

## CastExpo 2019

# Metalcasting success starts here

It's three years in the making: North America's largest metalcasting trade show and congress. Now, CastExpo 2019 is nearly here.

Produced by AFS, CastExpo 2019 is April 27-30 at the Georgia World Congress Center in Atlanta. Thousands are expected to attend, making it the continent's biggest gathering of the metalcasting supply chain in 2019.

CastExpo is known for its huge show floor featuring full-scale demos from hundreds

of exhibitors. Foundries also showcase their capabilities in Cast in North America (CINA), where the continent's leading metalcasters will do business.

The CastExpo 2019 theme, "Metalcasting Success Starts Here," speaks to the importance of this once-every-three-years event. CastExpo connects suppliers, buyers and metalcasters, attracting attendees from the entire \$33 billion metalcasting indus-

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- **CastExpo keynote speaker profiles**
- **Important CastExpo dates**



The show floor at CastExpo 2016 is packed with exhibitors and visitors. CastExpo 2019 is expected to attract huge crowds of buyers, metalcasters and other industry supply chain representatives. Registration is open at [CastExpo.com](http://CastExpo.com).

try – owners and executives, engineers and technicians, buying agents and purchasers, professors and students, suppliers and servicers, office staff and sales managers, and

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## AFS debuts management, development summit

A brand new summit from AFS promises to develop the leadership savvy of metalcasters.

The AFS Metalcasting Management and Development Summit is Feb. 7-8 in Charleston, South Carolina. The theme of the summit is "Preparing our talent and culture for the future," and it will cover contemporary workplace issues – everything from medical marijuana laws and the #metoo movement to ways to retain top talent and identify leadership blind spots.

"The summit will help define your leadership skills and provide actionable items

to take back to your workplace," said Cathy Potts, AFS HR director.

Although hosted by the Human Resources Committee, this event is designed with more than HR personnel in mind. Front-line supervisors, managers, members of Women in Metalcasting and Future Leaders of Metalcasting, and anyone looking to build their professional development skills will find the summit

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# Technical and research leadership at AFS

Unique among its peers, the American Foundry Society is four organizations in one: a) A professional technical society, b) an industry advocacy organization, c) a provider of quality educational services, and d) a publisher of a broad variety of media content. All four roles support the AFS mission, which is to “advance the success of our members and the metalcasting industry through advocacy, education, and innovation.” Thanks to member involvement, AFS can be effective in all four roles. This month’s column focuses on our role as the premier technical society for the \$33 billion metalcasting industry.

AFS today has 17 research projects underway totaling \$560,000. Our research is funded chiefly by corporate member dues, and updates are published regularly in this newsletter and in *Modern Casting*. Each project is selected by the AFS Research Board based on its potential to benefit AFS members and advance the industry. About half of the research is being performed at FEF universities, with the rest being done at foundries and other research labs.

Concurrently, AFS is involved in about \$2 million in government-funded research and additional research through the Worcester Polytechnic Institute.

Traditionally, research came primarily from just two of the AFS technical divisions. Today, no fewer than eight divisions are involved in generating research proposals: Steel; Cast Iron; Aluminum; Environment, Health and Safe-

ty; Lost Foam; Investment Casting; Sand Casting; and Additive Manufacturing.

**"Traditionally, research came primarily from just two of the AFS technical divisions. Today, no fewer than eight divisions are involved in generating research proposals."**

AFS also has active technical committees in the areas of Copper, Molding Methods, Melting Methods, as well as Engineering. Committees provide amazing opportunities to meet industry peers, grow professionally, and shape the AFS research agenda. Now is the perfect time to join an AFS technical committee, whether you are an industry newcomer or veteran: Contact Kim Perna or Ryan Davis at 800-537-4237.

Dozens of technical and management presentations will be offered at CastExpo 2019 in Atlanta on April 27-30. As North

America’s premier foundry trade show, the event will also afford the first opportunity to see first-hand the impressive new foundry equipment and innovations for 2019 displayed by hundreds of elite industry suppliers.

Technical conferences in 2019 will include the Advanced Waste and Byproducts Seminar on Feb. 19-20 in Schaumburg, IL; the Copper Alloy Workshop on Sept. 18-19 in Schaumburg, IL; Safety 101 in Charlotte, NC on Oct. 6-7; the EHS Conference in the same city Oct. 8-10; and the International Ferrous Melting Conference Oct. 30-Nov. 1 in Nashville, TN.

