

Connections

NEWS AND INFORMATION FOR AFS MEMBERS AND CHAPTERS

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CastingConnection



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Jean Bye Elected President, First Woman To Lead AFS

Jean Bye was elected president of the American Foundry Society on April 5 at the 122nd Metalcasting Congress in Fort Worth, Texas, making her the first woman in AFS history to hold the office.

Bye is President and CEO of Dotson Iron Castings in Mankato, Minnesota. Previously the Vice President of the AFS Board of Directors, she succeeded President Patricio Gil, who is CEO of Blackhawk de Mexico (Santa Catarina, Nuevo León, Mexico).

"I look forward to working with AFS staff and the Board of Directors to continue to propel the society forward in technology, management, and workforce development with industry action," Bye said. "This is a critical time for the metalcasting industry to pull together and advance one another into a new era of innovation." Bye has been an AFS officer since 2016 and was a member of the AFS Directors Class of 2011 to 2015.

"The American Foundry Society welcomes Jean Bye as our incoming president," AFS CEO Doug Kurkul said. "She brings great dedication to the AFS mission of advocacy, education, and innovation, as well as a strong leadership background to her new role. We also give our heartfelt thanks to Patricio Gil for his steady leadership over the past year."

Also elected as board officers were Laempe Reich Director Peter C. Reich (vice president) and Michael L. Lenahan, Vice President of Sales for Fairmount Santrol (2nd vice president). Gil is Immediate Past President.

Bye delivered a keynote address April 3 at Metalcasting Congress titled "Disaster Recovery: Everyone's Worst Nightmare." The address was sponsored by the AFS Cast Iron Division and attended by nearly 500 people.



Jean Bye,
2018—2019 AFS President

Mobilize for Metalcasting at the AFS Government Affairs Fly-In in Washington D.C.

Metalcasting needs you to help advocate for our industry at the AFS Fly-In, May 15-16 in Washington, D.C.!

At the Fly-In, we will stand together as metalcasters to let our elected officials know the castings you produce are critical to the country's defense, infrastructure, automotive, oil and gas, construction and other industrial sectors.

"We're not just going to lawmakers and saying we wish this or can't you do that," said Brad Muller, a member of the AFS Board of Directors. "We back it up with the science and the technology and the feasibility of a lot of what they want to do."

The Fly-In is one of the most important events for metalcasters to attend. It is your chance to keep the momentum going as we work to keep metalcasting front and center on Capitol Hill with key federal officials.

"We have both great challenges and opportunities before us," said Mike Lenahan, Chair of AFS Government Affairs Committee. "We need you to help deliver our message. Please join us by making a difference for the industry we call our own."

All metalcasting firms are encouraged to send at least one representative for two days of policy briefings and visits with elected officials,

Continued on Page 5



MOBILIZE FOR METALCASTING

AFS
AND THE INSTITUTE

A Career Enriched by AFS Involvement

In one of my first conversations upon joining AFS, Board member Jim Frost (ACIPCO) explained the integral role of AFS, and the Foundry Educational Foundation, during his career, right back to his student days. Since then, fellow AFS Board member John Grahek (Clow Valve/McWane) and numerous other AFS members have shared a similar personal story.

At the recent Wisconsin Regional, I delivered a variation of that message in remarks to an audience that included mostly students and young professionals who are enthusiastically considering, planning or starting careers in metalcasting. At AFS, we call the message “A Career Enriched by AFS Involvement.”

In some cases, the earliest exposure to AFS messages, and to our industry, may come during an individual’s pre-college years, when

the student sees a Foundry-in-a-Box-type demonstration by an AFS chapter, or learns about metalcasting through Melting Point, an AFS publication/web site for students.

As the student proceeds to college, the connection to AFS and FEF will likely become stronger, with AFS student chapters, scholarships from AFS chapters and FEF, casting competition, and attendance at Metalcasting Congress as key touchpoints.

When an AFS student member graduates, it is important to transition smoothly into a career. AFS can play a major role. Graduates are eligible for a free first-year individual membership in AFS. Under the guidance of Technical Council Chair Kathy Hayrynen (Applied Process) and the Council, AFS is taking more assertive steps to ensure graduates

understand the value of this benefit, and get plugged into AFS early in their career.

One of the earliest connection-points after graduation might be chapter involvement at the local level or participating in a committee of interest. Or it might be involvement in Future Leaders in Metalcasting or Women in Metalcasting. Continuing education is important at this stage, and AFS Institute courses and e-learning can help new employees become more successful more rapidly.

The decades inevitably pass faster than any of us can anticipate, and along the way, there may be leadership opportunities, awards, service-life membership status, and other forms of involvement and recognition—each rewarding in its own way.

How can you assist in this endeavor? Help us deliver the message of “A Career Enriched by AFS Involvement” in your interactions with students and employees at all stages of their careers. The chart on page 15 of this edition of *Member Connections* provides a helpful summary of some of the key elements of career enrichment that come from AFS involvement.



