-person course offered in collaboration with Sandler Training, the world leader in sales training. The class will share the

process for identifying the right behaviors, attitudes, and technique to maximize the chances of sales success.

Made for salespeople and anyone responsible for business development at a metalcasting facility or industry supplier, this course teaches students how to create the right kind of long-term, valuable customer base. A Selling Framework

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REGISTER NOW

Registration for all AFS Institute courses is available at www.AFSinc.org/courses.

Group discounts for 3+ people from the same company are available by calling AFS Customer Service at (800) 537-4237. Questions? Email AFS Director of Training Solutions Jennifer Christian at jchristian@afsinc.org.

Coming soon: AFS conferences

Learn more or register at www.AFSinc.org/conferences

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

Join with metalcasters on Capitol Hill, where industry leaders will hear directly from members of Congress, administration officials, and policy experts about what they can expect from Washington in the year ahead and beyond.

2022 Aluminum Casting Conference, June 14-16, 2022, St. Louis, MO

Discover the newest developments, trends, and best practices in aluminum casting. Expert presenters will cover every major aluminum casting

topic, with a special emphasis on melt quality and casting process control. This event includes a tour of O'Fallon Casting.

2022 Foundry Industry 4.0 Conference, July 26-27, 2022, Itasca, IL

Industry 4.0 is no longer just about the future. Smart, proactive manufacturers are using innovation and technology to improve productivity, profitability, and worker safety. Evaluating and implementing technology today is the key to remaining competitive and sustainable into your tomorrow. Discover how at this innovative conference focused on Industry 4.0 for metalcasters.

2022 Chapter Officers Conference, August 8-9, 2022, Schaumburg, IL

Chapter leaders from all AFS chapters will convene to discuss best practices in meeting planning, communications, recruitment, student engagement, a fun social event at Topgolf, and more. There will be a comprehensive overview of AFS membership benefits as well as the resources available to chapter leaders.

2022 Sand Casting Conference, September 12-14, 2022, Milwaukee, WI

Discover the latest advances in sand casting technologies. Led by experts in green sand casting and chemically bonded molds and cores, this conference will provide practical tools to improve foundry processes.

2022 Foundry Leadership Sum-

mit, September 18-20, 2022, White Sulphur Springs, WV

Rejuvenate at The Greenbrier, where leaders from all corners of the industry will gather in an energizing setting for highly rated speakers, thought-provoking discussions, and rich networking opportunities. This conference will explore the profound changes sweeping the worlds of manufacturing, technology, economics, trade, and politics.

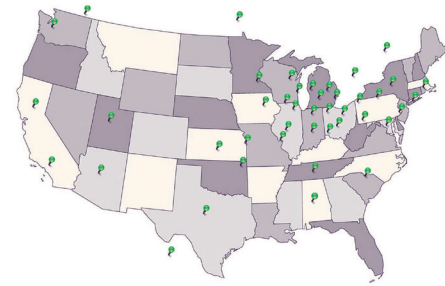
2022 Advanced Cupola Concepts Workshop, September 27-28, 2022, Tell City, IN

Discuss cupola issues and operations beyond the basics, learn to further reduce variations and improve consistency, and gain a more in-depth knowledge of all things cupola at this two-day seminar.

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.

Include your chapter's meetings in the AFS Chapter Calendar! Email your event invitation to membership@afsinc.org and we'll take it from there.



MIDWEST

CAC-Ohio
(Cleveland/Akron/Canton, Ohio region)
<http://cacohioafs.org>
AFS VP of Metalcasting Technical Services Brian Began addressed the CAC Chapter at its March meeting in Wadsworth, Ohio.

Central Illinois

Central Indiana
<https://afscic.org>

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

Central Ohio
<http://www.afscentralohio.org>
The Central Ohio Chapter's Annual Golf Outing is June 4.

Chicago
<https://www.chicagoafs.org>

Detroit/Windsor
<https://afsdetroit.square.site>
The D-W Chapter's Annual Golf Outing, held jointly with the ASM Detroit Chapter, is Aug. 12 Canton, Michigan.