Do you have technical questions? One great way to get industry feedback is by posting your question on Casting Connection. Another is by calling our technical experts on staff: Steve Robison, Frank Headington and Juliette Garesché. For foundry education courses, e-learning, or customized training, contact Clarence Trowbridge, Bo Wallace or Renee Berrigan.

As always, thank you for your involvement in AFS. We look forward to serving you.



**AFS AND THE INSTITUTE**

**2019 ADVANCED  
FOUNDRY WASTE &  
BYPRODUCTS  
SEMINAR**

AFS Headquarters  
Schaumburg, IL  
February 19 - 20, 2019

# EHS Division honors award-winners

## First Green Foundry Awards presented, Lenahan wins Childress-Loebler

A new award for green foundries and a lifetime achievement award for AFS 2nd Vice President Mike Lenahan were among the honors presented by the EHS Division at the AFS 30th Environmental, Health & Safety Conference in Ohio Oct. 9-11.

The Green Foundry Case Study Awards recognize AFS Corporate Members for achievements in sustainable industry, innovation and environmental engagement. This is the first year they have been awarded. The winners are:

- Kennedy Valve, a division of McWane, first prize in sustainable industry;
- Waupaca Foundry Inc., runner-up in sustainable industry;
- Amsted Rail Company, runner-up in sustainable industry;
- Clow Valve, a division of McWane, first prize in innovation; and
- Waupaca Foundry Inc., first prize in environmental engagement.

Twenty-three plants won Safe Year Awards, granted to facilities that go a year without any lost-time incidents. They are:

- Advanced Cast Products,
- Alliant Castings,
- Anvil International,
- Aurora Metals Division LLC,
- Charlotte Pipe and Foundry Company,
- Denison Industries,



AFS 2nd Vice President Mike Lenahan, left, is presented with the 2018 Childress-Loebler EHS Lifetime Achievement Award by Dan Oman, chair of the EHS Division.

- Erie Bronze & Aluminum,
- J.R. Hoe & Sons Inc.,
- Metal Technologies-Auburn Casting Center,
- MetalTek International-Carondelet Division,
- MetalTek International-Wisconsin Centrifugal Division,
- MetalTek International-Wisconsin Investcast Division,
- Novis Works LLC,
- Oil City Iron Works Inc.,
- Osco Industries-New Boston Division,
- Pier Foundry & Pattern Shop Inc.,
- T.B. Wood's Inc.,
- The Ford Meter Box Company Inc.,
- U.S. Pipe and Foundry Co.-Bessemer,

- U.S. Pipe Bessemer Works,
- U.S. Pipe,
- U.S. Pipe Mini Mill, and
- Wabash Castings Inc.

Lenahan (KB Foundry Services) was honored with the 2018 Childress-Loebler EHS Lifetime Achievement Award for his many contributions to the industry.

Also at the conference, Brent Charlton (Metal Technologies-Auburn) won the 2018 EHS New Member Award, and Eric Pylkas (Insight IH Consulting) and Paul Lynes (Finger Lynes Engineering) each won the 2018 EHS Division Service Award.

The conference attracted more than 160 metalcasters, making it AFS’ biggest EHS event in years.

# Industry earns wins on water infrastructure, sweepers

A new water infrastructure law and an agreement from OSHA on non-HEPA sweepers highlight recent policy victories for the metalcasting industry.

A comprehensive infrastructure bill backed by AFS won resounding support from Congress. America’s Water Infrastructure Act (S. 3021) provides more than \$6 billion in funding for civil works

projects nationwide, as well as important improvements for drinking water and wastewater infrastructure.

The bipartisan measure was signed into law by President Donald Trump in October.

[VIEW online](#)  
See the AFS Advocacy video at [www.AFSinc.org/AdvocacyVideo](http://www.AFSinc.org/AdvocacyVideo)

AFS actively supported an extension of the bill’s “Buy American” provision through FY2023, requiring all iron and steel used in water infrastructure projects be American-made when funded by the Drinking Water State Revolving Fund. Additionally, investing in infrastructure was one of the priority issues

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# Meet the AFS staff

*A periodic feature in AFS Member Connections*



**Katie Matticks** *Senior Project Manager, [kmatticks@afsinc.org](mailto:kmatticks@afsinc.org)*

Katie Matticks is Senior Project Manager at the American Foundry Society. She serves as the community manager for AFS' private social network CastingConnection as well as staff liaison to Women in Metalcasting and the Management Council. Her 10-year career at AFS has focused on developing and delivering technical, educational, library and online community services to association members and customers. Katie has a master's degree from Dominican University in library and information science, and a Bachelor of Arts from DePaul University.