2018-19 AFS Officers

President

Jean Bye, President and CEO,
Dotson Iron Castings

Vice President

Peter C. Reich, Director,
Laempe Reich

2nd Vice President

Michael L. Lenahan, Vice President -
Sales, Fairmount Santrol

Immediate Past President

Patricio Gil, CEO,
Blackhawk de Mexico

AFS Senior Staff Leaders

CEO

Doug Kurkul, dkurkul@afsinc.org

Vice President of Business & Development

Ben Yates, byates@afsinc.org

Vice President Marketing & Communications

Richard Jefferson,
rjefferson@afsinc.org

Vice President IT & Operations

Mike Lakas, mlakas@afsinc.org

Director of Finance & Accounting

Kris Drager, kdrager@afsinc.org

Director of Education

Shelly Dutler, sdutler@afsinc.org

Director of Human Resources & Administrative Services

Cathy Potts, cpotts@afsinc.org

AFS Hosts Human Resources Conference



Managers and supervisors gathered in Clearwater Beach, Florida, in February for the AFS Metalcasting Industry Human Resources Conference, an event designed specifically for metalcasters.

The conference, titled “Preparing for the Metalcasting Workplace of Tomorrow,” covered topics such as the future of performance management, employment laws, how to recruit and build an employer brand, creating a flexible work environment for shop floor employees, succession plans, and more. Among the attendees were HR professionals and metalcasters who fill that role in addition to managing other duties.

“The speakers provided in-depth insight, as well as actionable and practical tools on various topics that attendees could return to their organizations with and get started implementing,” said Cathy Potts, AFS Director of Human Resources &

Administrative Services. “The presence of all the participants helped to make this event a great success, and their enthusiasm and willingness to share their experiences helped to make the time together both productive and fun.”

Several awards for dedication and service to the AFS HR division were presented during the conference. Honored at Preparing for the Metalcasting Workplace of Tomorrow were:

Lodge Manufacturing Company, Outstanding Organization Award

- This award recognizes an organization for being a long-standing member and great supporter of AFS by attending and supporting a large number of AFS functions. Accepting on behalf of Lodge was Dave Shouse, Lodge Senior Vice President of Organizational Development. “The lead-

ership within Lodge Manufacturing Company has always been willing to provide great support and service to the industry in general,” Potts said.

Teresa Weber, Director of Human Resources, Atek Metal Technologies, Outstanding Individual Service Award

- This award recognizes outstanding achievements beyond the normal duties of the chair by bringing new and fresh ideas to the committee and to the AFS Metalcasting Industry Human Resources Conference. “Teresa always demonstrates very positive leadership and professionalism as the chair of the AFS Human Resources Division,” Potts said. “Teresa is also involved with Women in Metalcasting and serves as the vice chair of the AFS Management Council.”

AFS Library Now a Free Member Benefit

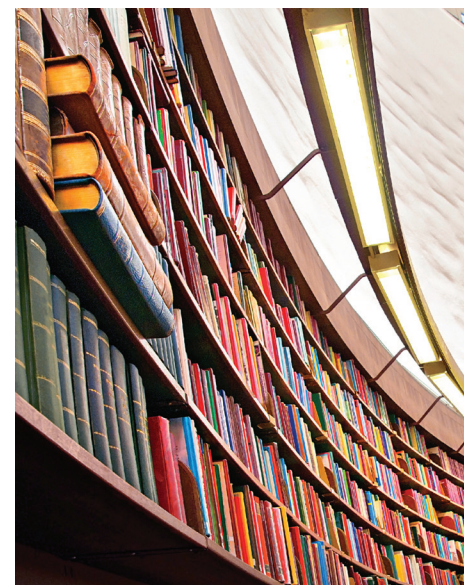
Several thousand searches of the world’s largest metalcasting technical library have taken place since AFS launched it as a member benefit this winter.

The AFS Technical Library contains more than 15,500 articles on research and development in the metalcasting industry. In January, it was made available for free to all AFS members, both Corporate and individual.

The library includes material from pub-

lications such as *Modern Casting*, *Metal Casting Design & Purchasing*, AFS Transactions and AFS conference proceedings. Articles date from 1896 to today, giving users access to the wisdom of some of the industry’s most renowned experts of the past and present. It provides world-class technical expertise and information to help foundries solve important technical issues and casting problems, and to improve quality and productivity.

The AFS Technical Library works on mobile devices and features a dynamic search function. To access the AFS Technical Library, login at afsinc.org and select “Online Library.”



EPA Policy Victory: ‘Once In, Always In’ Withdrawn

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

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.

“This guidance is based on a plain language reading of the statute that is in line with EPA’s guidance for other provisions of the Clean Air Act,” Bill

Wehrum, Assistant Administrator of EPA’s Office of Air and Radiation, said in a statement.

The “once in, always in” policy punished industry by keeping facilities under heavy regulation even if they made improvements. The policy change “will reduce the regulatory burden for industries and the states, while continuing to ensure stringent and effective controls on hazardous air pollutants,” Wehrum said.

Sen. John Barrasso (R-Wyoming), Chairman of the Senate Environment Committee, said in a statement: “Withdrawal of this policy means manufacturers, oil and gas operations, and other types of industrial facilities will have greater incentive to reduce emissions. Now these companies can help protect

the environment without wasting time and money on unnecessary red tape.”

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.