Hawkeye
(Iowa region)
<http://afshawkeye.wixsite.com/afshawkeye>
The Hawkeye Chapter's golf outing is July 9 in Waterloo, Iowa. Recent chapter meetings included an April plant tour in New Hampton, Iowa, and a March meeting AFS Past President Mike Lenahan and Brian Lewis, Executive Director of the Foundry Educational Foundation.

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

Northeastern Wisconsin
<http://www.afsnew.org>
The 12th Annual Robert Roloff Memorial

Golf Outing will be on Aug. 12. Recent chapter events included a March meetup in Neenah, featuring an HR panel discussion, and a May tour of Badger Mining in Fairwater.

Northern Indiana
<http://www.afsnin.org>
The Northern Indiana Chapter hosted technical speaker Randy Knibbe (PADNOS) at its April meeting in Plymouth, and their May Spring Event was held at Back Forty Sporting Clays and Banquet Hall.

Plains States
(Great Plains region)
Recent meetings for the Plains States Chapter included a May meeting in Haysville, Kansas.

Saginaw Valley
<http://www.saginawvalleyafs.org>
The Saginaw Valley Chapter's 71st Annual Golf Outing is June 4 in Saginaw, Michigan. On June 9, members will hold a Foundry-in-a-Box event.

Southwestern Ohio

St. Louis
<http://afsstl.org>

Stateline
(Northern Illinois/Southern Wisconsin region)
The Stateline Chapter will host a golf outing in Poplar Grove, Illinois, on June 17.

Toledo

Tri-State
(Oklahoma/Kansas/Arkansas region)

Twin Cities
(Minnesota region)
<http://afstwincities.org>
The Twin Cities chapter held its Annual Business Meeting in May, featuring a

presentation from AFS Immediate Past President Mike Lenahan (Badger Mining Corp.).

Western Michigan
<http://westmichiganafs.com>
The West Michigan Chapter hosted its 2022 Student Night in March at Muskegon Community College. April's meeting was in Cadillac, Michigan.

Wisconsin
<https://www.wisconsinafs.org>
The 2022 AFS Wisconsin Golf Outing will be Aug. 5 at Muskego Lakes Golf Club. This event includes 18 holes with a cart, prizes, a pig roast dinner, and more. The chapter's Old Timer Recognition Dinner was held in May in Greenfield.

EAST

Central New York
<https://midatlantic.afschaptersites.com>

New England
<http://www.newenglandafs.com>
The New England Chapter will host a golf tournament on June 3 in Charlton, Massachusetts.

Northwestern Pennsylvania
<http://www.nwpaafs.org/index.html>
The NWPA Chapter's golf outing is July 21 in Cambridge Springs, Pennsylvania. In May, members toured The Electric Materials Company in North East.

Pittsburgh
<https://www.facebook.com/AFSPITT>
The Pittsburgh Chapter's golf outing is June 15 in Elwood City, Pennsylvania.

SOUTH

Birmingham District
(Alabama region)
<https://www.afsbirmingham.com>

Chapter Officers Conference returns to in-person format

After two years meeting via webinars, AFS Chapter leaders will again gather in person for networking and idea sharing at AFS HQ in suburban Chicago.

The 2022 Chapter Officers Conference is a once-a-year opportunity for chapter chairs, vice-chairs, secretaries, and other leaders to get together with their peers from across North America. The fast-paced conference opens on Aug. 8 with a social event at Topgolf, a nearby driving range and entertainment venue, and continues on Aug. 9 with discussions on best practices in meeting planning, communications, recruitment, student engagement, and more.

This year, AFS is compiling a "top 10" list of popular and

CHAPTER OFFICERS CONFERENCE

When: Aug. 8-9, 2022
Where: AFS HQ, Schaumburg, IL
Register: AFSinc.org/conferences

successful chapter activities to be presented at the conference. If your chapter hosts a great event, please share it with AFS by emailing Katelyn Stanek at kstanek@afsinc.org or Ben Yates at byates@afsinc.org.