**Sue Thomas** *Senior Technical Editor, [stthomas@afsinc.org](mailto:stthomas@afsinc.org)*

Sue Thomas has been part of the AFS staff for 28 years. Originally a student member of AFS, Sue's inspiration for entering metallurgy came after a foundry tour sparked her interest. Sue earned a degree in materials engineering with a metallurgy specialty from the University of Illinois at Chicago. Her career in metalcasting has ranged from metallurgy research and failure analysis, to machine shop technical sales, to a past AFS/CMI instructor, to former executive editor of *Modern Casting*, to her current role as Senior Technical Editor for AFS Special Publications and Marketing. She also has represented AFS at various trade shows.



**Ryan Davis** *Technical Research Assistant, [rdavis@afsinc.org](mailto:rdavis@afsinc.org)*

Ryan Davis joined AFS in August 2018. As the Technical Research Assistant, Ryan plays an integral role in promoting the metalcasting industry's valuable research. Ryan is the glue between AFS and corporations, academic institutions, and government agencies conducting research. With the new AFS digital library launching the past year, Ryan is there to assist AFS members in finding any of the 15,000 articles available online. Ryan has a degree in journalism from the University of Illinois at Urbana-Champaign.

**Valerie Stramaglia** *Accounting Manager, [vstramaglia@afsinc.org](mailto:vstramaglia@afsinc.org)*

Valerie Stramaglia started with AFS in June of 1989 after graduating from Bradley University. Before her current role as Accounting Manager, Valerie originally served as the registrar for CMI (now known as the AFS Institute). She plays an integral role for Metalcasting Congress and Cast-Expo and feels honored to have been part of the 100th Metalcasting Congress celebration in Philadelphia. What Valerie finds the most rewarding about working at AFS is being able to work closely with other members of the staff and contribute to a lot of diverse projects.



## Improve your leadership IQ

*By Margaret Graziano, guest columnist*

*Editor's note: Talent management expert Margaret Graziano of Keen Alignment presented at the 2018 Future Leaders of Metalcasting Meeting in Mankato, Minnesota. She will be a speaker at the FLM event at CastExpo at 1:30 p.m. on April 28 in Atlanta, GA.*

Being an effective leader of people in today's world seems to be much more complicated than in years past. In the previous century, for the vast majority, work was approached as a means for survival. The level of employee engagement did not dictate how long they stayed in the role. That's different today, however. Working class people are always on the look-out for more stimulating and rewarding work, as well as inspiring work environments where they can make a difference and grow themselves and their careers.

Global workforce surveys report that highly qualified, motivated people choose to work for companies that build a strong, inspiring culture and that monitor and address both workplace culture and climate issues as they arise. If recruitment and retention of highly qualified, motivated people is one your organization's initiatives, your Leadership IQ ought to be another. They go hand in hand.

Leaders in the early 21st century face unprecedented challenges. They must be able to lead three completely different generations of people, all with different operating contexts and outlooks on what work is all about. Today's leaders must not only understand their competitors for customers, they must also understand their competitors for the talent. Modern leaders must have well-honed human awareness acumen and call on it moment-by-moment to inspire, enroll and engage their employees. These

leaders must understand the systemic impacts of their company "climate" and be willing to look deeper to understand cultural norms that are impeding agility and innovation. They must have the finesse to weave the day-to-day task work into the big picture and inspire their people to give it their all for the sake of the mission. Today's leaders need to understand people at their core like never before.

Your Leadership IQ relies on your ability to grow, learn and master new ways to lead people, and there are three tenets to consider when boosting it: Self-awareness, Executive Brain Function, and Response Agility.

### 1. Self-Awareness

Self-Awareness begins with the curiosity and courage to hear what works and does not work about your leadership and the culture that exists in the organization. Once you become aware of your competitive talent advantages and your talent barriers from the eyes of your people, you are equipped to take powerful action. Self-awareness allows you to leverage your talent and intervene when and where necessary to remove those personality ticks that are in the way of your true leadership potential.

Culture and climate awareness opens the door for you to see what is really going on and intervene in the cultural norms and barriers that are in the way of employee engagement, innovation and synchronicity. When you are curious and courageous you begin to ask the tough questions and hear the tough answers. When you do this, you begin to see what "blind spots" may be hidden from your view and you learn what you do to that sabotages or impedes your leadership effectiveness.