If any AFS member foundries are receiving continued enforcement from their state or regional EPA offices on this issue, please contact AFS’s Senior Environmental Health and Safety Technical Director, Juliette Garesché, at (847) 824-0181, ext. 224 or jgaresche@afsinc.org. To learn more about this change in EPA policy, please visit www.afsinc.org.

AFS Members Have Access to Silica Resources as a Member Benefit

As a benefit to AFS members, you have full access to a wide array of resources designed to guide you toward compliance with OSHA’s new, more restrictive, crystalline silica rule:

The AFS Silica Compliance Timeline describes all the elements of a compliant silica program and includes interactive resources.

PowerPoint presentations explain the silica program requirements, and each is followed with useful resources such as checklists, templates and OSHA required forms.

Monthly webinars are scheduled through July 2018, each hosted by industrial hygienists, engineers and panelists selected from foundries that have already met the new silica requirements. There is no one solution that will serve all foundries so come join the discussion. Questions are fielded during these live events.

Through AFS, you have representation to regulators since AFS serves as the liaison to OSHA, asking questions and getting answers. When the answers are made available to us, you’ll find them on our website.

The AFS online bookstore also has titles such as: Control of Silica Exposure in Foundries, Managing the Foundry Indoor Air Environment, and PPE Guide for Metalcasting Operations, which includes a chapter describing the options for respiratory protection equipment. AFS members receive discounts on books.

AFS members can log into Casting Connection to see the full Silica Compliance Timeline and supporting documents. The AFS webpage includes vital information on sampling, source control, recordkeeping and more. All visitors to the AFS website may access some silica information but membership is required for full access.



AFS Research: Moving the Industry Forward

AFS member dues help provide funding for breakthrough technologies and new processes that will help the metalcasting industry survive and thrive into the future.

Mike Buyarski; The Federal Metal Co, Bedford OH; Chair, AFS Research Board

The date for compliance with the new silica regulations is right around the corner, and AFS continues to assist foundries in developing the tools that will be needed to work toward compliance. As most AFS Corporate Members know, a portion of corporate dues are set aside for metalcasting research. This year, AFS has devoted a significant amount of this funding for research to develop new methods and materials to help foundries deal with the issue of silica dust exposure. Several research projects are addressing this issue, each coming at it from a slightly different perspective. The information below is a summary of how AFS has used your member dues to help fight this battle and move the industry toward compliance with these new regulations.

Validating Alternate

Non-Silica Materials

Among the compliance options to new regulations on silica dust, some metalcasters may choose to move away from silica sand entirely and use non-silica molding media in their casting process. AFS has funded two university-based projects that are aimed to test and characterize alternate non-silica molding media for use in clay-bonded green sand casting as a potential replacement for silica sand. Researchers are characterizing six different non-silica materials for potential use in green sand casting. Ceramic sands have been in use for

many years, but are still not common in sand casting and many questions still are unanswered about their potential as green sand replacements. Researchers are testing each material using standard green sand tests to ensure that the new materials will provide the needed compactability, permeability, mold hardness and other properties to make effective green sand molds that can produce quality castings. Research will also include:

- Iron casting trials to measure surface finish and casting quality
- Measuring breakdown of the media to quantify material loss, which will be important to minimize the cost of new sand additions.
- Sand reclamation procedures to strip the clay binder from sand grains and validate that the material can be returned to the core room for use in producing chemically bonded cores

Silica Dust Sampling

AFS has also funded research to develop an improved air sampling method for silica dust that can be used to help identify root causes of exposure. The new regulation will require a lot of on-going testing, and there is not a commercially available sampling instrument that can directly measure silica exposure in real time. In this project, investigators will combine existing testing technologies to develop and assemble a portable instrument, carried by individual workers, that is capable of measuring silica exposure. This has the potential to minimize the need for lab time to measure silica content in dust samples. A real-time test can assist in

determining root causes of silica dust and defining areas of concern in the foundry.

Powered Sweepers

AFS is also funding a research project to establish whether powered floor sweepers can be useful in reducing the overall exposure to silica dust. Under OSHA's new silica standard, dry sweeping is discouraged where it contributes to employee crystalline silica exposure. To be able to use dry sweeping, employers must demonstrate either that wet sweeping/ HEPA vacuuming are not feasible or that dry sweeping does not contribute to exposure. The goal of this research is to determine the effect on the overall silica exposure in the foundry when using powered floor sweepers and validate whether their use contributes or reduces overall exposure. AFS researchers are testing silica exposure in the foundry both before, during and after sweeping with several different commercially-available sweepers. Researchers are also testing sweepers that have been retrofitted with new features that have been developed to improve performance and minimize distribution of dust. If tests demonstrate that powered sweepers do not contribute to the exposure of silica dust, AFS will work with regulators to get sweepers approved for use under the new standards.

Each of these four programs has the potential to provide great benefit and new tools that will help foundries as they move toward silica compliance. This is another example of how AFS is delivering practical help for member foundries.

Mobilize for Metalcasting at the AFS Government Affairs AFS Fly-In in Washington D.C. (continued from page 1)

to stand together for pro-metalcasting public policies.

Along with other Washington insid-

ers, you will hear from keynote speaker Mike Allen, a veteran D.C. journalist with an insider's view on Washington. In his decades of experience, Allen was the chief White House correspondent for Politico, and is now the co-founder

and executive editor of Axios.

