

New Casting Source serves today's market

Metal Casting Design & Purchasing to be relaunched with added resources

Advancing technology is changing metalcasting, and the need to build bridges to new customers and maintain contact with existing ones requires constant attention.

Unlike some communication channels, print becomes increasingly effective with repeated exposures. "The right hard copy magazine is more like a conversation with audience segments like designers and purchasers of metal castings," said Rich Jefferson, VP of Marketing & Communications at AFS.

"That's why *Metal Casting Design & Purchasing* is being relaunched in November as *Casting Source* magazine. It's time to refresh the conversation with designers and buyers."

AFS' new magazine for casting designers and buyers features articles on casting capabilities, conversions, research and development, supply chain management and related topics. *Casting Source* will reach the same audience as *Metal Casting Design & Purchasing*, but it's being updated to target even more readers and give advertisers the maximum opportunity to meet their goals.

The magazine will feature a new design, new columns and articles, and more content from contributing authors who work in the industry. The new name reflects the magazine's goal to be the leading resource for end-users who seek high-quality, cost-effective castings. *Casting Source* will continue to show readers the benefits of metalcasting and how they can connect with quality

FOLLOW CASTING SOURCE

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The new *Casting Source* will debut with the November/December issue.

Please see **CASTING SOURCE** on Page 3

Boost your problem-solving skills at Management & Development Summit

How do you leverage competing values in your company's culture? How do you boost your problem-solving

skills? These are a few of the issues that will be tackled at the 2020 Metalcasting Management & Development Summit,

Feb. 6-7 in New Orleans.

All levels of management, from supervisors to HR professionals, can benefit from this summit organized by the AFS HR Division. Attendees will leave

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Casting Connection



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American Foundry Society



Join the discussion at
Foundry and Diecaster Network



Follow us on Twitter
@AmerFoundrySoc

Technical expertise as a member benefit

Access to technical expertise is one of the most valuable benefits of American Foundry Society (AFS) membership. There are several ways for AFS members to tap into this base of metalcasting knowledge.

Contact AFS Staff with Everyday Challenges. The AFS Technical Services team includes Steve Robison, Frank Headington, Tom Doré and Bo Wallace, who between them have more than 90 years of experience in foundries, technical societies and metalcasting academic programs. The team also includes Juliette Garesché, who has a similarly extensive background in environmental, health and safety matters; as well as Kim Perna, who can help steer your requests to help you get the most benefit from your membership.

Not a week goes by that the AFS team is not helping AFS members resolve issues related to casting design, molding, pouring, finishing, defect analysis and elimination, as well as other foundry matters. The AFS Technical Services team will provide prompt, confidential technical counsel. If they don't have immediate access to the information you need, they will help you find it in the AFS Library or point you toward the right experts and resources. This is a benefit that is exclusive only to members of AFS. They can be reached by calling 847-824-0181.

Ask a Question, Answer a Question. Sometimes, you might appreciate hearing a variety of different persons' takes on your challenge. AFS Casting Connection is a digital communications network in which AFS members pose questions for other members to answer. As one AFS member from Minnesota recently noted, "I would like to thank everyone who responded to my question...I got a lot of good information."

The AFS membership comprises thousands of foundry employees, suppliers, and customers. The wealth of expertise is phenomenal, and AFS Casting Connection is one of the best ways to tap into that base of knowledge. You may

also enjoy responding to other members' questions.

AFS Technical Library. With more than 15,000 books and articles, the AFS Technical Library is one of the world's finest collections of metalcasting knowledge. In 2018, AFS modernized the library software to make it much easier to search for, and download, the articles most relevant to your interests. You can also be notified when new articles are added.

AFS also made this a free member benefit – no more per-article fees and no monthly limits on the number of articles. The software is exceptionally easy to use, but if you need assistance, don't hesitate to let Bo Wallace of the AFS team know.

IJMC. *The International Journal of Metalcasting (IJMC)*, edited by Thomas Prucha, is dedicated to the transfer of research and technology for the global casting industry. It has been named the Official Research Journal of AFS and the World Foundry Organization (WFO). In July 2019, it was announced that *IJMC's*

Impact Factor increased by 25 percent. The Impact Factor is a widely used measure that communicates how often a journal is cited by other authors.

All AFS Corporate Members receive a copy of *IJMC*. Others may purchase *IJMC* from Springer Nature Publications by visiting springer.com/journal/40962.

Committee Membership. Serving on an AFS technical committee provides access to incredible metalcasting knowledge and a chance to apply one's own knowledge in fascinating ways. All technical committees are accepting new members. Contact Kim Perna at kperna@afsinc.org to join the committee of your choice.

AFS Bookstore. AFS offers a broad variety of metalcasting titles that cover the challenges that arise in your foundry. Also, the 2019 edition of *AFS Transactions* is now available, containing all of the papers presented at CastExpo 2019 in Atlanta.

Technical Conferences. Each year, AFS hosts several technical conferences and workshops, where some of North America's top experts – often AFS members – share papers and expertise. Visit AFSinc.org/Conferences to see the list of upcoming conferences. Moreover, don't forget to register early for Metalcasting Congress, April 21-23, 2020, in Cleveland.

International Technical Leadership. AFS advances the metalcasting industry on a global basis. For example, AFS was involved in the drafting of ISO 185:2019, which specifies the properties of unalloyed and low-alloyed gray cast irons used for castings that have been manufactured in sand molds or in molds with comparable thermal behavior. Dick Gast represented AFS in these deliberations.

Similarly, Denny Dotson represents AFS on the Executive Committee of the World Foundry Organization (WFO). The WFO is planning to hold its next World Foundry Summit in New York City on May 19-20, 2020. Speakers will include entrepreneur Dean Kamen.