Self-Awareness is the doorway to emotional intelligence and it gives you access to real improvement as well as personal and professional development. Self-Awareness is not always easy. In almost every case with every human being there are aspects of personality or behavior that has a negative impact on

others, and with an authentic look in the mirror an aware leader can begin to take responsibility for that negative impact. Being aware of our negative behaviors, alone, is insufficient. Taking responsibility for the impact of those behaviors, asking for forgiveness and working to shift those limiting ways of being is where your Leadership IQ begins. Once a leader has mastered self-awareness they optimize their ability to leverage situational awareness; which is fundamental to assessing, evaluating and intervening if need be, in the ebbs and flow of the climate and culture of their organization.

### 2. Executive Brain Function

Optimizing your Executive Brain function is a secret weapon of Leadership IQ. The PFC, prefrontal cortex, is where the executive brain operates; it is like the controls in a cockpit. This is the part of our brain where strategic thinking, collaboration, reasoning and creativity come from. The problem is most leaders learn over time to depend and lean on one hemisphere and become complacent in allowing that hemisphere to run the show. This limits the airplane's ability to navigate through storms and soar to new heights.

The left hemisphere of our brain is where our organization, categorizing, reasoning, and strategizing come from. It is in the right hemisphere where brainstorming, innovation, collaboration, and relationship abilities are housed. When a leader is aware of their goals and visions as well as in control (conscious) of their thoughts, responses, and well-being—and the leader leverages both hemispheres of their executive brain through right/left hemisphere integration—their Leadership IQ and effectiveness skyrockets. When a leader is utilizing all of their capacities, they see things they might not see and are more equipped to respond to climate and culture barriers and infringements.

### 3. Response Agility

Response Agility is the ability to respond in an appropriate, controlled manner—regardless of the current stress or breakdown the leader is facing. Being agile with response and reaction is key to effective leadership. Flat line reaction is

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# 2018 Foundry Leadership Conference

Sept. 16-18 • Amelia Island, Florida



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1: Attendees listen to a presentation at the 2018 Foundry Leadership Conference in September. The event included insights from industry experts and business and media figures, networking, roundtables and more. For the third year in a row, attendance at FLC rose. 2: Bradford Muller (Charlotte Pipe & Foundry), left, accepts the James P. Keating Founders' Freedom Award from Denny Dotson (Dotson Iron Castings). 3: Eric Meyers (Oil City Iron Works) gives a speech after receiving the Keating Award. Both Meyers and Muller won the award for their contributions in government affairs. 4: AFS Vice President Peter Reich (LaempeReich) addresses the FLC crowd. 5: Megan Kirsh (Kirsh Foundry) delivers an update about Future Leaders of Metalcasting, an AFS shared interest group. The 2019 Foundry Leadership Conference will be Sept. 22-24 in Traverse City, Michigan.

## CastExpo 2019 Keynote Speakers

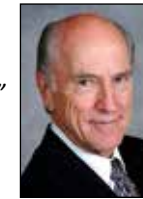
**Kaihan Krippendorff**  
"Outthink the Competition"  
10:30 a.m. April 27

Krippendorff is the founder of Outthinker Roundtables with a reputation as a thought leader and a battle-tested consultant. He has energized businesses and individuals all while generating over \$2.5 billion in revenue for many of the world's most recognizable Fortune 500 companies. He will speak about thriving in today's era of fast-paced technological change.



**Dr. Doru Stefanescu**  
"Cast Iron's Meritocratic Ascendance from Witchcraft to Virtual Simulation"  
10:30 a.m. April 28

The world of materials competes solely on performance. Cast iron, going back to the 5th century B.C., survived on merit. To remain competitive, cast iron connected to the knowledge journey of humans. Stefanescu, faculty emeritus at Ohio State University and University of Alabama, will explore this journey.



**Frank Abagnale**  
"Catch Me If You Can"  
10:30 a.m. April 29

Abagnale, the inspiration for the movie *Catch Me If You Can*, provides entertaining insight into his life as a notorious impostor of the 1960s. Once known as America's most gifted con man, Abagnale will speak to CastExpo attendees about his escapades and reveal how he learned to live on the right side of the law.



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so many more. They check out the latest equipment and sign new deals, network and reconnect with peers and prospects, and learn about the latest advancements in metalcasting.