Make your voice heard by registering for the AFS Government Affairs Fly-In right now at afsinc.org/flyin.

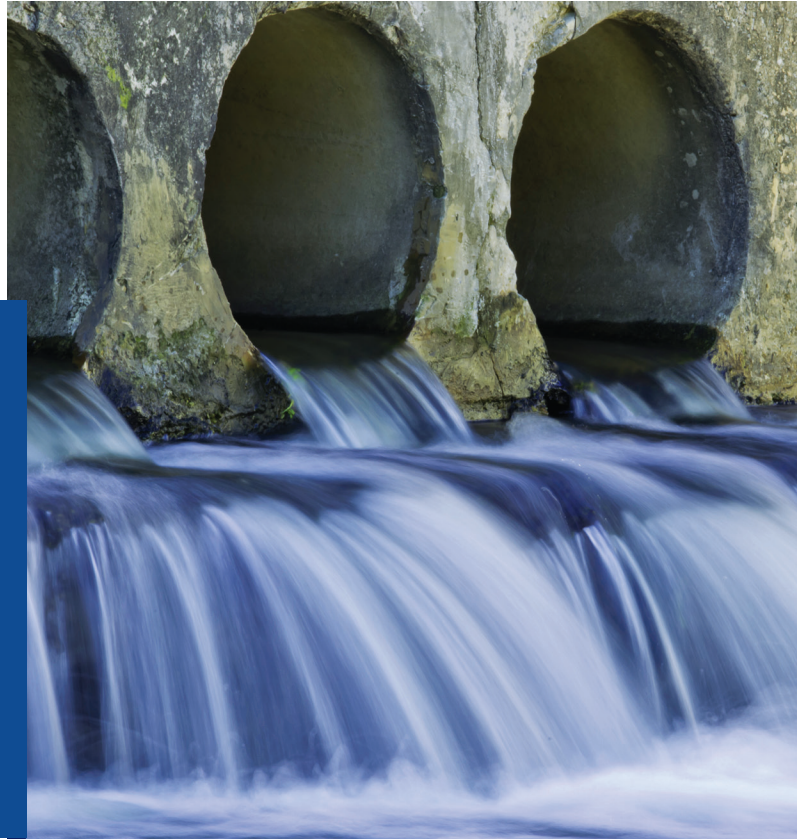
STORMWATER

Compliance Seminar 2018

May 8-9, 2018
Crowne Plaza Columbus
Downtown in Columbus, OH

Topics to be covered include:

- Fundamentals of the Clean Water Act
- **Stormwater** overview
- Identifying typical foundry pollutants
- **Stormwater** permitting
- State specific requirements
- How to develop a **Stormwater** Pollution Prevention Plan
- **Stormwater** sampling procedures
- **Stormwater** reference documents



Practical Cupola Operations Workshop

May 1-2, 2018
Comfort Suites Foxfire
Waupaca, Wisconsin

Practical Cupola Operations Workshop

Cupola issues have you charged up? Learn and discuss best practices for your cupola operation.

Among the topics to be covered:

- Basic Principles
- Charge Materials
- Refractory Systems
- Operation
- Preparing for Startup
- Tapping Out

Class includes a tour of **Waupaca Plants 1, 2, and 3.**

To register, visit
www.afsinc.org/practicalcupola

AFS Releases Spanish-Language e-Learning Modules

A total of 21 AFS Institute e-Learning modules are now available in Spanish, making it easier than ever to onboard and support the continuing education efforts of Spanish-speaking metalcasters.

E-Learning modules are online, skills-based instructional programs covering everything from metalcasting basics to specific processes and materials. They're interactive, cost-effective, and on-demand, making them perfect for busy schedules.

The Institute launched Spanish e-Learning in November 2017 with translations of three of its most popular modules. Since then, 18 more Spanish-language modules have been added to the lineup. The Spanish catalog includes:



Introduction to Metalcasting:

- Big Picture of the Casting Process (Panorama General del Proceso de Fundición)

Casting Defect Analysis:

- Introduction to Casting Defect Analysis (Introducción al Análisis de Defectos de Fundición)
- Gas Related Defects (Defectos Relacionados con el Gas)
- Oxide Related Defects (Defectos Relacionados con el Óxido)
- Sand Related Defects (Defectos Relacionados con la Arena)
- Shrink Related Defects (Defectos Relacionados con la Contracción)
- Casting Defect Analysis Practice and Conclusion (Práctica para el Análisis de Defectos en Piezas y Conclusión)

Cast Iron:

- Introduction to Cast Iron (Introducción al Hierro Fundido)
- Introduction to Cast Iron Microstructure (Introducción a la Microestructura del Hierro Fundido)
- Six Families of Cast Iron (Las Seis Familias de Hierro Fundido)
- Elements in Cast Iron (Elementos en el Hierro Fundido)
- Introduction to Cast Iron Melting (Introducción a la Fusión de Hierro Fundido)
- Basic Melt Practices for Cast Iron (Prácticas Básicas de Fusión para Hierro)
- Introduction to Cast Iron Heat Treatments (Introducción a los Tratamientos Térmicos de Fundición de Hierro)

- Cast Iron Defects: Solidification Shrinkage in Gray Cast Iron (Defectos en el Hierro Fundido: Contracción por Solidificación en Hierro Gris)

Green Sand:

- Green Sand Raw Materials (Materias Primas de Arena Verde)
- Green Sand Preparation and Quality Control (Preparación de Arena Verde y Control de Calidad)
- Green Sand Molding Equipment (Equipo de Moldeo de Arena Verde)
- Green Sand Molding Process (Proceso de Moldeo de Arena Verde)
- Green Sand Compaction (Compacción de Arena Verde)
- Introduction to Green Sand Defects (Introducción a los Defectos de la Arena Verde)

In all, the AFS Institute offers more than 90 e-Learning modules.