This event is open to all AFS Chapter leaders. To register for the 2022 Chapter Officers Conference, Aug. 8-9 in Schaumburg, Illinois, visit www.AFSinc.org/conferences.



AFS Immediate Past President Mike Lenahan (Badger Mining Corp.) addresses the AFS Twin Cities Chapter on May 10 on the topic "AFS Today – Where We Are and Where We Are Heading." The talk included a discussion about effective leadership to engage, be inclusive of, and motivate employees and coworkers.

<https://www.facebook.com/afsbham>
The Birmingham Chapter's Dunning-Horton Golf Outing & Past Chair Meeting will be Aug. 13 at Highland Park Golf Course in Birmingham. The Past Chairman's Meeting was on May 23. In April, the chapter will host an event at Vulcan Park that included student scholarship presentations.

Piedmont
(Southeast U.S. region)
<http://afspiedmont.org>
On Sept. 30-Oct. 1, the Piedmont Chapter will host a meeting in Blacksburg, Virginia that will include a tour of VT-FIRE. The topic will be Data Collection & Verification plus Past Chairman's Night. The Annual May Outing and Past Chairman's Night was May 12-13 in Hilton Head, South Carolina. The chapter also hosted the 89th Southeastern Regional Conference on March 2-4 in Savannah, Georgia.

Tennessee
<http://www.afs-tn.org>
The Tennessee Chapter hosted technical dinner meetings in April and May in Chattanooga.

Texas
<http://www.afstexas.org>
The Texas Chapter's 2022 Combined Family Outing & Jerry Nagel Golf Classic is June 3-4 in Boerne, Texas. In May, the chapter hosted a separate golf event, the 2022 Annual Leonard P. Rigamonti Memorial Golf Tournament, to raise money for scholarships.

WEST

Northern California
<http://www.afsnorcal.org>

Southern California
<http://www.afssocal.org>
On Aug. 12, the AFS Southern California Chapter will hold its annual industry golf tournament with co-hosts NADCA Chapter 30 in Chino Hills. The chapter also co-hosted a Vendor's Night with NADCA Chapter 30 in April. Also in April, the chapter marked its AFS So Cal Education Night at Cal Poly Pomona.

Utah

Washington

MEXICO

CANADA

British Columbia
<http://afsbcc.ca>

Detroit/Windsor
<https://afsdetroit.square.site>
The D-W Chapter's Annual Golf Outing will be Aug. 12 at Fellows Creek Golf Club & Banquet Center in Canton, Michigan. In April, the chapter held a joint meeting with ASM-Detroit in Livonia. The topic was Improved Tensile Properties in Q&T Ductile Iron.

Eastern Canada
<http://www.afsestcanada.org>

Ontario
<http://afsontario.ca>
The Ontario Chapter's Golf Classic is June 3 in Guelph.

2021-2022 Officers & Board Members



President

Adam W. San Solo

Vice President - Infrastructure

Neenah Enterprises



Vice President

Brad Muller

Vice President of Marketing

Charlotte Pipe & Foundry



2nd Vice President

Angela Schmeisser

President and CEO

St. Marys Foundry, Inc.



Immediate Past President

Michael L. Lenahan

Senior Industrial Sales

Badger Mining Corporation



CEO

Doug Kurkul

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American Foundry Society

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Vice President Industry Relations

Amsted Rail Company, Inc.



John P. Haas

Plant Manager

Grede



John Lancaster

Plant Director

General Motors

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VP Finance, CFO, Treasurer

Waupaca Foundry



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Andrew C. Renkey

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Harmony Castings/TPI Arcade



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Manager - Corporate Engineering

Allied Mineral Products LLC

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Wolf Associate Professor of Metallurgical Engineering Missouri University of Science and Technology



Kiley Eck Hayon

President

Eck Industries, Inc.



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VP of Equipment Sales/Eastern Region

Sales Manager Carpenter Brothers Inc.



Liz Ulman

Vice President

Dotson Iron Castings

Directors Class 2022-2026



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Spring City Electrical Mfg. Co.



George Boyd, Jr.