Running concurrently with CastExpo is the 123rd Metalcasting Congress, where many of the industry's leading thinkers share the latest research, innovations and

breakthroughs. Attendees can choose sessions from educational tracks covering all areas of metalcasting, including a Designers and Buyers Track offered on the show floor to complement CINA. Designers and buyers also are encouraged to "BYOB," or bring their own blueprints, to CINA foundries to explore their casting options.

Registration for CastExpo is open. To register or for more information, visit [www.CastExpo.com](http://www.CastExpo.com).

### CASTEXPO 2019 Important Dates

- Feb. 15, 2019:** Last day for early registration
- April 26, 2019:** Last day for advance registration
- April 27-30, 2019:** CastExpo 2019 at the Georgia World Congress Center, Atlanta

Register, find hotel and programming information and more at [CastExpo.com](http://CastExpo.com).

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not appropriate for all situations. Screaming and yelling is not appropriate for any situation. Anger and frustration might be needed at times, and curiosity and collaboration may be needed at other times.

Agility in your response means you have trained yourself to think before reacting. Effective leaders ask themselves, "What is needed now?" This has everything to do with situational awareness and appropriate reaction. When stress hits the fan at work, a leader who has a handle on how they respond, and can coach others in this manner, is a leader who is positively contributing to

a healthy company climate and culture. Response Agility takes discipline, awareness, new habit formation and commitment and is a core component of Leadership IQ.

Being a mission-driven leader who inspires people to give their best in service of a compelling vision is a key element of today's most successful leaders. They know that most people they hire are not coming to work simply for a paycheck; these leaders have a keen awareness that many people they hire are coming to work to fulfill their individual purpose in a way that supports the organizational purpose. Today's highly effective leaders understand how to inspire *esprit de*

*corps* and leverage their communications with people to do so. They utilize their people intelligence to tie work responsibilities and tasks to the overall intention for and strategy of the business. Lastly, these leaders understand the difference between climate and culture and have the aptitude to know how and when to intervene in both.

Learning the fundamentals of how people operate and how to inspire them is the easy part. Mastering those skills is your Leadership IQ. Turning your leadership IQ into your competitive talent advantage is the number one way to impact recruitment and retention of the best people.

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engaging and useful.

Presenters include Kevin Mays, CEO of Mays Leadership; attorney Mitch Quick of Michael Best & Friedrich LLP; Kirk Vitello, a certified Dale Carnegie trainer for

Dale Carnegie South Carolina; and coach, speaker and social media influencer Curt Mercadante.

Visit [www.AFSinc.org/2019MMDS](http://www.AFSinc.org/2019MMDS) for more information or to register for the AFS Metalcasting Management and Development Summit.

**REGISTER** for AFS Metalcasting Management & Development Summit

Feb. 7-8, 2019  
Charleston, South Carolina  
Visit [AFSinc.org/2019MMDS](http://AFSinc.org/2019MMDS)

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## 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](http://www.AFSinc.org/get-involved).

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



### UNITED STATES

#### Alabama

##### Birmingham District

[jboyd@gfmco.com](mailto:jboyd@gfmco.com)

John Boyd

#### California

##### Northern California

[detria.mixon@abifoundry.com](mailto:detria.mixon@abifoundry.com)

Detria Mixon

##### Southern California

[jason@smccast.com](mailto:jason@smccast.com)

Jason Gutierrez

#### Connecticut

##### New England

[emarczyszak@burndy.com](mailto:emarczyszak@burndy.com)

Edward Marczyszak

On Oct. 17, the New England Chapter held a plant tour in Taunton, Massachusetts. The chapter attended "A Connecticut Christmas Carol" on Nov. 30.

#### Georgia

##### Piedmont

[mstowe@advancedenergy.org](mailto:mstowe@advancedenergy.org)

Michael Stowe

The Piedmont Chapter held a meeting on preventative foundry maintenance Nov. 14-15. The AFS Southeast Regional will be held Feb. 20-22 in Savannah, Georgia.

#### Illinois

##### Central Illinois

[weaver\\_d\\_trent@cat.com](mailto:weaver_d_trent@cat.com)

Trent Weaver

#### Chicago

[nmerens@lilliangroupmarketing.com](mailto:nmerens@lilliangroupmarketing.com)

Norwin Merens

The Chicago Chapter hosted a meeting at AFS Headquarters on Dec. 6. It included a streaming presentation from Stephanie Salmon of the AFS Washington office.