AFS members and staff have represented the Society at global foundry events in Mexico, Italy, Poland, Spain, Slovenia and Taiwan over the past 15 months. This activity helps to encourage the flow of technical information and reinforces the AFS brand as a leading global authority for the industry.

Keeping these technical resources top of mind will help you achieve your company's best performance in the months to come.

"The AFS Technical Services team will provide prompt, confidential technical counsel."



AFS, members open doors on Manufacturing Day

More than 20 AFS Corporate Members and AFS HQ opened their doors Oct. 4 for Manufacturing Day to share the positive message of metalcasting.

The event was part of an annual celebration by manufacturers to show the public their importance to the economy and address common misconceptions about manufacturing. Companies are encouraged to welcome visitors and show what they

"It gives them an opportunity to experience it hands-on, as well as see there is a whole section of careers and jobs available for them through things like this."

make, the technologies they use, and the promising career paths available. Many of the visitors are students and teachers from local schools.

"Manufacturing is essential to the American economy, and this is the one day each year that we open up the doors of manufacturing facilities and trade associations and let young people find out what the industry is all about," said Doug Kurkul, CEO of AFS. "When they understand, that's good for the future of our country."

At AFS headquarters in Schaumburg, Illinois, about 150 students came for hands-on demonstrations in which they made and poured their own castings. Students had the choice to make sand molds with a flask and

pattern or scratch out their own design into 3D printed molds donated by the University of Northern Iowa. Representatives from area AFS Corporate Member companies, Hunter Foundry Machinery Corp. and Magma Foundry

Technologies, discussed the science and engineering involved in metalcasting.

"This gives (the students) a very unique opportunity to explore different manufacturing methods. Additive manufacturing, 3D printing – it's not really something we have an opportunity to do in our classroom," said Eric Dieterich, manufacturing teacher at John Hersey High School (Arlington Heights, Illinois). "It gives them an opportunity to experience it hands-on, as well as see there is a whole section of ca-



A student makes his own scratch mold at AFS HQ on Oct. 4 as part of Manufacturing Day.

Are you planning a Manufacturing Day celebration or a similar event? Check online for resources: AFSinc.org/manufacturing-day

reers and jobs available for them through things like this. It's a great opportunity for them to have fun, make stuff, as well as explore potential careers."

New to Casting Source

- **Know Your Supplier**, highlighting facts, figures, and capabilities of different North American foundries.
- **Before & After**, showcasing successful casting conversions.
- **Sourcing Strategies**, a Q&A with supply chain leaders about ways to build and maintain a healthy pool of

- casting sources to get parts from concept to market.
- **Next Gen**, a discussion with young employees about why they've chosen to work in this field and what they've learned so far.
- **Designer Sketchbook**, featuring casting design principles presented in an easy-to-understand format.

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North American foundries for their parts needs.

Like *Metal Casting Design & Purchasing*, *Casting Source* will be printed every other month, six times a year, and be delivered by mail and email. AFS will continue to publish the well-known and well-used *Casting Source Directory* in the summer.

Current subscribers to *Metal Casting Design & Purchasing* will continue to receive *Casting Source* without interruption. To sign up for a free subscription or to send one to a client, visit **CastingSource.com**. For editorial information, email Managing Editor Shannon Wetzel at swetzel@afsinc.org. For advertising, contact Advertising Sales Manager David Kathe at dkathe@afsinc.org.

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with immediately actionable items that can be applied to the workplace, with a focus on specific management and HR issues that are unique to metalcasting facilities.

The Metalcasting Management & Development Summit includes roundtables and interactive workshops. Attendees will learn how to lead on issues ranging from emergency preparedness to employee mental health. Speakers include Kevin Mays, CEO of MAYS Leadership; Tiffany Huth of the Association for Behavioral Health and Wellness; attorney Mitch Quick of Michael Best Law Firm; Beth Inbau, president and CEO of Metropolitan Safety Council Inc.; Dr. Scott Morrell, founder and president of Rebar Leadership; and AFS Washing-



ton representative Stephanie Salmon.

For a full agenda or to register, visit **AFSinc.org/conferences**.

METALCASTING MANAGEMENT & DEVELOPMENT SUMMIT

**Feb. 6-7, 2020
New Orleans, Louisiana
To register, visit www.afsinc.org/conferences.**

AFS comments on powered industrial truck regs

As part of the Occupational Safety and Health Administration's process to determine whether to initiate rulemaking to revise its powered industrial trucks standards for general, maritime, and construction industries, the American Foundry Society submitted comments.

OSHA's current regulations are "based on industry consensus standards from 1969," the agency said in a press release.

In a letter to OSHA, AFS said powered industrial trucks, which include forklifts, are frequently used by metalcasters. AFS suggested OSHA should more clearly define what is covered by the agency's powered industrial truck regulation, that training requirements for operators be more flexible to fit the needs of different industries, and that new regulations should consider autonomous technology, among other comments. AFS also

provided the agency with information about metalcasting and the use of such equipment across the industry.

The AFS Safety Committee helped compile the comments delivered to OSHA. According to Regulations.gov, OSHA received 61 responses to its Request for Information. The agency is in the process of reviewing the comments they received and will decide if they plan to move forward on a formal rulemaking.

AFS STUDENT CHAPTERS

Georgia Southern establishes new Student Chapter

Georgia Southern University (Statesboro, Georgia) became the most recent school to start an AFS Student Chapter

when the Board of Directors approved the university's application on Aug. 15.

Georgia Southern University is the 40th college or university to host its own chapter. Dr.



Mingzhi Xu is the chapter's faculty advisor.

AFS Student Chapters operate on campuses throughout North America. Run by students under the guidance of faculty and industrial advisors and supported by AFS, Student Chapter members further their metalcasting skills by networking with peers and professionals, manufacturing castings, conducting outreach, competing in casting competitions, and more.



Are your Safety Data Sheets (SDSs) more than 3 years old?

