



AFS 2018 ANNUAL REPORT

MODERN METALCASTING ADVANCES

ADVOCATE. EDUCATE. INNOVATE.

AFS 2018 ANNUAL REPORT MODERN METALCASTING ADVANCES

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DEAR AFS MEMBERS & FRIENDS,

Your partnership made 2018 a year of exciting progress for the **American Foundry Society**, mirroring the strong economic conditions in our industry as a whole. As this Annual Report illustrates, AFS focused sharply in three areas: modernizing its operations and offerings, furthering its technical strength, and delivering enhanced superior member service.

The focus on **modernization** began with a **new Strategic Plan** that will guide our endeavors on behalf of metalcasters through the year 2022. It continued with a **new website** that delivers a more modern view of metalcasting, with advanced search technology that allows swifter access to content, even on mobile devices. One of the most welcomed advances, the **new digital AFS Library**, not only provides easier access to 15,000 articles, but also became a complimentary member benefit. AFS also modernized its governance structure as well as its facilities, installing **energy-efficient LED lighting** to provide our students, committee members and employees alike with a more productive work experience.

The emphasis on **enhanced technical strength** started with the AFS library, and incorporated improvements in how AFS more swiftly generates and evaluates higher-impact research proposals. For example, one timely research project on sweepers and silica contributed to an AFS policy victory concerning sweeper use. AFS also delivered **silica-compliance** resources in a variety of formats and hosted an increased number of memorable **technical conferences** in 2018.

The AFS commitment to superior member service led to new member benefits, such as more than **30 Members Only Webinars**. The return of the **AFS Professional and Technical Salaried Survey** complements the longstanding **AFS Foundry Hourly Wage and Benefits Survey**, and the planned return of the **CastExpo Buyer & Designer Track in 2019** also responds to member needs.

Member involvement drives AFS in committees, chapters, Future Leaders of Metalcasting, Women in Metalcasting, and various events. Once again, we are happy to report that member involvement is on the rise. We are grateful for our members' engagement.

As we look forward, we know this is a pivotal time for metalcasters. While we face challenges, our industry is poised to take advantage of evolving opportunities. We hope to see you all at **CastExpo 2019** in April in Atlanta. Thank you again for your support of AFS.

With appreciation,



President
Jean Bye



Vice President
Peter C. Reich



2nd Vice President
Michael L. Lenahan



Immediate Past President
Patricio Gil



CEO
Doug Kurkul



MODERNIZATION

AFS is on the cutting-edge of modern metalcasting. From award-winning publications that set the industry standard to forward-thinking committees that anticipate the needs of today's — and tomorrow's — metalcasters, AFS is focused on modernization.

NEW STRATEGIC PLAN

The AFS 2018-2022 Strategic Plan outlines the direction of AFS over the next four years. The plan includes metrics to measure the progress of the following goals:

MEMBER SUCCESS & SUSTAINABILITY

AFS will provide services, information and networking opportunities that are vital to the success of individual members, as well as corporate member metalcasters, suppliers, and casting purchasers.

INDUSTRY STEWARDSHIP

AFS will lead outreach activities to enhance the image of the metalcasting industry with target audiences.

POLICY ADVOCACY

AFS will proactively advocate for public policies that benefit U.S. metalcasters, encourage a strong U.S. industrial base, and support national defense.

PROMOTION OF CASTINGS

AFS will advocate for the increased use of castings through the development of new parts and materials, conversions, exports, and reshoring, and will offer resources helping casting purchasers to make wise purchasing decisions.

WORKFORCE DEVELOPMENT

AFS and the Institute will lead workforce development initiatives and provide innovative education programs that meet customer needs and increase the skill levels of metalcasting industry workers.

TECHNICAL INNOVATION

AFS will exercise technical leadership in the areas of technology transfer, scholarly publication, cutting-edge research, and technical assistance to drive innovation in the metalcasting industry.

NEW WEBSITE

In April of 2018, AFS launched a brand-new website with a more modern and positive view of metalcasting. In aligning with the association's strategic direction, the new afsinc.org now has a greater focus on several key elements: much-improved navigation for users, streamlined information about careers in metalcasting, a clear presentation of the economic importance of the industry to our modern quality of life, and one-stop access to information for casting designers and buyers.

The new website kept the resources familiar with AFS members. This includes materials for employee recruitment and retention, research, upcoming events and conferences, involvement in AFS, and pathways to pursuing conversions and reshoring casting orders from overseas.

Enhanced member benefits, including **AFS Members Only Webinars** and unlimited member access to one of the world's premier metalcasting libraries, are among the hallmarks of the new site. The **AFS Store** and **AFS publications**, including *Modern Casting* and *Metal Casting Design & Purchasing* magazines, are also accessible through the site.



AFS launched a new, streamlined website in April 2018.

ENHANCED GOVERNANCE

The AFS Management Council celebrated its first full year in 2018. An initiative led by current President Jean Bye, the council operates parallel with the Technical Council and oversees AFS leadership in management matters.

AFS committees empower the metalcasting industry through the advancement of additive manufacturing. AFS has modernized its committee structure by making Additive Manufacturing a standing division, with three committees.