#### Stalene

[sean@slfcastings.com](mailto:sean@slfcastings.com)

Sean McGough

The Stalene Chapter hosted meetings at the Butterfly Supper Club in Beloit, Wisconsin, on Oct. 9, Nov. 13 and Dec. 11.

#### Indiana

##### Central Indiana

[jeffcnwhpt@gmail.com](mailto:jeffcnwhpt@gmail.com)

Jeffrey Craig

##### Northern Indiana

[jschutz@hilerindustries.com](mailto:jschutz@hilerindustries.com)

Jeff Schutz

On Oct. 8, the Northern Indiana Chapter hosted a dinner in Plymouth, Indiana. The chapter also hosted a scholarship night on Nov. 12.

#### Iowa

##### Hawkeye

[gammillwilliamj@johndeere.com](mailto:gammillwilliamj@johndeere.com)

William Gammill

The Hawkeye Chapter held meetings in Waterloo, Iowa, on Oct. 16 and Nov. 13.

#### Kansas

##### Plains States

[ssprveill@cfmfoundry.com](mailto:ssprveill@cfmfoundry.com)

Schott Sprueill

#### Michigan

##### Central Michigan

[charlesprater@calhounfoundry.com](mailto:charlesprater@calhounfoundry.com)

Charles Prater

##### Detroit Windsor

[david.d.goettsch@gm.com](mailto:david.d.goettsch@gm.com)

David Goettsch

The Detroit Windsor Chapter held Education Night on Oct. 18 with speaker Dr. Sam Ramrattan of Western Michigan University.

##### Saginaw Valley

[robert.5.smith@gm.com](mailto:robert.5.smith@gm.com)

Robert Smith

##### Western Michigan

[egildner@cadillaccasting.com](mailto:egildner@cadillaccasting.com)

Eric Gildner

On Oct. 9, the Western Michigan Chapter held a chapter meeting and its Past Presidents' Night. Clarence Trowbridge, vice president of workforce development for AFS, was the presenter. The chapter also hosted a foundry tour on Nov. 13.

#### Minnesota

##### Twin Cities

[alan.jacobson@aam.com](mailto:alan.jacobson@aam.com)

Alan Jacobson

#### Missouri

##### Mo Kan

[vbrock@canfieldjoseph.com](mailto:vbrock@canfieldjoseph.com)

Vicki Brock

##### St. Louis

[imrie@southerncast.com](mailto:imrie@southerncast.com)

Douglas Imrie

#### New York

##### Central New York

[john.lisi@itt.com](mailto:john.lisi@itt.com)

John Lisi

#### Ohio

##### Central Ohio

[eric@keenersand.com](mailto:eric@keenersand.com)

Eric Weiffenbach

The Central Ohio Chapter held a joint meeting with the Ohio State University Student Chapter. Read more about their meeting on page 9.

##### Cleveland-Akron Canton

[hseibel@refcotec.com](mailto:hseibel@refcotec.com)

Harry Seibel

##### Southwestern Ohio

[dwelsh@hillandgriffith.com](mailto:dwelsh@hillandgriffith.com)

Dale Welsh

#### Oklahoma

##### Tri-State

[rhall@spfoundry.com](mailto:rhall@spfoundry.com)

Robert Hall

#### Pennsylvania

##### Chesapeake

[garretts@inductotherm.com](mailto:garretts@inductotherm.com)

Garrett Smith

The AFS East Coast Regional was held Oct. 25-26 in Lancaster, Pennsylvania. It was co-hosted by the Chesapeake Chapter.

##### Keystone

[dusty@boosealum.com](mailto:dusty@boosealum.com)

Dustin Finefrock

The Keystone Chapter co-hosted the AFS East Coast Regional.

##### Northwestern Pennsylvania

[kwelser@clark-mckibbensafety.com](mailto:kwelser@clark-mckibbensafety.com)

Kelly Welsler

## OSU, Cen. Ohio chapters have strong partnership

Eric Weiffenbach remembers visiting Ohio State University's working foundry as a boy with his father. Today, Weiffenbach (Keener Sand & Clay Co.) continues that tradition – this time, as president of the AFS Central Ohio Chapter.

Every fall, the Central Ohio Chapter and the OSU Student Chapter come together for a joint dinner and meeting on campus at OSU. It's an opportunity for the students to present their work and network with professionals, and a chance for the pros share their knowledge and recruit students into the industry.