Managing Member

Goldens' Foundry & Machine Co.



Michael Halsband

President & CEO

Robert Sinto Corp.



Bill Nestel

VP of Manufacturing

Rochester Metals Corp.

AFS represented at World Foundry Summit in New York

The World Foundry Organization hosted the World Foundry Summit 2022 in New York City on May 9-10. AFS and its members were well-represented at the event, which featured the theme "CEOs Reshaping the Foundry Industry."

Officially representing AFS at the summit were WFO Executive Committee member Chris Norch (Denison Industries), former WFO Executive Committee member Denny Dotson (Dotson Iron Castings), and Brian Began (AFS). AFS President Adam San Solo (Neenah Foundry Co.) and AFS Board member Michael Halsband (Roberts Sinto Corp.) also attended. Presenters in-

cluded AFS members Lizeth Medina-Balliet (Neenah Foundry Co.), Dale Gerard (GM), Past AFS President Don Huizenga (Deacon Associates), and Eric Nelson (Dotson Iron Castings).

Corporate members in attendance included representatives from ABP Induction, Charlotte Pipe & Foundry Co., Denison Industries, Dotson Iron Castings, EQI Ltd., Ferroloy Inc., Foseco, General Kinematics, HA International, Inductotherm, Kimura Foundry America, Lodge Mfg. Co., Magaldi Technologies LLC, Tinker Omega Sinto, Simpson Technologies Corp., Waupaca Foundry, and Ferro Dokum San Ve Dis Tic A S.



The World Foundry Summit's 2022 theme was "CEOs Reshaping the Foundry Industry." AFS staff and members attended the event in New York City.

AFS takes part in TACOM Summit

Brian Began, AFS VP of Metalcasting Technical Services, represented AFS at the TACOM (Tank-Automotive & Arma-

ments Command) Casting Summit at the Rock Island Arsenal on April 28. The summit was to discuss DOD investments in casting technology, assist the DOD in becoming a better partner to industry, and discuss and plan for difficulties in the current supply chain for both critical castings and raw materials.

Began was joined by AFS members from Danko Arlington, Colorado School of Mines, Eck Industries, Missouri S&T, PDA LLC, and University of Northern Iowa, among others. The event was attended by nearly 80 people made up of association representatives, military personnel, and foundry experts.

Students continued from Page 6

by the Virginia Tech team of Owen Hall, Liam Kluesener, Adam Seigler, and Jacob Zippel ("Effect of Heat Treatment on the Microstructure and Mechanical Properties of Fe-Mn-Al-Si-C Steel") and Spencer Farland of the University of Northern Iowa ("Improvements to Chemically Bonded Tensile Strength Specimen Design.")

Cast in Steel 2022

CastExpo 2022 also featured a casting competition organized by the Steel Founders' Society of America. The 2022 Cast in Steel Celtic Leaf Sword competition tasked college students with using modern casting tools and technology to produce a classic Celtic leaf sword. Each sword was put through a series of tests, and the final products were shown off during an exciting awards ceremony in the Casting Source Theater on the exhibit floor.

University of Wisconsin-Platteville won first place in the grand prize category, followed by Georgia Southern University and Texas A&M.



Congresswoman Michelle Fischbach (R-MN-7) toured aluminum foundry Dee Inc. in Crookston, Minnesota, on May 2. The foundry was recently purchased by AFS Corporate Member Wisconsin Aluminum. A report from Fischbach's office said she discussed workforce issues, employment, and the global impact of the business. Pictured, from left, are Crookston Mayor Dale Stainbrook, Commissioner Joan Lee, Nick Nicholas, Chuck Henre, Congresswoman Fischbach, Jeff Dufault, Paul Cwikla, and Heather Wang.

Nominations for major AFS awards due June 30

AFS is accepting nominations and letters of support for several major awards honoring technical and management achievements.

All AFS members in good standing are eligible to nominate candidates for Gold Medals, the William J. Grede Award, the Keating Founders' Freedom Award, the AFS Award of Scientific Merit, and the AFS Service Citation. Nominations must be received by midnight (CT) on Thursday, June 30, 2022.