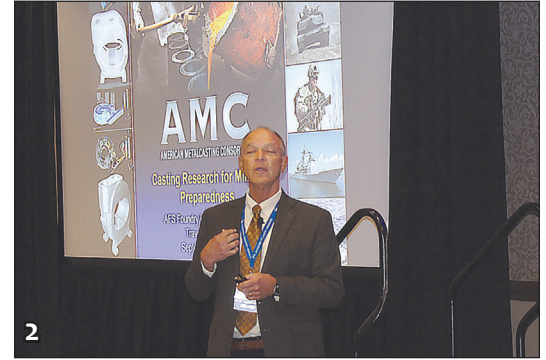
AVAILABLE NOW FROM AFS
AFS has releasing new and updated
Safety Data Sheets (SDSs).

For a full list of SDSs (and the specific alloy ranges) being released, please visit www.afsinc.org/2019SDS.

If you have questions about the SDSs, contact Juliette Garesché at (847) 824-0181 or jgaresche@afsinc.org.

Foundry Leadership Summit

Sept. 22-24, 2019 • Traverse City, Michigan



1. Panelists share insight during the Alternative Approaches to Providing Quality Employee Healthcare panel at the Foundry Leadership Summit. Pictured, from left, are Amy McCulloch (Lighthouse Insurance Group), Rob Johnson (Waupaca Foundry), Mark Osmanski (ATEK Metal Technologies), and moderator Joey Leonard (HS HR Group). 2. Thornton White (American Metalcasting Consortium) delivers his presentation, "Casting Research for Military Preparedness." 3. Henry Lodge (Lodge Manufacturing Co.), left, and 2nd Vice President Jim Frost (AMERICAN Cast Iron Pipe Co.), were among 100-plus attendees from three continents. 4. Two industry leaders were honored by AFS at the summit. Arthur P. "Pete" Guidi, Jr. (Ward Manufacturing), left, received the William J. Grede Award. Craig Schmeisser (Mad River Strategies), right, received the Keating Founders' Freedom Award. Schmeisser and Guidi are pictured with AFS Board of Awards Chair Chris Norch (Denison Industries). 5. Futurist Peter Zeihan delivers his presentation, "The Future of Global Manufacturing – Revisited." 6. The audience listens to a speaker on Sept. 24. 7. Board Member Sara Joyce (Badger Mining) gives an update on Women in Metalcasting, an AFS shared interest group. 8. AFS CEO Doug Kurkul, left, and Franz Friedrich Butz (HA Group) discuss business. 9. Attendees participate in roundtable discussions on issues facing the foundry industry.

EHS achievements honored at annual conference

AFS recognized outstanding achievements in the environmental, health and safety field during its 31st EHS Conference, Oct. 8-10, 2019, in Louisville, Kentucky.

Thomas Rarick received the prestigious Childress-Loebler Award Lifetime Achievement Award from the AFS EHS Division. Rarick is a partner at ERM in Indianapolis, Indiana.

Stephanie Martins (Aurora Metals Division LLC, Montgomery, Illinois) and Kim Meyers (Amsted Rail, Groveport, Ohio) each received Service Citations in recognition of their work for the EHS Division.

Several companies also were honored at the conference.

Winning Safe Year Awards, which recognize foundries which have gone a full year with no lost-time injuries, were Accurate Castings (LaPorte, Indiana), Emerson



Thomas Rarick accepts the Childress-Loebler Award Lifetime Achievement Award from the AFS EHS Division.

(South Milwaukee, Wisconsin), J.R. Hoe & Sons (Middlesboro, Kentucky), Nemak USA, Inc. (Glasgow, Kentucky), Nemak USA, Inc. (Dickson, Tennessee), Novis Works LLC (Canton, Ohio), Oil City Iron Works, Inc. (Corsicana, Texas) and Osco Industries (New Boston, Ohio). This is Oil City Iron

Works' sixth consecutive year winning the Safe Year Award. J.R. Hoe & Sons won for a third year in a row, and Osco Industries is in its second consecutive year.

Green Foundry Awards were presented for achievements in sustainable industry, innovation and environmental engagement. Metal Technologies, Inc. (Auburn, Indiana), won a Green Foundry Award in the environmental engagement category. Kennedy Valve (Elmira, New York) won in the sustainability category, and Clow Valve (Oskaloosa, Iowa) won for innovation.

The EHS Division's newest honors, Safety and Health Innovation and Insight Awards, were presented for the first time to two companies. Hiler Industries (La Porte, Indiana), won the award in the safety category. Winning in two categories – health and ergonomics – was Clow Valve (Oskaloosa, Iowa).

Ferrous melting operators, suppliers gather for conference

Some of the biggest advancements in ferrous melting technology and methods were the forefront of the 5th International Ferrous Melting Conference, Oct. 30-Nov. 1 in Nashville, Tennessee.

Organized by the AFS Melting Methods and Materials Division, the conference featured expert speakers from the foundry and related melting industries who focused on coreless melting, channel furnace melting and holding, pressure pouring, cupola melting, metallurgy, and charge materials. Keynotes were scheduled each day to provide insight on foundry management, human resources and training issues, governmental affairs, and future demands for castings.

The International Ferrous Melting Conference, last held in 2015, is the premier gathering of ferrous melting operators and suppliers.



Young industry professionals from around the world gather at AFS HQ on Oct. 14.

Young Professionals Program draws an international crowd

Several dozen young employees from North America, Germany and Japan gathered in the Midwest on Oct. 14-17 for the Young Professionals Program.

The global networking event kicked off at AFS HQ in Schaumburg, Illinois, and followed with tours of manufacturing facilities in Illinois and Wisconsin. Attendees also heard presentations from industry

leaders, socialized, and even made their own Foundry-in-a-Box castings.