AFS has modernized in 2018 with the adoption of a new Code of Conduct. The measure is designed to ensure attendees participate in events with a spirit of collegiality, collaboration, professionalism and respect. AFS is committed to providing our members and event attendees with a quality experience. We take any violation of the above standards extremely seriously. You can find the AFS Code of Conduct at afsinc.org/code-conduct.

STUDENT ENGAGEMENT

Student engagement is at the heart of AFS' efforts to inspire the next generation of metalcasters. Under the leadership of Technical Council Chair Kathy Hayrynen, who has been integral to the Society's promotion of student engagement, AFS has seen increased student attendance at trade shows, more student membership conversions, and stronger collaboration with the Foundry Educational Foundation.

Additionally, AFS supports dozens of Student Chapters at colleges and universities throughout North America, including the newest chapter, Youngstown State University, which was established in late 2018. AFS emphasizes continuous membership involvement, from the student level onward, through its "Career Enhanced Through AFS Involvement" posters, print campaign, and more.

MODERNIZED MEMBER COMMUNICATIONS

In its first full year, *AFS Insider News* has grown into a valuable member benefit. The weekly newsletter gives AFS members an inside scoop on metalcasting news, events, and research. AFS has also elevated its social media profile with an active presence on Facebook, Twitter, Instagram, and LinkedIn. To help communicate the importance of metalcasting, AFS has increased its use of video. Earlier this year, AFS released its Advocacy video that highlights the Society's role in championing the metalcasting industry. You can see how AFS advocates for the industry at afsinc.org/metalcasting-tv/afs-advocacy. A Careers in Metalcasting video will debut in 2019.



AFS Insider News delivers AFS and industry updates to members every Thursday.

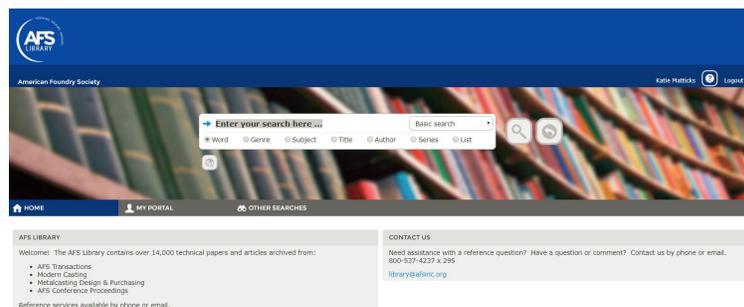
NEW LIGHTS

The future of metalcasting is bright! As part of the modernization efforts of AFS, new LED lights were installed at AFS headquarters. The new LEDs are significantly brighter, more energy efficient and longer lasting.

NEW LIBRARY

AFS has the largest metalcasting library in the world, and at the beginning of 2018, the Society launched a new version as a member benefit. The new digital library is loaded with articles on research and development in the metalcasting industry. In its first year, 700 unique users have made 9,000 searches.

The new AFS Library features mobile-friendly design, a dynamic search function and personalized user experiences that include the ability to create a custom catalogue of papers and set alerts for new articles. The library contains material from publications such as



The new AFS Library was launched in early 2018 as a member benefit.