The **William J. Grede Award** is presented for major contributions in the field of management, marketing or education which has resulted in expanding the effective use of metal castings.

The **Keating Founders' Freedom Award**, named in honor of James P. Keating of Neenah Foundry, is given for significant contributions to the foundry industry and active participation in the fields of gov-

ernment affairs, human resource management, safety and health, or education.

The **Gold Medal**, the Society's highest award, is presented for outstanding technical and management contributions. There are several different Gold Medals.

The **Award of Scientific Merit** is intended exclusively as a technical citation for recognition of outstanding papers, meritorious technical service or effort, or development of a process, method, or engineering advancement having "future possibilities."

The **Service Citation** recognizes outstanding general service, primarily of a non-technical nature, to AFS and the casting industry through committees, shared interest groups, regional chapters, student chapters, volunteer course instruction, and other forms of service.

Nominations must be accompanied by a full statement of the background, experience, and contributions of the nominee –

company, title, education, committee service, papers, publications, AFS offices held, honors received, chapter work, etc. All recommendations will be held confidential.

Letters of support can be emailed by June 30 along with the nomination or emailed separately to the Secretary of the Board of Awards, CEO Doug Kurkul, at dkurkul@afsinc.org. Form letters or form faxes will not be considered as letters of support. Letters sent via e-mail must be on company letterhead and attached to the e-mail.

For nomination forms, more information about these awards, and a list of past winners, visit www.AFSinc.org/history and select the award from the left-hand column.

Final decisions for awards rests solely with the Board of Awards, comprised of the last five past presidents of AFS able and willing to serve, with subsequent approval by the AFS Board of Directors.

Weiss family donates journal to Peters-Robison Library

A copy of The Journal of the Society for Industrial Archeology has been

added to collection of the Peters-Robison AFS Metalcasting Library thanks to a donation from Suzanne and David Weiss.

The Weisses co-authored an article in that appears in the journal, "Wonder Metal: Birth of the Aluminum Industry in Manitowoc and Two Rivers, Wisconsin," which describes the history of the American aluminum industry as influenced by these

two small Midwestern towns. The article is available for AFS members to access in the digital archives of the Peters-Robison library.

David Weiss (Eck Industries) is Chair of the AFS Technical Council. The Journal of the Society for Industrial Archeology is a peer-reviewed journal published by the Society for Industrial Archeology.

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Merit, 2014 Foundry Educational Foundation E. J. Walsh Award, and 2017 ASM Heat Treating Society - George H. Bodeen Award. In 2018, he received the AFS Pangborn Gold Medal, the society's highest honor.

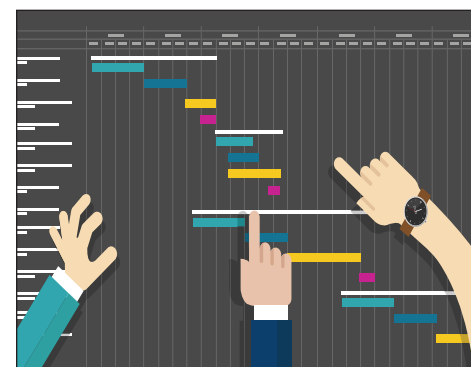
The Honorary Lectures and Papers Committee accepts nominations for future Hoyt Lecturers year-round. Nominees are comprised of accomplished professionals from across the metalcasting supply chain who have expertise in technical and/or management topics. Nominations are commonly, but not always, prepared by AFS committees and divisions. To submit a nomination for a future Hoyt Lecturer, email AFS Senior Technical Coordinator Kim Perna at kperna@afsinc.org.

Courses continued from Page 9

Bootcamp will be held at AFS HQ in Schaumburg, Illinois, on June 9-10, 2022. The instructor is Jared Lockwood, Owner/Principal at Sandler Training.

Leading Successful Projects is an online course teaching students how to leverage key project management concepts and tools.