The group toured Wisconsin-based AFS Corporate Members Neenah Foundry, Kohler and Briggs & Stratton, as well as Chicago's MxD.

The Young Professionals Program rotates among the U.S., Japan and Germany. Japan hosted the event in 2016, and Germany was host in 2017.

Metalcasting Congress accepting sponsors

Don't miss your company's chance to stand out this April in Cleveland

Businesses that are ready to make a statement about their capabilities: don't delay in signing up for your Metalcasting Congress 2020 sponsorship opportunity.

Metalcasting Congress is April 21-23, 2020, at the Huntington Convention Center of Cleveland, an area with a vibrant industrial base and one of the largest concentrations of metalcasters in North America.

More than 2,000 industry professionals are expected to attend to see exhibits from leading suppliers and foundries, to network with their peers, and to experience technical and management insights and innovations.

Metalcasting Congress sponsors will enjoy many benefits, including high visibility on the official Metalcasting Congress app, pre-conference emails, and the exhibitor website; on-site recognition and announcements at the Huntington Convention Center of Cleveland; social media recognition; and more.



Cleveland will host Metalcasting Congress on April 21-23, 2020. Sponsorships are now available. The 2020 theme is "Seize the Opportunities."

AFS has a few unique opportunities for those seeking a more targeted audience at Metalcasting Congress. You can support these important industry initiatives and build your brand at the same time through one of these simple, recognition-based sponsorships.

These sponsorships are not exclusive. For more information, contact John Carano at jcarano@afsinc.org or 614-378-8948.

The sponsorship opportunities include

the Casting Source Theater, Reception with Exhibitors, and Foundry in a Box.

Registration for exhibitor booth space will begin in November.

Don't miss out on your preferred exhibit floor location or sponsorship opportunity. Call today. For exhibits, contact Deana Barrueta at exhibits@metalcastingcongress.org or 847-824-0181 ext. 238; for sponsorships contact John Carano at jcarano@afsinc.org or 614-378-8948.

AFS presents cast iron symposium in Spain



Attendees take part in a presentation at the 2nd Carl Loper Cast Iron Symposium in Bilbao, Spain, co-organized by AFS.

About 150 people from around the world gathered in Bilbao, Spain, for the 2nd Carl Loper Cast Iron Symposium on Sept. 30-Oct. 1.

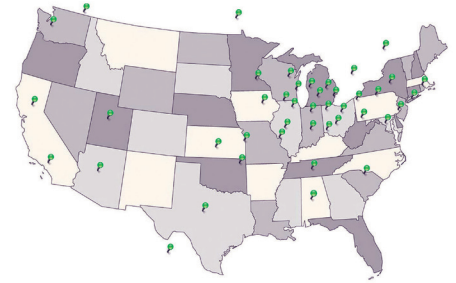
The event was co-organized by AFS, the Azterlan Metallurgy Research Centre, the World Foundry Organization, and the Tabira Foundry Institute. It was a busy two days, with 39 technical presentations, 36 papers, and four keynote presentations. AFS was represented by Thomas Prucha.

The 2nd Carl Loper Cast Iron Symposium coincided with the 10th anniversary of the 1st Carl Loper Cast Iron Symposium held in Madison, Wisconsin. The event honors the late Dr. Loper, a professor and renowned expert in metallurgy. Loper received the John A. Penton Gold Medal from AFS in 1972 and was the Hoyt Memorial Lecturer in 1992.

AFS Chapter Directory and Updates

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

Include your chapter news in the AFS Chapter Directory! Please send chapter updates, events, meeting schedules and other news to Katelyn Stanek, AFS Marketing & Communications Specialist, at kstanek@afsinc.org.



UNITED STATES

Alabama

Birmingham District

jjohnson@ajaxtocco.co

Jody Johnson

The Birmingham Chapter held its AFS Golf Outing on Sept. 7. On Oct. 17, they hosted a shooting and technical session at CMP Marksmanship Park. They will hold a regular meeting on Nov. 11 and a Holiday Spouse Night on Dec. 5.

California

Northern California

detria.mixon@abifoundry.com

Detria Mixon

Southern California

jason@smccast.com

Jason Gutierrez

Connecticut

New England

admin@newenglandafs.com

Drew Weaver

The New England Chapter's September meeting focused on OSHA standards in foundry grinding. On Oct. 9, they held a chapter working session to plan upcoming events. The Chapter Holiday Party is Nov. 22.

Georgia

Piedmont

shawn.mckinney@saint-gobain.com

Shawn McKinney

The Piedmont Chapter held a meeting on Sept. 18-19 in Greenville, South Carolina. The topic was "Preparing for the Silica Rule." They will hold a meeting on Nov. 20 in Conway, South Carolina.

Illinois

Central Illinois

stecklein_catherine@cat.com

Catherine Stecklein

Chicago

nmerens@lilliangroupmarketing.com

Norwin Merens

The Chicago Chapter held a dinner meeting on Oct. 15 in Schaumburg, Illinois. The speaker was Rich Jefferson.

Stateline

sean@slfcastings.com

Sean McGough

The Stateline Chapter hosted meetings at the Butterfly Supper Club in Beloit, Wisconsin, on Sept.

10 and Oct. 8. The September speaker was Ray Burnes.

Indiana

Central Indiana

michelle.ring@mineralstech.com

Michelle Ring

Northern Indiana

mking@ferroglobe.com

Marc King

The Northern Indiana Chapter welcomed Kevin Pilon as its technical speaker during a chapter meeting on Sept. 9. The technical speaker at the Oct. 14 meeting was Ben Thomas. The next meeting will be Nov. 18.

Iowa

Hawkeye

alex@senecafoundry.com

Alex Brown

The Hawkeye Chapter held a meeting at Irv Warren Memorial Golf Course on Sept. 17. The presenter was Jeremy Owen. On Oct. 15, the chapter toured Clow Valve and held a dinner meeting. Their next meeting will be Nov. 12.