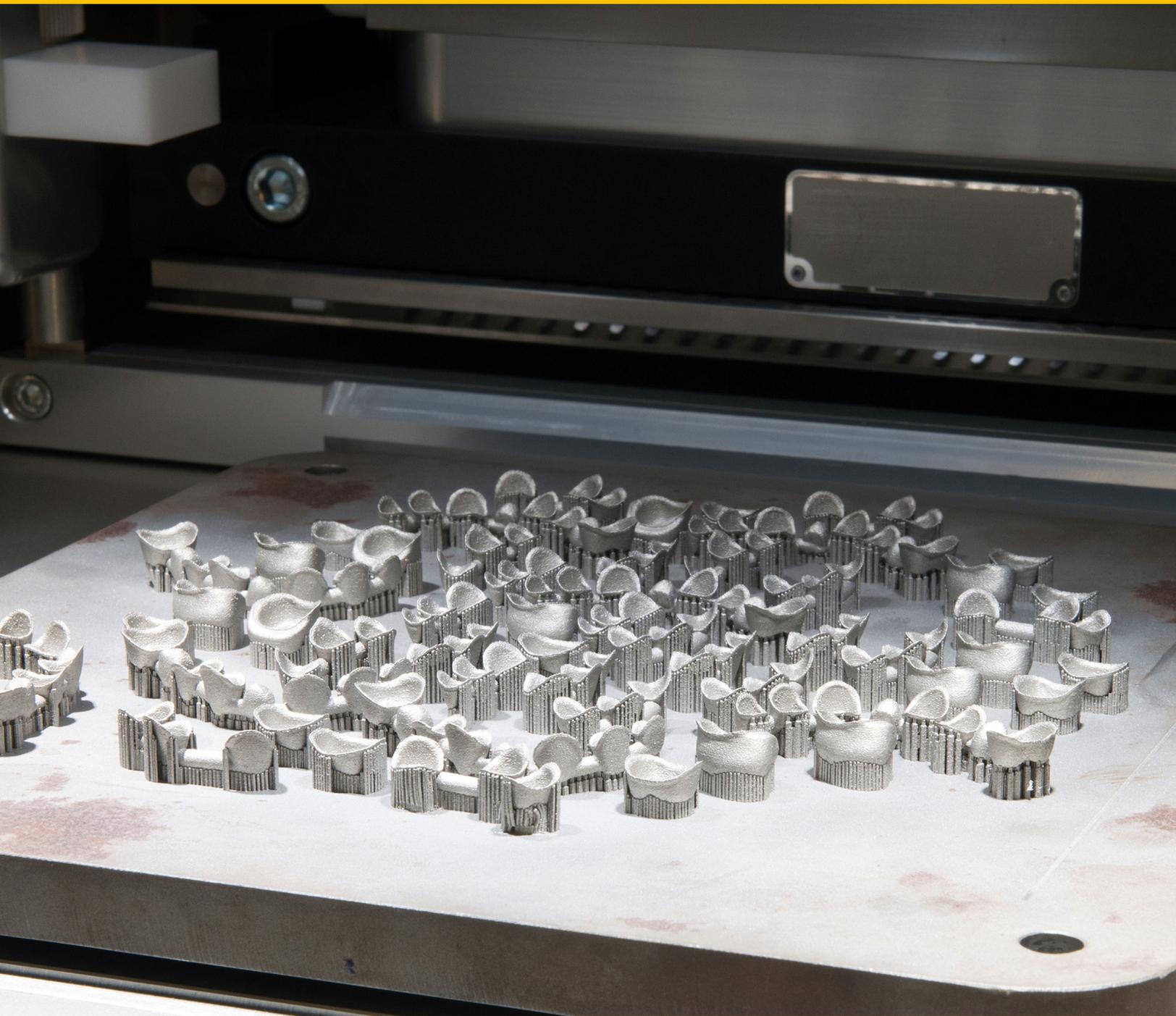
Modern Casting, *Metal Casting Design & Purchasing*, *AFS Transactions*, and AFS conference proceedings. This resource provides world-class technical expertise and information to help foundries solve important technical issues and casting problems and improve quality and productivity. With articles dating back to 1896, the AFS Library gives access to the wisdom of some of the industry's most renowned technical experts of the past that can be applied to the problems today's metalcasters face.

AZBEES AWARDS

Modern Casting staff earned two writing awards from the American Society of Business Publication Editors (ASBPE) at the Upper Midwest Region awards banquet in Chicago on April 19, 2018. Called the AZBEES, the awards recognize excellence in journalistic reporting for business-to-business and trade publications.

Shannon Wetzel, managing editor, won the silver award in the editorial/editor's letter category. Wetzel's entry also was one of the highest scoring submissions in all regions, making her a national AZBEES finalist. Wetzel received the Bronze National Award in Washington D.C. during a ceremony on May 10, 2018.

Brian Sandalow, associate editor, won the silver award in best company profiles for his article, "Danko Arlington Plots Its Future," from the June 2017 issue of *Modern Casting*.



TECHNICAL STRENGTH

AFS is a leader in sponsoring vital research, hosting dynamic conferences, and providing the best in technical resources. With the world's largest metalcasting libraries now available to all members and more high-impact research projects moving forward, the technical strength of AFS benefits every corporate and individual member.

TECHNICAL CONFERENCES

AFS member involvement is the force that provides excellent technical services. That tradition continued in 2018 with conferences on:

- Practical Cupola
- Stormwater Compliance
- Cast Iron Inoculation
- Additive Manufacturing
- Foundry Environmental Air
- Environment, Safety, and Health
- Advanced Cupola Operations
- Aluminum Metalcasting

In 2018, nearly 700 people attended AFS technical conferences, and 2019 starts with the Advanced Foundry Waste & Byproducts seminar.



Attendees pose with a 3D-printed Ford Shelby Cobra at the Oak Ridge National Laboratory and Manufacturing Demonstration Facility during the 2018 Aluminum Casting Conference in November.



Tim Gornet of the University of Louisville Rapid Prototyping Center speaks during the 2018 Additive Manufacturing for Metalcasting Conference in September.



AFS 2nd Vice President Mike Lenahan, left, is presented with the 2018 Childress-Loebler EHS Lifetime Achievement Award by EHS Division Chair Dan Oman at the AFS 30th Environmental, Health, & Safety Conference in October.

MANAGEMENT CONFERENCES



Attendees listen to a presentation at the 2018 Foundry Leadership Conference in September.