The four-hour class focuses on structuring a project environment and applying management methods for project management success. Offered in partnership with Lake Forest Graduate School of Management, students will walk away with tools they can implement right away. This course is intended for metalcasting managers and anyone who oversees projects at work.



Leading Successful Projects by Lake Forest Graduate School of Management will be held live on Zoom from noon-4 p.m. (CT) on June 29. The instructor is John Flood, a certified Project Management Professional and faculty member at LFGSM.

New book details keys to structural aluminum castings

Aluminum Castings for Structural Applications is authored by Sahoo and Weiss

A new book from two of the aluminum industry's most respected experts teaches metalcasters the keys to creating superior structural aluminum castings.

Written by Mahi Sahoo and David Weiss, *Aluminum Castings for Structural Applications* goes beyond the basics to explore the factors that affect mechanical properties of structural aluminum castings, the influence of alloying elements, solidification characteristics, heat treatment, and other advanced metallurgical concepts. The book, published by AFS, originated as a well-received presentation delivered by the authors in 2015.

At 229 pages, the book's 10 chapters are:

1. Introduction to Structural Castings
2. Design of Structural Aluminum Castings
3. Influence of Alloying Elements for Structural Applications & Alloy Selection
4. Phase Diagrams and Solidification Characteristics
5. Casting Processes

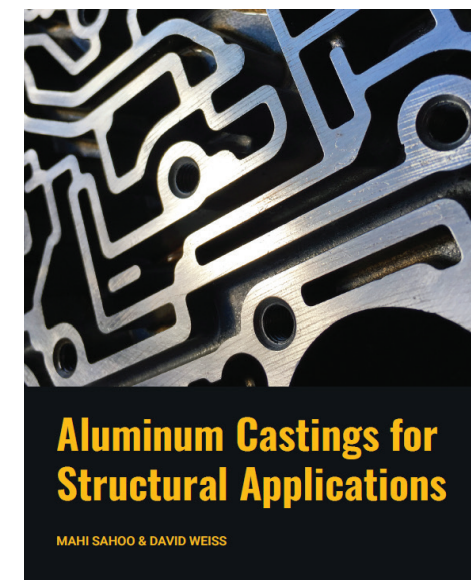
6. Gating and Riser Design
7. Alloys and Composites for High-Temperature Applications
8. Post-Casting Operations
9. Testing for Quality
10. Conclusions: Developing Trends and the Path Forward

Design engineers, manufacturing engineers, casting engineers, foundry metallurgists, and other aluminum foundry staff will benefit from this book. Additionally, *Aluminum Castings for Structural Applications* is a valuable resource for undergraduate and post-graduate students interested in casting technology.

This book is available exclusively from the AFS Store for \$210, or \$157.50 for AFS Members and \$105 for AFS Corporate Members. Visit www.AFSinc.org/store to make your purchase.

About the authors

Mahi Sahoo is President at Suraja Consulting Inc. (Ottawa, Ontario, Canada). A longtime leader in the aluminum industry, Sahoo's expertise includes alloy development, process development, gating and riser design, heat treatment, sand casting, and failure analysis, among other topics. He earned his PhD in physical



metallurgy from the University of British Columbia.

David Weiss is Vice President of Research and Development at Eck Industries (Manitowoc, Wisconsin). He is the recipient of the John A. Penton Gold Medal from AFS for his pioneering work and his willingness to explore new technologies in aluminum, magnesium, and metal matrix composite alloys. Weiss is a graduate of the Milwaukee School of Engineering.

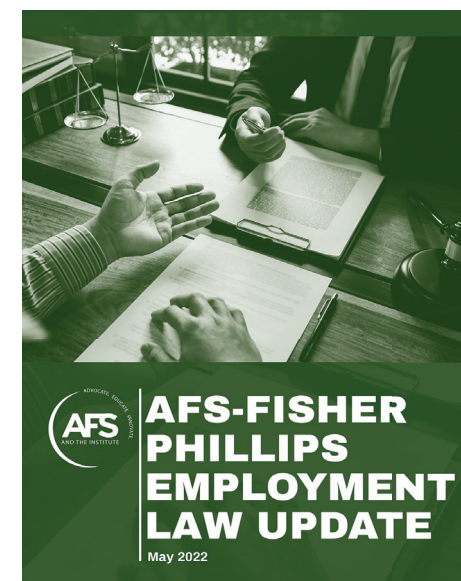
MEMBER BENEFITS

New benefit for Corporate Members: Employment Law Update

AFS Corporate Members have full access to up-to-date information on actions from OSHA and other regulatory agencies as part of a new benefit from AFS unveiled in early May.