"We tour their foundry and they give us a briefing of what they're studying and their upcoming projects," Weiffenbach said. The students do some work for the professional chapter, he added. "They're



**OSU Student Chapter Chair Colin Ridgeway talks during a joint meeting with the Central Ohio Chapter Oct. 18.**

in the process of making our speaker awards."

The Central Ohio Chapter also announces its yearly scholarship for metal-

casting students during the meeting, the most recent of which took place Oct. 18.

"It's a really symbiotic relationship," said Colin Ridgeway, an OSU graduate student who chairs the student chapter and who is on the board of the Central Ohio Chapter. "They really have our back."

The chapters' connection extends beyond their annual get-together at the university. OSU Student Chapter members are welcome at Central Ohio Chapter meetings, usually with the help of a local company picking up their fees to attend.

Ridgeway said he's grateful for OSU's partnership with members of the Central Ohio Chapter.

"A lot of them have had full careers in the foundry industry, and they want to give back," he said.

The Northwestern Pennsylvania Chapter co-hosted the AFS East Coast Regional.

#### Pittsburgh

[techmgr@duraloy.com](mailto:techmgr@duraloy.com)

Roman Pankiw

#### Tennessee

##### Tennessee

[dffletcher@lodgemfg.com](mailto:dffletcher@lodgemfg.com)

David Fletcher

#### Texas

##### Texas

[brett.j.morehead@gmail.com](mailto:brett.j.morehead@gmail.com)

Brett Morehead

The Texas Chapter hosted a meeting in San Marcos on Oct. 5. Dr. Christine Hailey, dean of the College of Science and Engineering at Texas State University, was the speaker.

#### Utah

##### Utah

[reed@lfsincorporation.com](mailto:reed@lfsincorporation.com)

Reed Larson

#### Washington

##### Washington

[cmckeever@uniwest.us](mailto:cmckeever@uniwest.us)

Chuck McKeever

#### Wisconsin

##### Northeastern Wisconsin

[scott.stiefvater@abpinduction.com](mailto:scott.stiefvater@abpinduction.com)

Scott Stiefvater

##### Wisconsin

[cchapman@unimin.com](mailto:cchapman@unimin.com)

### NIGHT AT THE MUSEUM



**Members of the Western Michigan Chapter host a Foundry in a Box demonstration for Family Fun Night Sept. 28 at Lakeshore Museum Center in Muskegon, Michigan.**

#### Carey Chapman

The Wisconsin Chapter hosted a Christmas party at the Potawatomi Hotel & Casino. The AFS Wisconsin Regional will be Feb. 13-15 at the Potawatomi Hotel & Casino.

#### MEXICO

##### North Mexico

[jose.lobos@sinco.mx](mailto:jose.lobos@sinco.mx)

José Lobo

#### CANADA

##### British Columbia

[cchamberlain@oclim.com](mailto:cchamberlain@oclim.com)

Craig Chamberlain

The British Columbia Chapter held a holiday

social on Dec. 5.

##### Eastern Canada

[mrejean@hotmail.ca](mailto:mrejean@hotmail.ca)

Rejean Mailhot

The Eastern Canada Chapter hosted a meeting on Nov. 8 in Quebec, Canada.

##### Manitoba

[jbrooks@karrich.com](mailto:jbrooks@karrich.com)

Jason Brooks

##### Ontario

[neals.mccain@gmail.com](mailto:neals.mccain@gmail.com)

Neal McCain

On Oct. 25, the Ontario Chapter hosted a Fun 'N Games Night to fundraise for scholarships.

# Thank you.

More than 850 companies in the metalcasting industry align themselves with the American Foundry Society as corporate members. Thanks to the Corporate Member Advantage program, these companies derive a substantial ROI that includes recognition, exclusive benefits, the annual Metalcasting Forecast and *International Journal of Metalcasting* as well as other informative reports, and substantial discounts. Corporate members also help AFS advance its six-part mission of:

**Member Success & Sustainability • Industry Stewardship • Policy Advocacy • Promotion of Castings • Workforce Development • Technical Innovation**

To join these companies and become a Corporate Member, contact **Ben Yates** at 847-803-5278 or [byates@afsinc.org](mailto:byates@afsinc.org).