Metalcasting leadership keeps growing! In 2018, the management side of the industry gathered to move metalcasting forward with conferences on:

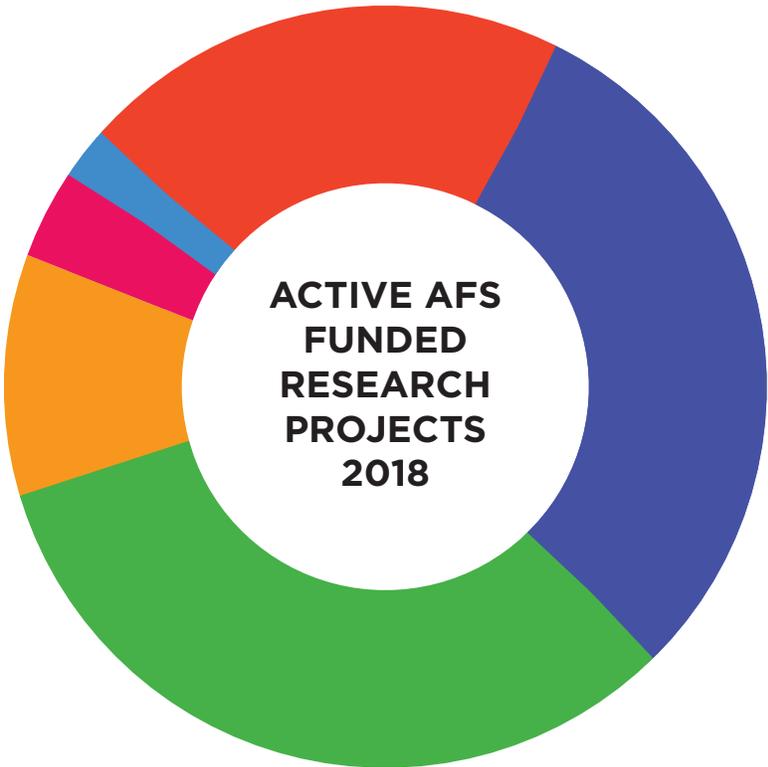
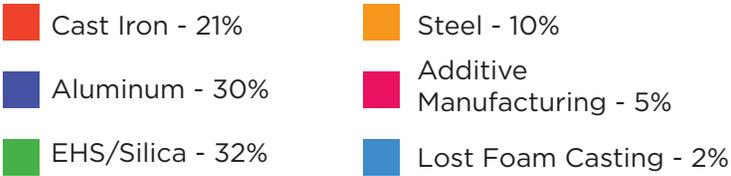
- Metalcasting Industry Human Resources
- Metal Casting Supply Chain Summit
- Metal Casting Industry Supplier Summit
- Government Affairs Fly-In
- Human Resources Roundtable
- Foundry Leadership
- Future Leaders of Metalcasting
- Marketing & Sales

AFS conferences were a large success in 2018 thanks to member involvement. Future Leaders of Metalcasting, and the Foundry Leadership Conference held their biggest meetings in years.

AFS RESEARCH

AFS strengthened its innovation in the area of research. Two years ago, the Research Board listened to feedback about lengthy evaluation periods slowing projects down. This year, AFS has streamlined the proposal process by modernizing communication and introducing a rapid proposal form. AFS is now vetting and expediting proposals with no compromise in thoroughness.

AFS has funded about \$700,000 in metalcasting research over the last three years, and another \$300,000 has been donated from the industry. AFS is also involved in about \$2 million of outside funded research partnerships. The goal of all AFS research is to improve the efficiency, quality and profitability of the foundry industry.



STREAMLINED RESEARCH PROCEDURES

This year, AFS implemented an improvement to research contracts. In the past, contracts were not as tight as they could be. With the help of a new research assistant, AFS now ensures projects stay on track and research findings are widely available to AFS members. This new benefit allows AFS members to leverage the data to improve their processes and castings.

GLOBAL IMPACT

AFS spans the globe! CEO Doug Kurkul represented AFS at the WFO World Foundry Congress in Krakow, Poland, Sept. 23-27, and the World Foundry Summit in Rome, Italy, Nov. 8-9. AFS President Jean Bye presented in Rome on disaster recovery planning.

Technical innovation was the focus of AFS Chief Technical Officer Steve Robison's presentation at FundiExpo 2018 in Guadalajara, Mexico, Oct. 24-26. AFS past president Patricio Gil delivered the opening address.

AFS saw a 47% increase in submissions to the *International Journal of Metalcasting* for 2018. The *International Journal of Metalcasting*, representing 39 different countries, is dedicated to leading the transfer of research and technology for the global metalcasting industry.



AFS Chief Technical Services Officer Steve Robison discusses innovation at FundiExpo 2018 in Guadalajara, Mexico, in October.



SUPERIOR MEMBER SERVICE

Members make AFS, and AFS strives to serve them at every point in their metalcasting journey. As part of our commitment to superior member service, AFS delivers strong advocacy for our industry, educational webinars and workforce training, compliance support, business intelligence, and more.

MEMBERS ONLY WEBINARS

AFS Members Only Webinars are the source for growing metalcasting knowledge. In 2018, AFS increased the number of educational webinars by 400% with 900+ attendees. Topics ranging from silica compliance to government affairs were among the most popular webinars in 2018.