Kansas

Plains States

ron@kansascastings.com

Ronald Pomeroy

Michigan

Central Michigan

charlesprater@calhounfoundry.com

Charles Prater

The Central Michigan Chapter held a meeting on Sept. 19. The topic was melt safety. On Oct. 18, they held a meeting and tour at Grand River Brewery.

Detroit Windsor

sfiyins@icloud.com

Shiaofong Yin

The Detroit Windsor Chapter hosted its annual AFS/ASM Golf Outing on Aug. 3 in Canton, Michigan. On Sept. 19, the chapter held an Oktoberfest-themed meeting with speakers Paul Eichenberg and AFS CEO Doug Kurkul. Dr. Kathy Hayrynen was the featured speaker at a joint AFS/ASM meeting on Oct. 7.

Saginaw Valley

jonathan.giove@gm.com

Jonathan Giove

Western Michigan

joelwyates@gmail.com

Joel Yates

The 80th annual Western Michigan Chapter AFS Golf Outing & Picnic was held Aug. 3 in Muskegon, Michigan. The chapter held a Sept. 10 meeting with speaker Tony Henley and an Oct. 8 meeting about opportunities and challenges for castings in 2020.

Minnesota

Twin Cities

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Travis Bodick

Missouri

Mo Kan

vbrock@canfieldjoseph.com

Vicki Brock

St. Louis

imrie@southerncast.com

Douglas Imrie

The St. Louis Chapter and the Missouri S&T Student Chapter held a joint meeting on Sept. 19.

New York

Central New York

Brad Wiler

brad.wiler@itt.com

The Central New York Chapter typically meets on the second Wednesday of the month from September to June. Contact Brad Wiler (brad.wiler@itt.com) to confirm event details.

Ohio

Central Ohio

eric@keenersand.com

Eric Weiffenbach

The Central Ohio Chapter held a joint meeting at the Ohio State University with students and the Ohio Cast Metal Association on Oct. 17. Top Management Night will be Nov. 21 in Hilliard, Ohio.

Cleveland-Akron Canton

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J Zalar

Southwestern Ohio

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Dale Welsh

Todolo

pcarlin@saalloys.com

Patrick Carlin

Oklahoma

Tri-State

rhall@spfoundry.com

Six decades on, D-W Chapter's gala is thriving

A lot goes into making the AFS Detroit-Windsor Chapter's Management Night Gala a success, but Shiao-fong Yin (TEALE Group Investment and Consulting), the chapter's 2015-2016 and current chair, says there's no secret to its enduring popularity. "It's fun!" she said. "That's it. Just make it fun."

The chapter's annual gala stretches back to 1958, when Walker Cisler, the famed engineer and executive at Detroit Edison, was the event's featured speaker. Every year since, national and international foundry executives – leaders who understand the impact of global, macro-trends on the industry – have head-

"We feel this is a special event where we get to really celebrate the folks that make our industry exciting, vibrant and dynamic."

lined the gala, which attracts about 200 attendees.

"We try to bring together stakeholders representing all aspects of the metalcast-

ing field: designers, producers, suppliers, buyers, users, educators and researchers from the U.S., Canada and Mexico," said Yin, to reflect the geographic, technical and corporate diversity of the chapter's territory.

Besides Detroit-Windsor members and AFS national leadership, members of other Michigan AFS chapters and the ASM Detroit chapter also attend, as do educators from local FEF schools. College students are sponsored by individual and corporate members.

In addition to big-name speakers,

Please see D-W on Page 15

Robert Hall

Pennsylvania

Chesapeake

dusty@boosealum.com

Dustin Finefrock

The Chesapeake Chapter held its annual AFS Crab Feast on Aug. 10 in Baltimore.

Keystone

dusty@boosealum.com

Dustin Finefrock

The Keystone Chapter's Entertainment Committee organized a golf outing and picnic on Sept. 6. The chapter held a sand seminar on Oct. 29 at Thaddeus Stevens College in Lancaster, Pennsylvania.

Northwestern Pennsylvania

greg@onexnet.com

Greg Trohoske

The NWPA Chapter's monthly dinner meetings are held on the third Tuesday of the month.

Pittsburgh

techmgr@duraloy.com

Roman Pankiw

The Pittsburgh Chapter held an axe-throwing night on Oct. 24.

Tennessee

Tennessee

slakey@lodgemfg.com

Scott Lakey

Texas

Texas

mloerwald@martinsprocket.com

Matthew Loerwald

The Texas Chapter watched a ballgame between the Frisco RoughRiders and NW Arkansas Naturals on Aug. 23. They hosted their Texas Trouble Shooters meeting on Oct. 25 in Ardmore, Oklahoma.

Utah

Utah

reed@lfsincorporation.com

SO CAL CHAPTER HOLDS GOLF TOURNAMENT



The AFS Southern California Chapter partnered with NADCA Chapter 30 for their annual golf tournament on Aug. 17. FEF alumni and students attended and had a tent on the sixth hole.

Reed Larson

Washington

Washington

cmckeever@uniwest.us

Chuck McKeever

Wisconsin

Northeastern Wisconsin

jmartin@aarowcast.com

John Martin

Wisconsin

m.kamin@carpenterbrothersinc.com

Michael Kamin

The Wisconsin Chapter hosted held a golf outing on Aug. 2 at Muskego Lakes Golf Club. Richard Jefferson was the speaker at the chapter's September meeting. On Oct. 21, they toured Manitowoc Grey Iron Foundry. Committee Night is Nov. 18.