To schedule a free e-Learning demo, please contact Neal Bender, AFS Business Development Specialist, at nbender@afsinc.org or 800-537-4237 ext. 213. To see all the e-Learning modules available, please visit the AFS Store at afsinc.org.



AFS CEO Visits Members in Alabama

AFS CEO Doug Kurkul visited Laempe Reich in Alabama while attending the AFS Environment Safety and Health Conference. He is shown here with AFS Vice President Peter Reich and Patti Buksa of Laempe Reich. Kurkul also toured ACIPCO during the trip with AFS Board member Jim Frost.



April 3-5, 2018 Fort Worth, Texas

METALCASTING CONGRESS



Past President Patricio Gill passes the torch to President Jean Bye.

Global metalcasters from North America and other markets had positive responses to the 122nd Metalcasting Congress, April 3-5, Fort Worth, Texas.

Exhibitors reported good booth traffic on the floor. Congress featured plenty of opportunities for metalcasters to learn and make new connections, with a big slate of speeches, technical and management sessions, networking events and exhibits.

Highlights from Congress include compelling keynote presentations from Jean Bye, the new AFS president and the first woman to hold that office; Dan Oman, EHS expert; and Stephen Moore, Trump campaign senior economic adviser.

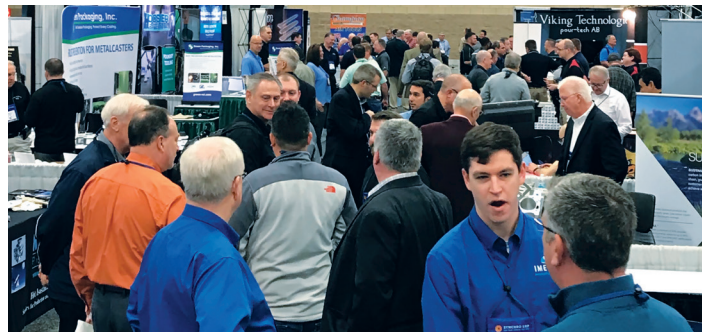
Bye, president and CEO of Dotson Iron Castings in Mankato, Minnesota, detailed how Dotson workers unified for a significant team effort after a devastating fire at the foundry and began pouring again on schedule. Her PowerPoint is available

at www.afsinc.org.

Oman, vice president at Haley & Aldrich, Ann Arbor, Michigan, discussed changing perceptions of the metalcasting industry in his Hoyt memorial Lecture. Oman provided wonderful insights for promoting a positive image of the metalcasting industry.

Moore, a CNN commentator and Distinguished Visiting Fellow for the Project for Economic Growth at the Heritage Foundation, briefed the audience on his optimistic view of American industry and the wider U.S. economy. Moore's PowerPoint is also available for review at the AFS website.

On the show floor, suppliers were joined by foundries in the Cast in North America area, while conference rooms were filled—sometimes to standing-room-only capacity—for technical presentations, business and marketing courses, events aimed at students, and more.



The exhibit hall floor bustles.



Left: New AFS President Jean Bye speaks at her Tuesday morning keynote about disaster recovery.

Middle: Dan Oman speaks at the Hoyt lecture on changing the perspective on the metalcasting industry.

Right: Stephen Moore gives his Thursday keynote speech on the current economic and political situation in Washington.

AFS Presents Industry Awards at Metalcasting Congress

The American Foundry Society recognized leaders and luminaries in the field of metalcasting during the 122nd Metalcasting Congress, April 3-5 in Fort Worth, Texas.

The AFS Board of Awards presented the metalcasting industry's top honor, the Gold Medal Awards, to John R. Keough, P.E., and David V. Neff, Ph.D.

Keough, proprietor of Joyworks LLC (Ann Arbor, Michigan), was awarded the Thomas W. Pangborn Gold Medal "for pioneering efforts in the advancement of the marketing of metal castings through the education of current and future customers."

Neff, formerly the technical manager and director of management for Metallux Systems (Cleveland, Ohio) before his retirement, won the John A. Penton Gold Medal "for his technical contributions to the metalcasting industry especially in the areas of research, publications, presentations and technical education."

The AFS Award of Scientific Merit was presented to Robin D. Foley, Ph.D. Foley is an associate professor of materials science and engineering at the University of Alabama at Birmingham. This award recognizes "service to the metalcasting industry through research, process investigation, metal properties exploration and foundry education."

Three AFS Service Citations were presented during Metalcasting Congress.