Here is a list of AFS Members Only Webinars offered in 2018:

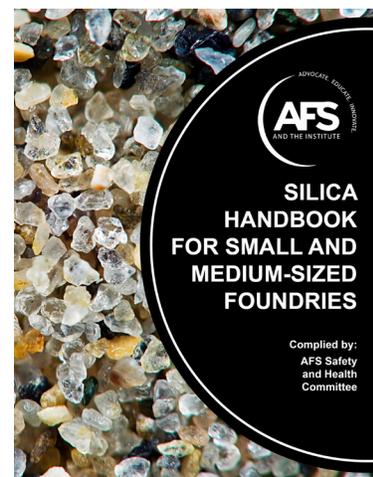
- A New Look at Mn-S Balancing in Gray Cast Iron
- Tax Reform Is Here
- Casting Uncommon Aluminum Alloys
- Exploit the Industrial Internet of Things (IIOT) for Increased Productivity & Lower Costs
- Predictive Analytics in the Metal Casting Industry — A Case Study
- Silica Substitutes — Will They Work for Your Foundry?
- Prediction of Core Gas Pressure from Chemically Bonded Sand Molds Using Process Simulation Software
- Casting Alloy Data Search (CADS) Tool
- How to Select an Industrial Hygienist and What to Expect When They Come
- Finite Element Analysis of Low-Alloy Steel Castings
- Respiratory Protection and Medical Surveillance for Silica
- Veining & Penetration Reduction
- Reduction of Coating Related Casting Defects
- Control of Silica Exposures: Part 1
- Design and Engineering for Toolingless Sand and Investment Castings
- The Metalcasting World at Your Fingertips: The AFS Library
- Countdown to Compliance Under OSHA's Final Silica Rule
- Getting the Most From the New AFS Website
- AFS Trade Webinar: Update on Section 232 Steel & Aluminum Tariffs and Retaliation Measures
- Control of Silica Exposures: Part 2
- Best of Congress 2018 — Hoyt Lecture
- Housekeeping and Silica Exposure Control Plans
- Best of Congress 2018 — An Update on the Latest Trends in Ferrous Charge Material
- Best of Congress 2018 — What Impact will 3D Metal Printing have on Investment Casting?
- Silica Q&A Panel
- Best of Congress 2018 — Aluminum Casting Alloy for High Performance Engines
- Influence of Rare Earth Additions on the Structure of HY 100
- Preview: AFS Marketing & Sales Conference
- 2018 Midterm Elections: What Will Divided Government Mean for the U.S. Metalcasting Industry?
- Best of Congress 2018 - Reuse of Foundry Sand

In 2018, AFS also introduced the AFS Members Only Webinar Archive. Located conveniently on the AFS homepage, AFS members can now access previously recorded webinars on-demand.

SILICA COMPLIANCE SUPPORT

AFS delivers expert silica compliance support to members through a variety of channels. In 2018, AFS released the *Silica Handbook for Small and Medium-Sized Foundries*. The digital handbook is a 200+ page document that includes copies of the crystalline silica standard, a plain language description of silica compliance requirements, and more than 30 attachments of fillable forms, spreadsheets to track lab analysis, case studies from foundries, lists of service providers, and a template to develop a Silica Exposure Control Plan. This AFS Members-only resource is found on the AFS Silica Resource page at afsinc.org/silica.

Also available on the AFS Silica Resource page are silica-related webinars, resource links, signage for regulated areas, OSHA resources, vendors, and much more to support members with silica compliance.



In 2018, AFS released the *Silica Handbook for Small and Medium-Sized Foundries* to support members in their silica compliance efforts.

POLICY VICTORIES

AFS MEMBERS CARRY INVEST IN INFRASTRUCTURE MESSAGE TO LAWMAKERS DURING INDUSTRY FLY-IN

Metalcasters converged on Washington, D.C. for the annual AFS Fly-In, May 15-16. The event, co-hosted with Casting Industry Suppliers Association (CISA), combined up-to-the minute policy briefings on key issues moving through Congress affecting the industry, as well as an overview of the continuing discussions with OSHA on the silica rule FAQs, opportunities to speak face-to-face with elected representatives in Washington, and an insightful glimpse of “inside baseball” into how President Trump operates.

AFS Fly-In participants made several effective visits to nearly 100 congressional offices. Two members of Congress, Sen. Ron Johnson (R-Wisconsin) and Rep. Bill Johnson (R-Ohio), were presented with the Metalcasting Industry Eagle Award for their strong support of the metalcasting industry at an evening reception at the Capitol Hill Club.

During their meetings with elected representatives and their staff on Capitol Hill on Wednesday, May 16, metalcasters discussed:

- Importance of updating our nation’s infrastructure, such as roads, bridges, ports, and drinking and wastewater systems, in order to remain competitive in a global economy
- Signing onto House and Senate letters to OSHA requesting delay of 180 days in enforcement of OSHA’s silica rule
- Workforce shortage challenges facing foundries and urging swift passage of the Strengthening Career and Technical Education for the 21st Century Act (H.R. 2353)
- Benefits of recently passed tax reform package Tax Cuts & Jobs Act.



Sen. Ron Johnson (R-Wisconsin) accepts the Metalcasting Industry Eagle Award.