In partnership with Fisher Phillips, a leading U.S. labor law firm, AFS delivers monthly Employment Law Updates to all Corporate Members. These digital reports cover topics important to executives, managers, and human resources personnel across the metalcasting supply chain: safety regulations, labor laws, recordkeeping requirements, pending employment legislation, and more.

"Employment laws, regulations, and other workplace rules are complex and ever-changing," said AFS CEO Doug Kurkul. "Our partnership with Fisher Phillips means AFS can provide our Corporate Members with the latest federal policy and regulatory information, a key component of any corpo-



rate compliance program."

The first AFS-Fisher Phillips Employment

Law Update are delivered to Corporate Members. The May 2022 report includes coverage of OSHA's new National Emphasis Program on heat illnesses and injuries, proposed amendments to occupational injury and illness recordkeeping rules, and harassment-free workplace policies, among other issues. Each article from the experts at Fisher Phillips includes plain-language descriptions of pertinent laws and regulations, explanations as to how they affect employers and employees, and advice on lawful strategies for compliance.

AFS-Fisher Phillips Employment Law Updates are available only to AFS Corporate Members. To learn more about benefits for Corporate Members or for a membership application, visit www.AFSinc.org/corporate-membership or email Ben Yates, AFS VP of Marketing & Business Development, at byates@afsinc.org.

AFS DIVISIONS & COMMITTEES

AFS Division Leaders

AFS is grateful to the many members who volunteer their time and talents on divisions and committees. Below are this year's AFS Division leaders, many of whom started their terms immediately following CastExpo.

TECHNICAL COUNCIL

Chair: David Weiss, Eck Industries

Vice Chair: Adam Kopper, Mercury Marine

Secretary: Tim Hoyt, Allied Mineral Products

Additive Manufacturing

• Chair: Kirk Rogers, M&P Gravity Works LLC

• Vice-Chair: Dave Rittmeyer, Hoosier Pattern, Inc.

Aluminum & Light Metals

• Chair: Herbert Doty, General Motors

• Vice-Chair: Luke Schimmel,

Fairbanks Morse Engine

Cast Iron

• Chair: Eric Nelson, Dotson Iron Castings

• Vice-Chair: Lizeth Medina-Balliet, Neenah

Copper Alloy

• Chair: Jim Valentine, Neptune Technology Group Inc.

• Vice-Chair: Jacob Johnson, Fosco

Engineering & Smart Manufacturing

• Chair: Gregory Bray, Electric Controls & Systems Inc.

• Vice-Chair: Zach Meadows, Electric Controls & Systems Inc.

Environmental, Health & Safety

• Chair: Craig Schmeisser, Mad River Strategies LLC

• Vice-Chair: Brent Charlton, Metal Technologies Inc.

Lost Foam

• Chair: Tedd Sheets, Betz Industries

• Vice-Chair: Jacob Belke, Mercury Marine

Melting Methods & Materials

• Chair: Pete Satre, Allied Mineral Products Inc.

Molding Methods & Materials

• Chair: Pete Gravunder, Badger Mining Corp.

• Vice-Chair: Scott Giese, University of Northern Iowa

Steel

• Chair: Dr. Robert Tuttle, Western Michigan University

• Vice-Chair: John Tartaglia, Element Materials Technology

MANAGEMENT COUNCIL

Chair: Alexandria Trusov, Alpha Resources LLC

Vice Chair: Jason Gutierrez, Soundcast

Future Leaders of Metalcasting

• Chair: Tom Bye, Dotson Iron Castings

• Vice-Chair: Jordan Brown, BCI Solutions, Inc.