Kathy L. Hayrynen, Ph.D., won an AFS Service Citation "for service to the metalcasting industry through leadership roles in various industry activities on the national and chapter levels, for educating the industry on the capabilities of cast iron and its viability, and for supporting the next generation of metalcasting professionals." Hayrynen is vice president of research and development at Applied Process, Inc. (Livonia, Michigan).

Ed Marczyszak was presented with an AFS Service Citation "for his leadership and dedication to the local New England Chapter and tireless support of the American Foundry Society to advance education in the metalcasting industry." Marczyszak is a plant manager at Burndy LLC (Bethel, Connecticut).

Brad Steinkamp was awarded an AFS Service Citation "for continuous support and leadership of a thriving Cast Iron Division and his mentorship to new committee members." Steinkamp is technical manager of Charter Dura-Bar (Woodstock, Illinois).

In addition to individuals, businesses also were recognized for their achievements in the field of metalcasting.

AFS Corporate Contribution Awards were presented to Tom Riordan, president and CEO of Neenah Foundry, Neenah,



The crowd focused on President Jean Bye's Keynote presentation.

Wisconsin; and Steve Sikorski, president of Magma Foundry Technologies, Schaumburg, Illinois. These awards recognize companies that "contribute a significant amount of their employees' time and resources back to the Society through involvement in the AFS technical committee structure, the Institute and local chapters."

The AFS Millionaires Safety Award, which recognizes AFS Corporate members for achieving a million or more safe-hours worked without incurring a lost time injury or illness during the calendar year, were presented to:

- Anvil International (Columbia, Pennsylvania): 3 million safe-hours
- MetalTek International–Wisconsin Centrifugal Division (Waukesha, Wisconsin): 2 million safe-hours
- Oil City Iron Works, Inc. (Corsicana, Texas): 2 million safe-hours
- AAM – Castings, Brewton Manufacturing Facility (Brewton, Alabama): 1 million safe-hours
- AAM – Castings, Columbiana (Columbiana, Alabama): 1 million safe-hours
- AAM – Castings, Ductile Iron Castings (New Castle, Indiana): 1 million safe-hours
- AAM – Castings, Iron Mountain (Kingsford, Michigan): 1 million safe-hours

The prestigious Casting of the Year Award, presented by the AFS Marketing Division and Metal Casting Design & Purchasing magazine, was presented to Oliver Johnson, president of TEI of Livonia, Michigan, for its cyclotron motorcycle swingarm.

The American Foundry Society is a dynamic technical and advocacy organization that serves and represents the \$33 billion metalcasting industry. AFS is the only association serving the entire industry, including all metals and processes, with a three-part focus on advocacy, education, and innovation. AFS also publishes Modern Casting and Metal Casting Design & Purchasing magazines and presents Metalcasting Congress and CastExpo, the largest metalcasting trade events in North America. Founded in 1896, the organization is based in Schaumburg, Illinois, with an advocacy office in Washington, D.C. More information is available at afsinc.org.



The AFS Corporate Member Advantage

Business Intelligence and Technical Resources

Value

- Annual Economic Forecast – Free to Corporate Members \$1,000
- Technical & Management Webinars – Free to Corporate Members \$250 each
- World Foundry Organization Annual Census – Free to Corporate Members Priceless
- Wage & Benefit Survey – Free to Participating Corporate Members \$700
- Member Connections \$40
- International Journal of Metalcasting \$199

Savings

Value

- Trade Show Exhibit Discounts \$ Hundreds
- In-Plant Training Discounts \$2,000 to \$4,000
- Books on Metalcasting 50% Discount
- Metalcasting Classroom Course Discounts \$200/Student
- Energy, Logistics, Casting Design & Insurance Savings \$ Hundreds/Month

Exclusive Benefit

Value

- E-Learning Company – Wide Subscriptions – Corporate Members Only Priceless
- Event Sponsorships – Corporate Members Only Great Visibility
- Referrals & Use of AFS Logo Leads & Credibility

Sustainability for Your Company

Value

- Advocacy – Business Climate \$ 1 Million +
 - o Regulator Overreach
 - o Fair Trade Policy
 - o Infrastructure Investment
 - o Pro-manufacturing workforce development
- Developing Leaders and Employees Priceless
 - o Student Chapters, Metalcasting Demonstrations for Students
 - o Melting Point Website & Magazine for Young People
 - o Future Leaders in Metalcasting
- Research – 8% of Corporate Dues – Corp. Members Get First Access Priceless

For more information, contact Ben Yates at
800-537-4237 or byates@afsinc.org.

AFS Welcomes 22 New Corporate Members



Alpha Foundry Co.



Amsted Rail



Atlas Copco Tools & Assembly Systems LLC



Black Cat Wear Parts



Blastec Inc.



Brokk Inc.



Chesapeake Specialty Products



GE Additive



Hayakawa USA Corp.



Hi-Vac



HS Group HR Inc.



Morris Bean & Co.



Northern Iron & Machine



Oshkosh Corporation



P&W Foundry Inc.



Powercast Mfg Inc.



Production Pattern & Foundry Co.



ProfitGuard LLC



REFCOTEC Inc.



Setco Automotive



Swerea SWECAST



Tennetek Inc.