Sen. James Lankford (R-Oklahoma) meets with constituents during the AFS Government Affairs Fly-In in May.

OSHA AGREES USE OF NON-HEPA INDUSTRIAL SWEEPERS IS ACCEPTABLE UNDER NEW SILICA RULE

OSHA’s crystalline silica rule did not clearly state which types of industrial sweepers are permitted under its new standard. AFS and its attorney engaged in conversations with OSHA staff and their attorneys in order to clarify the types of sweepers that are acceptable under the rule. AFS is pleased to report that in early October, OSHA agreed to allow the use of industrial sweepers not equipped with HEPA filters, as long as the employer

follows other applicable requirements in the standard (e.g., the hierarchy of controls to reduce and maintain exposures below the Permissible Exposure Limit [PEL]) and maintains the equipment in accordance with manufacturer recommendations. It is expected that OSHA also will encourage employers who are purchasing new industrial sweepers to purchase sweepers equipped with HEPA filters.

AFS SUPPORTS EPA'S PROPOSED AFFORDABLE CLEAN ENERGY RULE

On August 31, 2018, the U.S. Environmental Protection Agency (EPA) proposed the Affordable Clean Energy (ACE) rule to address greenhouse gas emissions from existing coal-fired power plants. This rule would replace the Obama Administration's Clean Power Plan (CPP) rule and provides greater flexibility for states in addressing emissions from existing power plants.

In proposing, the ACE rule, EPA has provided a clearer definition of best system of emission reductions (BSER) by identifying a list of heat-rate efficiency improvements. The proposed rule also allows states up to three years to develop their state implementation plans (SIPs) for CO2 emissions reductions.

The proposed ACE rule would continue to decrease CO2 emissions by 34 percent below 2005 levels (which is similar to the targets of the CPP). The proposed rule would result in \$3.4 billion in net benefits and could avoid \$6.4 billion in compliance costs compared to the CPP.



ABOVE: AFS President Jean Bye addresses the crowd at the 2018 Metalcasting Congress during her keynote presentation.

BELOW: Doug Kurkul meets with keynote speaker Steven Moore and Management Council Chair Brad Muller at the 2018 Metalcasting Congress.



AFS-SUPPORTED WORKFORCE LEGISLATION SIGNED BY PRESIDENT TRUMP

Key workforce legislation supported by AFS went into law July 31, when President Trump signed an act overhauling the nation's career and technical education law.

The bipartisan Strengthening Career and Technical Education for the 21st Century Act (H.R. 2353) reforms, modernizes, and increases funding for the Carl D. Perkins Career and Technical Education (CTE) Act. The act, which hadn't been updated in more than a decade, is the primary source of federal funding for the improvement of secondary and postsecondary career and technical

education programs across the nation.

The law will align CTE programs to the needs of regional, state and local labor markets, support improved collaboration between secondary and postsecondary institutions and employers, increase student participation in work-based learning opportunities, and promote the use of industry-recognized credentials and other recognized postsecondary credentials, including those used by AFS and the metalcasting industry.

EPA POLICY VICTORY: 'ONCE IN, ALWAYS IN' WITHDRAWN

In a victory for industry, the U.S. Environmental Protection Agency eliminated the "once in, always in" policy under the Clean Air Act in January.

The policy required "major sources" — facilities that release at least 10 tons per year of a single hazardous air pollutant or 25 tons of any combination of HAPs each year — to comply with applicable maximum achievable control technology (MACT) standards in perpetuity, even when they reduced emissions below major-source thresholds.

Now, facilities can be reclassified as smaller "area sources" subject to less stringent requirements.

AFS had long opposed the rule and welcomes the policy's withdrawal as a positive step in encouraging the metalcasting industry to continue seeking further reductions of air emissions. The incentives are in keeping with the industry's commitment to environmentally sustainable growth.

SHRINKING THE SKILLS GAP

MANUFACTURING DAY

AFS opened its doors to local students, educators, and elected officials for Manufacturing Day on Oct. 5. Coordinated by AFS staff, the annual celebration of manufacturing allowed students to make their own castings, explore career opportunities in metalcasting, and hear a presentation from Matthew Cummins, artist in residence at the Museum of Science and Industry. AFS recruited 15 Corporate Members to the program. Participants reported great success. To see how AFS Corporate Members celebrated Manufacturing Day, please visit afsinc.org/manufacturing-day.



A high school student checks out a casting during Manufacturing Day at AFS Headquarters in October.

TESTIFYING ON THE SKILLS GAP

The president and CEO of St. Marys Foundry (St. Marys, Ohio), an AFS Corporate Member, spoke to members of Congress on behalf of AFS about the skills gap and small business workforce shortages on June 14, 2018.

Angela Dine Schmeisser, a fourth-generation owner whose foundry employs 160 people, testified before the U.S. House of Representatives Committee on Small Business during a hearing titled “Shrinking the Skills Gap: Solutions to the Small Business Workforce Shortage.”



St. Marys Foundry President and CEO
Angela Dine Schmeisser

The hearing examined the state of the current small business workforce and provided an opportunity for small business owners and experts to provide innovative solutions to combat the small business employee shortage.