MEXICO

North Mexico

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José Lobo

CANADA

British Columbia

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Craig Chamberlain

Eastern Canada

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Rejean Mailhot

The Eastern Canada Chapter held its annual golf tournament at Club de Golf Hériot in Drummondville, Quebec. They are co-presenting the 4th Intelligent Metallurgy Symposium on Oct. 31-Nov. 1 in Trois-Rivières, Quebec.

Manitoba

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Jason Brooks

Ontario

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Neal McCain

AFS committee changes name to reflect work

Water, Waste & Byproducts Management Committee is part of EHS Division

An AFS committee in the EHS Division updated its name this summer to reflect the current emphasis of its work.

Formerly called the Water Quality and Waste Disposal Committee, it is now known as the Water, Waste & Byproducts Management Committee (WWBMC).

For more information about this or any EHS committee, email Juliette Garesché at jgaresche@afsinc.org.

Engineering Division offers Plant Review Program

A new program to support manufacturing efficiencies recently was launched by the AFS Engineering Division.

As part of the division's Plant Review Program, members visit metalcasting plants and offer suggestions on process improvements, plant engineering, energy and related topics. The program launched this summer.

The Engineering Division recently toured three facilities, which included a requested review of one foundry. In January, the division will meet in Birmingham, Alabama, and will tour nearby U.S. Pipe.

The program is for companies represented by members in good standing of the Engineering Division.

For more information on the Plant Review Program, or to join the Engineering

Apply for the Plant Engineering Award

Has your plant used innovative engineering for continuous improvement? The AFS Engineering Division is now accepting applications for the 2020 AFS Plant Engineering Award, which recognizes facilities' engineering achievements in planning, installation, operation and maintenance and automation of foundry equipment. Applications are due Nov. 15. For more information or to nominate a plant, email Kim Perna at kperna@afsinc.org.

Division, email Tom Doré at tdore@afsinc.org.

AFS INSTITUTE

Institute launches Supervisor Development Program

Five-month program comes to your facility

A comprehensive, five-month program from the AFS Institute will support training and development for supervisors of hourly employees.

The new Supervisor Development Program teaches metalcasting professionals to build their leadership skills in the office and on the shop floor. Facilitated by

corporate leadership and development expert Jay Colker, this 50-hour training program helps supervisors learn to improve results through time management, effective communication, problem-solving and prevention, exercising authority effectively, and more.

The Supervisor Development Program is taught on-site, in your facility. For more information, contact Clarence Trowbridge at ctrowbridge@afsinc.org or 847-824-0181 ext. 217.

AFS Supervisor Development Program is designed for:

- Supervisors
- Superintendents
- Engineers
- Quality professionals
- Safety professionals
- Sales leaders
- Maintenance leaders
- Crew leaders

NoRedesign, AFS to host webinar on innovative casting design method

Sign up for free web event on Dec. 10

NoRedesign.com, in partnership with AFS, will present a free webinar on an innovative casting method at 3

p.m. CT on Tuesday, Dec. 10.

The use of an existing software package helps OEMs design better castings the first time, without restarts, outfits, and re-tooling. The software is part of most 3D CAD suites as an add-in that simulates fluid flow and heat transfer.

Using a breakthrough application of this software, an OEM can develop and improve the producibility of a casting design while remaining inside the 3D CAD's parametrics.

To register, visit www.noredesign.com/afs.

New launch, marketing tool for foundries

A column in *Member Connections* may seem like an odd forum to announce big changes to *Metal Casting Design & Purchasing*. Please bear with me. *Metal Casting Design & Purchasing*, like the Phoenix, will relaunch with the November/December issue as *Casting Source: The Leading Resource for the Metalcasting Supply Chain*.

Casting Source, in print and online, will be a necessary tool for more effectively reaching your customers. Whether the job title is Casting Technical Steward, Commodity Specialist, Global Procurement Manager, Project Designer, Product Engineer, or Supply Chain Manager, our goal is to find and provide them with a free subscription to *Casting Source* magazine.

My recent discussions with suppliers and foundries yielded a critical point. Those who have aggressively pursued new business have not experienced the slowdown others have in the second half of 2019. There are no universal solutions in an industry as diverse as metalcasting. Nevertheless, our big goal is to make *Casting Source* a major driver for new metalcasting business.

The online presence for *Casting Source* will be strong. Our Facebook page (@CastingSourceAFS) and Twitter account (@CastingSource) are constantly refreshed with the latest in metalcasting developments and trends. CastingSource.com will continue to be the place to go for insightful and well-written pieces to help you source castings.

However, there are excellent reasons we're keen on relaunching a hard copy magazine instead of deserting the battlefield of print and fully embracing only having an online presence right now.

Experts say Millennials like print magazines. That's critical. AFS is nothing if not committed to doing everything we can to bring those younger employees into metalcasting as knowledgeable purchasers, product designers, and suppliers.

Advertisers know when a magazine scrupulously grows its target audience,

as *Casting Source* is committed to, it's a necessary channel for connecting with that target audience. Print is more effective after repeated exposures, unlike broadcast media which becomes less effective. Print feels more like a conversation, while repeated broadcast advertising feels like harassment.

Not that *Casting Source* will buy ads to run on CNN or FOX, but the top print magazines reach greater audience numbers than the comparable prime-time TV programs. Print is powerful.

"Casting Source will reach the audience that matters for foundries—their potential customers—with potent exposures to the key messages."

This is even more important. 61% of readers take action after seeing effective print presentations. *Casting Source* will reach the audience that matters for foundries—their potential customers—with potent exposures to the key messages.

Magazine readers dig into printed information and they remember more of what they've processed than people do from broadcast. Good writing is vital. AFS' flagship magazine, *Modern Casting*, has won five awards in the past two years, four them for writing. We're bringing those writing credentials to *Casting Source*. We want the magazine to be well-read and we will have to bring our A game to making it well-written and well-edited.