AFS Chapter Directory and Updates

AFS provides the means for you to network with local metalcasters. Reach out to a chapter leader and get involved today.

United States

Alabama

Birmingham District

jon.pollard@tylerunion.com

J. Pollard

The 85th Southeast Regional Conference was hosted by the Birmingham Chapter March 7-8, Point Clear, Alabama.

California

Southern California

jason@smccast.com

J. Gutierrez

In March, the Southern California Chapter held it's Vendors Night along with NADCA.

Northern California

albert@genfoundry.com

A. Gonzalez

Connecticut

New England

emarczyszak@burndy.com

E. Marczyszak

Georgia

Piedmont

jmclimans@hicwilco.com

J. McLimans

Illinois

Stateline

dick.haun@gunite.com

D. Haun

The Stateline Chapter is holding a golf outing this June in Poplar Grove, Illinois.

Chicago

nmerens@nmmarketingbiz.com

N. Merens

Kim Carter and Juliette Garasché presented on OSHA's silica rule at the March Chicago Chapter meeting held at AFS HQ.

Central Illinois

dusheke_ryan_a@cat.com

R. Dusheke

Indiana

Central Indiana

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A. Torok

Northern Indiana

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L. Agness

The Northern Indiana Chapter is hosting a Spring Event, June 1, at a South Bend Cubs game.

Iowa

Hawkeye

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K. Boss

The Iowa Chapter hosted it's March meeting in Waterloo, Iowa.

Kansas

Plain States

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S. Sprueill

Michigan

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D. Trahan

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R. Chase

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D. Goettsch

Saginaw Valley

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J. Lancaster

Minnesota

Twin Cities

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J. Kranz

The Twin Cities Chapter held a casting buyer's panel discussion at a February meeting.

Missouri

St. Louis

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D. Imrie

Mo Kan

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V. Brock

New York

Central New York

john.lisi@itt.com

J. Lisi

Ohio

Central Ohio

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E. Weiffenbach

In March, the Central Ohio Chapter held a Mini Melt Seminar in Hilliard, Ohio.

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P. Snyder

Stephanie Salmon, AFS Washington Office, will present a Washington Update at the May 10 PFA-Penn State Metal Casting Conference in Boalsburg, Pennsylvania.

Chesapeake

scook@tbwoods.com

S. Cook

In February, the Chesapeake Chapter held the Annual Shrimp, Bull & Oyster feast in Baltimore, Maryland.

Tennessee

Tennessee

Jason.bush@waupacafoundry.com

J. Bush

Texas

Texas

shodges@canfieldjoseph.com

S. Hodges

The Texas Chapter held its first meeting of 2018 at the Sam Houston Race Park in Houston, Texas.

Utah

Utah

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R. Larson

Washington

Washington

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S. Morel

Wisconsin

Wisconsin

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R. Yrigoyen

The Wisconsin Chapter, along with the Stateline Chapter and Northeastern Wisconsin Chapter hosted the 80th Wisconsin Regional, Feb. 14-16, Milwaukee.

Northeastern Wisconsin

chad@dpfoundry.com

C. Moder

Mexico

North Mexico

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R. Mailhot

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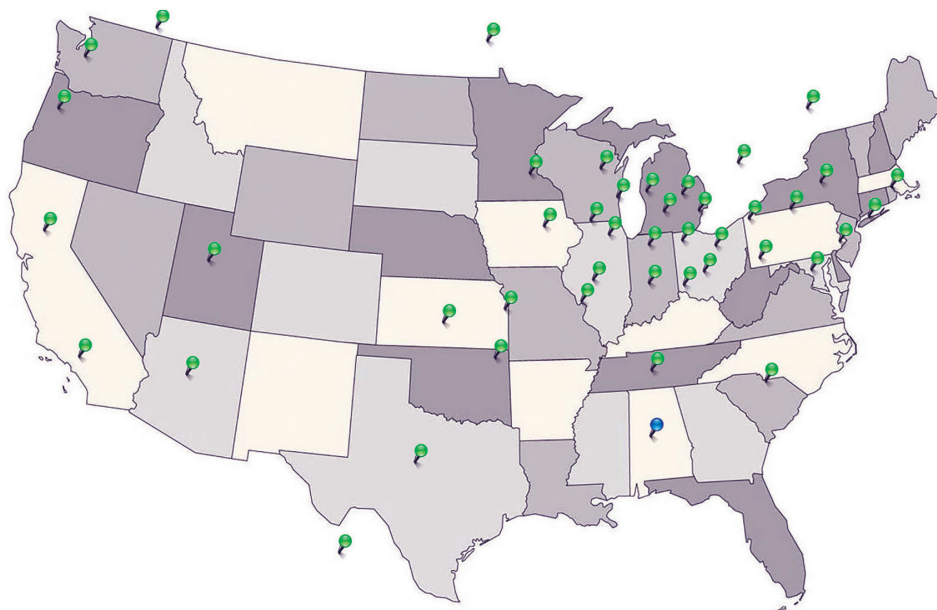
N. McCain

In March, AFS VP of Business Development Ben Yates gave a presentation at the Ontario Chapter meeting.

British Columbia

cchamberlain@oclim.com

C. Chamberlain



Getting involved in AFS Chapters makes all the difference.