\$1 MILLION INVESTMENT

A five-year, \$1 million investment in the AFS Institute approved by the Board of Directors was completed in 2018.

Since the launch of the investment in 2013, the Institute redeveloped its course catalog. The results of the five-year investment resulted in 37 new instructor-led classes and 108 e-Learning modules covering all areas of metalcasting. Revamping the Institute’s courses was an anticipation of the needs of the industry. Metalcasters asked for shorter, more interactive classes that emphasized hands-on tasks. They also wanted courses that covered entry-level concepts for new employees, and advanced material for experienced metalcasters.

Twenty Spanish-language e-Learning modules—interactive, online training programs—were also added to the catalog. The classes and modules were created by instructional designers who worked with subject-matter experts to develop the curriculum. Courses emphasize discussion, activities, and practice, and incorporate the latest technology and industry best practices.

ENHANCED WAGE & SALARY SURVEYS

Wage and salary surveys returned this year with a pair of surveys that were distributed to gather information on compensation and benefits at metalcasting plants across North America. The survey results help AFS members keep their wage and benefits structure competitive to attract and retain more skilled workers.

The confidential surveys aggregated information about compensation by job position and benefits, including vacation, insurance, raises/bonuses, retirement plans, and shift premiums.

The relaunched Professional and Technical Salaried Survey contained 15 management positions and provided a greater level of detail than former reports. The AFS Foundry Hourly Wage and Benefits Survey also has been reformulated and contained 27 hourly positions that reflected the current metalcasting industry workforce.

DESIGNERS & BUYERS TRACK

Return of the track! AFS announced the return of the Casting Designers & Buyers Track, presented by *Metal Casting Design & Purchasing* magazine, at CastExpo 2019, April 27-30, 2019, in Atlanta.

The Casting Designers & Buyers Track will consist of eight to 10 sessions that will provide finely targeted knowledge and insight to those who design, specify or purchase castings.

Sessions will be held in the theater section of The Hub, on the show floor, providing easy access to the Cast in North America section of CastExpo, which features exhibits by many of North America's leading metalcasters.

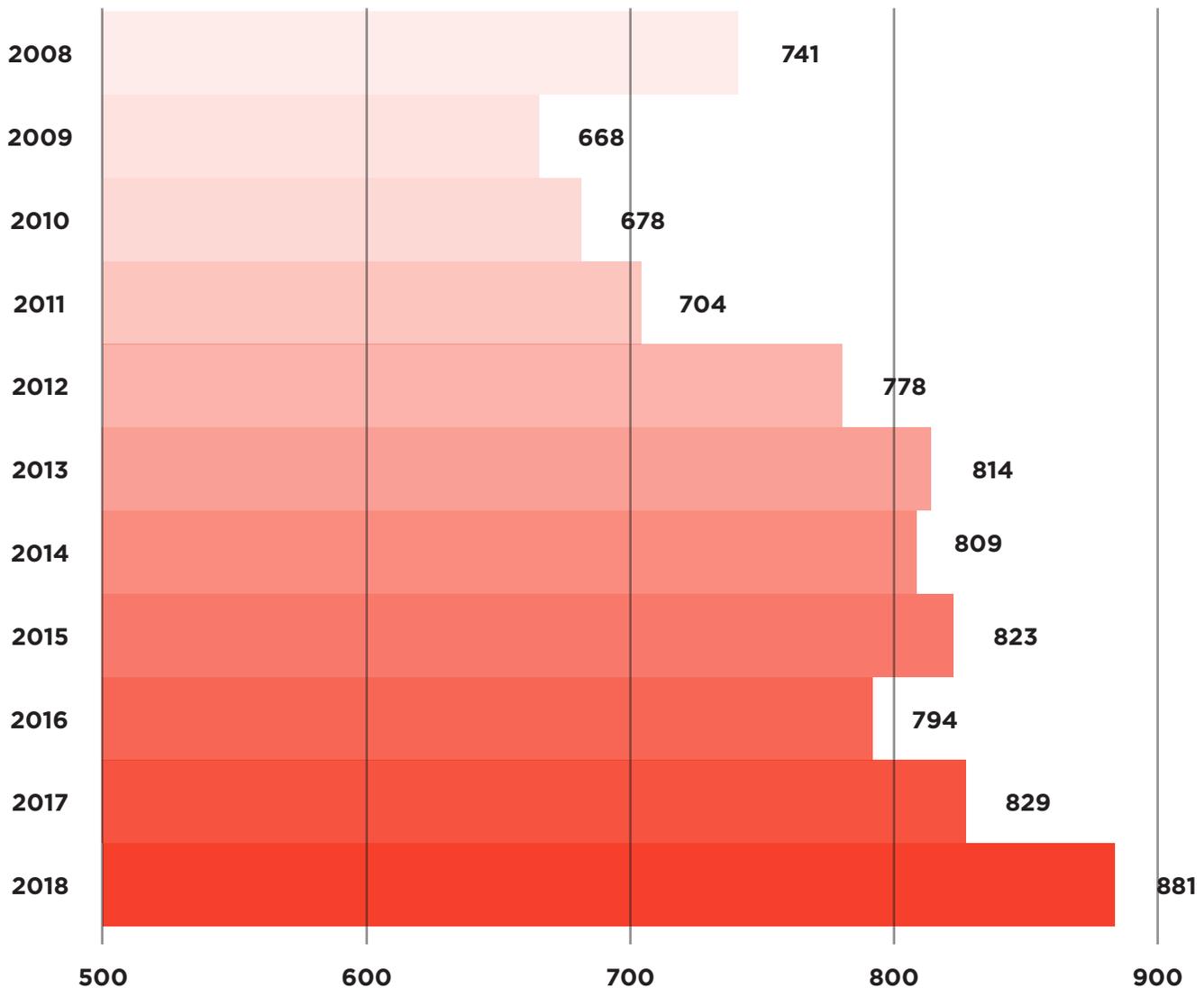
Topics include:

- Simulation for the Designer/Buyer
- Casting Design Best Practices
- Identifying Casting Sources
- Casting Conversions: A How-To Guide
- Introduction to Ductile Iron
- Casting Defect Avoidance Strategies
- Casting Success Case Studies
- Panel of Casting Purchasers Discussing Buyer Issues

Designers and buyers will be encouraged to "Bring Your Own Blueprint" to discuss with foundry representatives at the Cast in North America exhibits.

This track is presented by *Metal Casting Design & Purchasing* magazine, the premier North American print and digital vehicle for communicating with designers, specifiers and purchasers of metal castings of all types and processes.

TEN YEARS OF AFS CORPORATE MEMBERSHIPS



2017 - 2018 AFS & THE INSTITUTE FINANCIALS

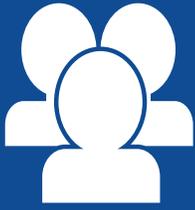


- Membership - 22.6%
- Magazines - 27.7%
- Publications - 2.1%
- Education - 8.1%
- Conferences - 7.6%
- Congress & Expositions - 13.4%
- Research - 9.2%
- Program Services - 1%
- Other - 8.2%



- Membership - 5.7%
- Magazines - 19%
- Publications - 4.2%
- Education - 8.4%
- Conferences - 5.2%
- Congress & Expositions - 7.3%
- Research - 6.1%
- Program Services - 20.4%
- Administrative - 23.6%

AFS FUN FACTS

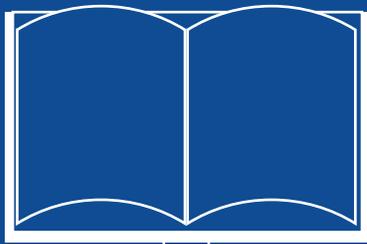
881 Corporate Members  **6,500** Individual Members

304 Products Offered in the AFS e-store 

CASTING CONNECTION

738 New Active Users

103,000+ Readers



7,018 Social Media Followers

1,000 Volunteers 

50 Committees 

78 Professional & Student Chapters

-&- **180** Unique Discussion Contributions Across All Communities

361 total posts created across all discussion boards

3,674 PEOPLE ATTENDED AFS technical education events (seminars, conferences, webinars and technical sessions at the Metalcasting Congress)

VISION STATEMENT

AFS will be recognized worldwide by industry stakeholders as the leading voice and resource on technical, management, and advocacy priorities pertaining to the metalcasting industry.

MISSION STATEMENT

The mission of the American Foundry Society is to advance the success of its members and the metalcasting industry through advocacy, education, and innovation.



Chapter Officer Conference attendees gather for a group photo outside AFS Headquarters.

MEMBER INVOLVEMENT

Member involvement is the AFS driving force. Because of dedicated members, attendance at the Foundry Leadership Conference increased for the third straight year, and Future Leaders of Metalcasting held its biggest meeting in years. Thank you!

At the 122nd Metalcasting Congress in Fort Worth, Texas, Women in Metalcasting presented the inaugural Women in Metalcasting Award for Excellence to AFS President Jean Bye for her exceptional leadership in the metalcasting industry.

This year, the AFS Volunteer Leadership Training Conference was rebranded as the Chapter Officers Conference.

Chapter leaders congregated at AFS Headquarters to explore the tools and resources available to them as well as best practices to succeed in their vital roles. Chapter leaders also received a monthly AFS Chapter Bulletin as part of AFS' commitment to the regional level. Additionally, Chapter-Success Story appears in the quarterly magazine Member Connections.

This year, AFS welcomed the newest student chapter from Youngtown State University. YSU joins 38 other colleges and universities throughout the U.S., Canada, and Mexico to host an AFS Student Chapter.

AFS STAFF

Doug Kurkul

Chief Executive Officer

ACCOUNTING & FINANCE

Peggy Mennella

Director of Accounting and Finance

Valerie Stramaglia

Accounting Manager

Nicole Bagnara

Accounting Associate

AFS INSTITUTE

Clarence Trowbridge

Vice President of Education and Workforce Development

Bo Wallace

Institute Course Coordinator

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