For the worriers who fret about the

loss of content for design engineers, fear not! To paraphrase Mark Antony in Shakespeare's play *Julius Caesar*, we are not burying the metalcasting design part of this old magazine but adding a major thrust to the new magazine for the supply chain. The major strategic goal is new and better connections with foundry customers.

When they receive the first edition of *Casting Source*, they will see a new overall design. There will be new features and new columnists. We will have regular articles on AFS educational offerings for designers and buyers. We will feature experts on making and buying better parts. Reshoring has been highly effective in the past two years, and we will offer pieces on how purchasing agents can truly evaluate the real cost of offshore vs. domestic production. We have casting buyers who will provide insights for successful casting procurement for in the same professional roles. We will have foundry personnel speaking to the key issues they wish their customers understood better, like lead times.

One new feature I am most anticipating is "NextGen Voices," as it will feature younger personnel who are starting careers from all parts of the metalcasting supply chain.

Casting Source will be the leading resource for the metalcasting supply chain. If you're in that supply chain, this relaunched magazine will have something for you.

Two final stats: 91% of U.S. adults read print magazines. 84% are using the internet. So why would you drop print for advertising strictly online?

See you with the November/December edition of the new and improved *Casting Source* magazine.



AFS staff, members play leadership roles in military panels

It can be difficult for the U.S. military to source certain aircraft components from U.S. manufacturers. That was the central problem tackled at the Defense Logistics Agency's Casting and Forging Summit on Sept. 4 at Fort Belvoir, where AFS participated alongside government officials and other industry representatives.

Chief Technical Services Officer Steve Robison represented AFS and gave a metalcaster's perspective on the obstacles and opportunities for foundries that

produce castings for military applications. The summit was part of a push by the White House to strengthen the U.S. manufacturing and defense industrial base and supply chain.

Three working groups were established after the meeting. Robison will co-chair the Industry Practices team. Also on that team at the recommendation of AFS are AFS members Elton Cooper (Charlotte Pipe), Robert Littlefield (Chicago Magnesium Casting), Zach Gurtner (Bremen Castings), Jiten

Shah (Product Development & Analysis), and Mike Formanek (Carley Foundry). The Technical Data & Quality Team will be co-chaired by AFS member David Weiss (Eck Industries). Paul Czerwien (Chicago Magnesium Casting) is also on that team. The Business Development and Contracting Team will include AFS member Anthony Ortega (Denison Industries).

All three panels hope to conclude their work by December. For information, contact Robison at srobison@afsinc.org.

Foundries have resources for silica compliance

A recent news item demonstrates that the Occupational Safety and Health Administration (OSHA) is serious about enforcing its crystalline silica rule which became effective on June 23, 2018. AFS can help your metalcasting facility to work toward compliance and prepare for your next visit from OSHA.

As you may have seen in press reports, one foundry was just hit with over \$270,000 in proposed fines for silica and safety violations. AFS is committed to aiding foundries with compliance issues and other key safety regulations.

AFS has a webpage dedicated to silica compliance at www.afsinc.org/silica. There, you will find archived webinars, OSHA resources, detailed information on the rule, and other assets to keep you out of the crosshairs.

To avoid what happened recently to that metalcaster, you must view silica compliance just as critically. AFS has the tools to assist you.

Visit the AFS Silica Resource Page:
AFSinc.org/silica

For AFS members, use your login at www.afsinc.org to access Casting Connection for another document, the *Silica Handbook for Small and Medium-Sized Foundries*.

For more information, contact Stephanie Salmon, AFS Vice President of Government Affairs, at ssalmon@afsinc.org or Juliette Garesché, Senior Environmental, Health & Safety Technical Director, at jgaresche@afsinc.org.

AFS RESEARCH

Research Board approves project from Copper Alloys Division

A new AFS research project will investigate porosity in no-lead brass castings that contributes to high scrap rates. The AFS Research Board approved the project from the Copper Alloys Division, titled "Turbulent Gating Effect on C89833 Alloy," in September.

The research will help determine the effect of different non-turbulent gating systems on pressure tightness and mechanical properties of C89833 material.

Three AFS Corporate Member foundries will help with pouring and testing procedures. The project is expected to be completed by January 2020.

University of Northern Iowa research project earns grant

The University of Northern Iowa is conducting research into ceramic aggregates with the help of a grant from AFS.

Funding for the project, "Effect of Ceramic Sand on Cast Iron Mechanical Properties," recently was approved by the AFS Research Board. It aims to further understanding of how mechanical properties of cast iron are affected by the use of ceramic aggregates.

The research will be conducted under the direction of principal investigator Scott Giese, professor at UNI, and co-investigator Sairam Ravi, project manager of UNI's Metal Casting Center.

International Journal of Metalcasting grows in influence

The *International Journal of Metalcasting*, the technical and research journal of AFS, is more influential than ever, according to a widely used measure of academic journals.

IJMC's impact factor, an index that reflects the number of times a journal is cited by researchers, increased 25 percent from 2017 to 2018. Impact factors are calculated for all journals listed in Journal Citation Reports.

"It is often difficult to measure the importance our efforts have," said Tom

Subscribe to IJMC

Every AFS Corporate Member receives a subscription to the *International Journal of Metalcasting*. For subscription information, visit AFSinc.org/international-journal-metalcasting.

Prucha, editor-in-chief of IJMC. "But the impact factor is a direct reflection of the quality and importance of our journal's

papers made possible by the continued support of our IJMC reviewers, editorial board, Springer and AFS staff to make it the best global resource for metalcasting technical information."

IJMC is a peer-reviewed quarterly journal that leads the way in the transfer of research and technology for the global metalcasting industry. It is the official research journal of the World Foundry Organization. Now in its 13th year, IJMC is published by AFS in partnership with Springer Nature Publications.