Government Affairs

• Chair: Eric Meyers, Oil City Iron Works, Inc.

• Vice-Chair: Alan Brink, Spring City Electrical Mfg. Co.

Human Resources

• Chair: Phil Eatherton, Waupaca Foundry, Inc.

• Vice-Chair: Amanda Groves, Lodge Mfg. Co.

Marketing

• Chair: Norwin Merens, Lillian Group Marketing LLC

• Vice-Chair: Cara Lynch, Inductotherm Corp.

Women in Metalcasting

• Chair: Alexandria Trusov, Alpha Resources Inc.

• Vice-Chair: Michelle Ring, American Colloid Co.

Most AFS committees are accepting new members! To learn more about the AFS committee structure and how you can get involved, visit www.AFSinc.org/committees.

AFS WELCOMES NEW CORPORATE MEMBERS

Through May 23, 2022



Alpha Resources Inc.
Stevensville, Michigan



Asia Forging Supply Co. Ltd.
Romulus, Michigan



DYASA Desmoldantes y Aditivos
García, Nuevo León, Mexico



Elemental Metals
Randolph, New Jersey



Flowserve Inc.
Irving, Texas



Hascor USA Inc.
San Antonio, Texas



Industrial Magnetics Inc.
Boyer City, Michigan



King Commercial Capital Inc.
Fort Wayne, Indiana



Leading Marks LLC
Ingomar, Pennsylvania



North Star Imaging
Rogers, Minnesota

2022 FOUNDRY LEADERSHIP SUMMIT



The Historic Greenbrier Resort | White Sulphur Springs, WV
September 18 - 20, 2022

The Right Issues.

The Right People.

The Right Location.

Explore the profound changes sweeping the worlds of manufacturing, technology, economics, trade, and politics. You'll emerge refreshed, renewed, and ready to embrace the future.

To register for the Foundry Leadership Summit, visit

WWW.AFSINC.ORG/2022FLS



AFS EVENTS

2022 AFS Government Affairs Fly-In | Washington, D.C. | June 7-8
2022 Aluminum Casting Conference | St. Louis, MO | June 14-16
2022 Foundry Industry 4.0 Conference | Itasca, IL | July 26-27
2022 Chapter Officers Conference | Schaumburg, IL | Aug. 8-9
2022 Sand Casting Conference | Milwaukee, WI | Sept. 12-14
2022 Foundry Leadership Summit | White Sulphur Springs, WV | Sept. 18-20

INSTITUTE COURSES

A Selling Framework Bootcamp | Schaumburg, IL | June 9-10
Iron Melting 201: Live Online | June 14-16
Casting Cost Estimating: Live Online | June 20-22
Green Sand Molding 201 | Schaumburg, IL | June 23-24
Aluminum Metalcasting 101: Live Online | June 27-28
Leading Successful Projects by LFGSM: Live Online | June 29

AFS OFFICERS

Adam San Solo, President
Vice President - Infrastructure
Neenah Enterprises

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

Angela Schmeisser, 2nd Vice President
President & CEO
St. Marys Foundry, Inc.

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

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Vice President of Marketing & Business Development
Ben Yates, byates@afsinc.org

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Published by AFS, Schaumburg, IL

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.

Foundry E-Learning

Your Competitive Advantage.

Workforce development on demand from the AFS Institute

Give workers the tools to boost quality and productivity with an **AFS Foundry E-Learning** subscription. Your staff gets unlimited access to online training that's accessible from any computer, on any shift. Set goals, track progress, and watch workforce proficiency soar.

- 100+ modules covering metalcasting basics to advanced manufacturing concepts
- 20+ modules available in Spanish
- Easy-to-use learning management system, Absorb.

Learn more at
www.afsinc.org/foundry-e-learning.

For a free demo, contact
Jen Christian at jchristian@afsinc.org.

See the Institute's 2022 digital catalog for module descriptions!

Check out pgs. 25-27 at afsinc.org/2022InstituteCatalog