Chapters are your opportunity to engage locally with the next generation of metalcasters. You will also have the opportunity to develop your own expertise and advance your career. Participating in AFS Chapters is your chance to do all this and more.

Chapter Success Story: AFS Saginaw Valley Chapter Inspires Next Generation of Metalcasters with Hands-on Demonstration

The AFS Saginaw Valley Chapter has a goal of developing the next generation of metalcasters through education. With the aid of volunteers, the Michigan-based chapter has helped spread awareness of what metalcasting is and the number of diverse careers within the industry.

"We do two to three events a month. Mostly schools," said Brian Smith, Saginaw Valley Chapter member and organizer of metalcasting demonstration events.

For the Saginaw Valley Chapter, conducting a metalcasting demonstration is an opportunity to educate the next generation about careers in the industry. During each metalcasting demonstration, the chapter uses "A Career Enriched by AFS Involvement" poster to illustrate how rewarding a metalcasting career in partnership with an AFS membership can be.

Since October 2013, the Saginaw Valley Chapter has held over 80 events. That's nearly 32,000 students the chapter has helped introduce to metalcasting.

"We only ask parents to volunteer when we're in the classrooms and for donations to buy more tin," said Smith.

On Jan. 17, fourth and fifth-grade

students at Havens Elementary in Saginaw, Michigan, were treated to a metalcasting demonstration.

"Our students loved learning about metalcasting!" said Havens Elementary fourth-grade teacher Lauren White. "Many students had very little prior knowledge about the topic before the presentation, so they were eager to learn about the metalcasting process."

Participants watched with fascination as volunteers poured molten tin into molds hand-picked by each student. Once the tin cooled and was extracted from the sand, volunteers trimmed away excess metal before handing them off. Each student got to take home their new token of a fun day spent learning about metalcasting.

The metalcasting demonstration was a large educational success as students were enthralled with the Saginaw Valley Chapter's presentation. Chapter members spoke on the importance of the \$33 billion metalcasting industry and how so many of our everyday items come from foundries.

"In social studies, all fourth-grade classes had just been learning about how Michigan's location and natural resources influenced its economic development," said White. "Saginaw



Valley Chapter members were able to share about this concept when presenting to students."

The Saginaw Valley Chapter's progress in educating the next generation has inspired others to take on the same commitment. With the help of Saginaw Valley, the AFS Detroit/Windsor Chapter has begun hosting metalcasting demonstrations for students as well. The chapter is conducting a metalcasting demonstration at the annual Maker Girl Mania STEM Festival in April.

The Saginaw Valley Chapter's strong commitment to supporting the next generation of metalcasters through education is helping grow the industry. With the success of the Havens Elementary event, the chapter has left a positive impression of metalcasting on both students and educators.

"I would highly encourage other schools to get involved with their local AFS chapters. This was such an amazing opportunity for students to learn something new from experts who live in their own community," said White. "Overall, working with our local AFS chapter was incredible and we plan to bring this program back for students each year."



A CAREER ENRICHED BY AFS INVOLVEMENT

A career in metalcasting can be extraordinarily rewarding. AFS plays a pivotal role in enriching metalcasting careers at every stage.

PRE-COLLEGE

- Foundry in a Box Demonstrations
- Melting Point, Website and Magazine

COLLEGE

- AFS and FEF Scholarships
- Student Chapters
- FEF Industry Night
- Student Casting Competition
- Student Attendance at Metalcasting Congress
- Joint FEF-AFS Letter to Graduates

CAREER

- Free First-Year AFS Membership
- Best Practices
- Future Leaders in Metalcasting
- Women in Metalcasting
- Publications
- Library Resources
- AFS Institute Courses & e-Learning
- Committee Involvement
- Technical & Management Conferences
- Regional Chapter Meetings
- Committee and Chapter Leadership
- New Technology Development and Research
- Case Study Applications
- Casting Connections Online Peer Network
- Industry Updates Through Member Connections
- Advocacy at AFS Fly-In
- Innovation/Technology at CastExpo & Congress
- AFS Awards
- Service Life Membership





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Upcoming AFS Events

We may be in your area – checkout Upcoming AFS Events below.

May 1-2 | **Practical Cupola Operation Workshop** | *Waupaca, WI*

May 8-9 | **AFS Stormwater Compliance Seminar** | *Columbus, OH*

May 15-16 | **AFS Government Affairs Fly-In** | *Washington, D.C.*

August 13-14 | **AFS Volunteer Leadership Training Conference** | *AFS/Schaumburg, IL*

August 20-21 | **AFS Cast Iron Inoculation Conference** | *Louisville, KY*

Upcoming Institute Courses

May 2-3 | **Casting Defect Analysis** | *AFS/Schaumburg, IL*

May 8-10 | **Foundry Process Improvement** | *Chattanooga, TN*

May 16-17 | **Design & Optimization for 3D Sand Printing** | *Waterloo, IA*

June 6-7 | **Casting Supplier Auditing** | *St. Paul, MN*

June 12-13 | **Gating & Riser Design 101** | *AFS/Schaumburg, IL*

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For more information on upcoming courses and events, visit www.afsinc.org/events.

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