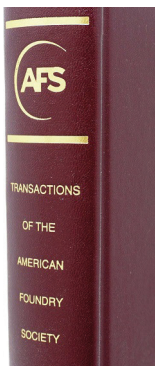
New AFS Transactions now available

Since 1896, *AFS Transactions* has been an important source of academic and practical information about the metalcasting industry. Now the newest edition of the *Transactions of the American Foundry Society* is available from the AFS Bookstore.

Featuring peer-reviewed papers presented at the 123rd Metalcasting Congress, this

much-anticipated 2019 volume includes papers on additive manufacturing, aluminum, cast iron, steel, EHS, engineering, and molding methods and materials.

The annual print edition will be an integral part of your technical reference library. Buy your copy by visiting the AFS Bookstore at www.afsinc.org.



HARMONY HOSTS CONGRESSMAN



Harmony Castings Plant Manager Mark Fallen, left, gives a foundry tour to U.S. Rep. Mike Kelly (PA-16), center, and Pennsylvania 16th District Director Tim Butler on Aug. 1. Harmony Castings is an AFS Corporate Member in Pittsburgh.

AFS VISITS DE PERE



AFS CEO Doug Kurkul, right, meets with Chad Moder, President of AFS Corporate Member De Pere Foundry (De Pere, Wisconsin).

AFS HOLDS STEEL CONFERENCE



Marshall Miller (Flowserve Corp.) gives a presentation on lost foam casting of stainless steel at Future Directions in Steel Castings, July 10 at AFS HQ.



THE AFS CORPORATE MEMBER ADVANTAGE

Business Opportunities & Branding

- **Trade Show/Exhibit Space Discounts** - Save money on exhibits and attendance at CastExpo and Metalcasting Congress (Discounts vary)
- **Sponsorships** - Only corporate members are eligible to sponsor for AFS management events
- **Referrals** - AFS refers customer inquiries to corporate members
- **Logo** - Corporate members can add credibility to their business by using the AFS logo on brochures and websites
- **Premium Casting Source Directory Promotion** - Receive placement in CSD, used by nearly 25,000 casting buyers and design engineers
- **AFS Shipping Solutions** - Take advantage of shipping savings.(Savings vary)
- **Business Development** - Workforce Development Forum

Industry Intelligence

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

Workforce & Career Development

- **Leadership Training & Sustainability** - AFS trains the current and future leaders of metalcasting
- **Building the Next Generation of Metalcasters** - Student chapters, Institute training, foundry demonstrations, Melting Point magazine and more attract new talent to the industry
- **Regional Chapters** - Individual members may join AFS regional chapters
- **Casting Connection** - Members can ask questions and get answers from peers through this metalcasting social network
- **Industry Job Descriptions** - AFS' complete, detailed list of metalcasting industry job descriptions is available for corporate members to use for recruiting, evaluations, or other workforce needs
- **Metalcasting Job Board** - Save 50% when you post jobs on the AFS Job Board
- **Event Discounts** - Save on registration for AFS educational and networking events AFS (Discounts vary)

Government Advocacy

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

Education

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

Technical, Management, Research Support, & Innovation

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

Books & Publications

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

AFS WELCOMES NEW CORPORATE MEMBERS



AF Gelhar Co
Sand for industry since 1919

AF Gelhar Co., Inc.



**Alliance
Recycling Group**



DataProphet



Mercury Marine



**TEMCO Metal &
Chemical Corp.**



US Pole Co. Inc.

D-W continued from Page 9

the gala includes dinner, raffles to raise money for scholarships, award-winning vendor displays and networking at some of the region's best venues. Potential venues for 2020 include Motor City Casino, Huron River Club and Ford Piquette Museum.

This is also the chapter's premier event for corporate sponsors, from tier 1's to

foundry suppliers to test labs and design houses, because of the promotion, visibility and access.

"There's a lot of competition for every member's time," Yin said. "We want to make it a festive affair that spouses will even want to attend."

Decades of experience means the chapter has event-planning down to a master checklist, which makes it easier for the volunteer board to manage. But they have

made changes. After decades of holding it in January, the 2020 Management Night Gala will move to Thursday, May 14.

"It's the networking event of the year," Yin said. "We feel this is a special event where we get to really celebrate the folks that make our industry exciting, vibrant and dynamic."

For information about the AFS Detroit-Windsor Chapter, visit www.afs-detroit.com.

AFS EVENTS

Feb. 6-7 | **Metalcasting Management & Development Summit** | New Orleans, LA

March 3-4 | **AFS Foundry Environmental 101 Seminar** | Schaumburg, IL

April 21-23 | **Metalcasting Congress 2020** | Cleveland, OH

May 19-20 | **Government Affairs Fly-In** | Washington, D.C.

INSTITUTE COURSES

Nov. 5-6 | **Gating & Riser Design 101** | Schaumburg, IL

Nov. 12-13 | **Introduction to Metalcasting** | Schaumburg, IL

Dec. 4-5 | **Introduction to Metalcasting** | Oklahoma City, OK

Dec. 11-12 | **Gating & Riser Design 201** | Charlotte, NC

Jan. 8-9 | **Gating & Riser Design 101** | Birmingham, AL

Jan. 22 | **Train the Trainer** | Schaumburg, IL

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

WHAT'S YOUR STORY?

TELL IT TO MORE CUSTOMERS NOW!

Does your foundry have a promotional video? Get your video seen by new customers with **Foundry Video Central**.

Foundry Video Central gives you a platform to share your promotional video with new customers. **AFS** will continuously promote **Foundry Video Central** to parts buyers to ensure steady traffic. You will receive periodic reports from **AFS** indicating the number of page views for your videos. Video placement on **Foundry Video Central** is in random order each time a visitor comes to the site. You never need to worry that your video is getting pushed permanently to the bottom of the page.

Contact **John Carano** at jcarano@afsinc.org or **614-378-8948** to get started.