**Thank you to the following companies who are AFS Corporate Members:**

*Corporate Members as of Dec. 1, 2018*

A F K Corp  
 A Y McDonald Mfg Co  
 AAM - Castings - Bessemer  
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 AAM - Castings - Browntown  
 AAM - Castings - Columbiana  
 AAM - Castings - El Carmen  
 AAM - Castings - Kingsford  
 AAM - Castings - Menomonee Falls  
 AAM - Castings - New Castle  
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 AAM - Castings - Reedsburg  
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 AAM - Castings - Wauwatosa  
 Aarrowcast Inc  
 ABC Coke  
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 AC Foundry Inc  
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 ACTech North America Inc  
 Advanced Cast Products  
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 Advantage Metals Recycling LLC  
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 Airmatic Inc  
 Ajax Tocco Magnethermic Canada Ltd  
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 Akron Brass Co  
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 Alabama Casting LLC  
 Albarrie Canada Limited  
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 Aluminum Foundry of Wisconsin LLC  
 AMERICAN Cast Iron Pipe Company  
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 American Colloid Co - Albion  
 American Colloid Co - Belle Fourche  
 American Colloid Co - Belvidere  
 American Colloid Co - Chattanooga

American Colloid Co - Granite City  
 American Colloid Co - Hoffman Estates  
 American Colloid Co - Letohatchee  
 American Colloid Co - Neenah  
 American Colloid Co - Shell Rock  
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 Amsted Rail - Granite City  
 Amsted Rail - Kansas City  
 Amsted Rail Company Inc  
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 Anderson Global  
 Anthracite Industries Inc  
 Anvil International Inc - Columbia  
 Anvil International Inc - Exeter  
 AnyCasting Software Co Ltd  
 AP Westshore Inc  
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 Applied Process Inc  
 Aristo-Cast Inc  
 Armstrong Rapid Manufacturing  
 Asbury Carbons Inc - Asbury  
 Asbury Carbons Inc - Sunbury  
 Asbury Wilkinson Inc - Burlington  
 Asbury Wilkinson Inc - Cambridge  
 Asbury Wilkinson Inc - Chateauguay  
 Asbury Wilkinson Inc - Mississauga  
 Ashland Foundry & Machine Works  
 ASK Chemicals - Ashland  
 ASK Chemicals - Boonton  
 ASK Chemicals - Cleveland  
 ASK Chemicals - Cleveland  
 ASK Chemicals - Commerce  
 ASK Chemicals - Dublin  
 ASK Chemicals - Kansas City  
 ASK Chemicals - Kidderminster  
 ASK Chemicals - Mississauga  
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 ASK Chemicals de Mexico S de R L de C V  
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 ASK Chemicals Metallurgy Inc  
 Astech Alloy Steel Technologies Inc  
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 Atek Metal Technologies - Eden Prairie  
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 Atlas Foundry Co Inc  
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 Austin Foundry Corp  
 Automation System & Design Inc  
 Azterlan  
 B&L Information Systems Inc  
 Babs Foundry Inc  
 Badger Alloys Inc

Badger Mining Corp - Berlin  
 Badger Mining Corp - Taylor  
 Bahr Bros Manufacturing Co  
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 Ball Brass & Aluminum Foundry  
 Batesville Products Inc  
 Beaver Valley Alloy Foundry Co  
 Belmont Metals Inc  
 Benton Foundry Inc  
 Best Sand Corp  
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 Black Cat Wear Parts  
 Blackhawk de Mexico SA de CV  
 Blackmer  
 Blast Cleaning Technologies  
 Blastec Inc  
 Bodine Aluminum Inc - Jackson  
 Bodine Aluminum Inc - Saint Louis  
 Bodine Aluminum Inc - Troy  
 Boose Aluminum Foundry Co - Reamstown  
 Boose at Cornwall Inc - Lebanon  
 Bradken - Brisbane  
 Bradken - Oconomowoc  
 Bradken - Amite  
 Bradken - Atchison/St Joe  
 Bradken - Atlas  
 Bradken - Engineered Products  
 Bradken - Global Services  
 Bradken - London  
 Bradken - Mont-Joli  
 Bremen Castings Inc  
 Brenner Machine Co LLC Inc  
 Briggs & Stratton  
 Brokk Inc  
 BRP US Inc - Spruce Pine  
 BRP US Inc - Sturtevant  
 Buck Co Inc  
 Burnham Corp - Lancaster  
 Burnham Hydraulics - Lancaster  
 Burleigh Industries  
 Busche Aluminum Technologies  
 Busche Group  
 C A Lawton Co  
 C L Dews & Sons Fdry & Mach Co Inc  
 C Reiss Coke  
 Cadillac Casting Inc  
 Calderys  
 California Metal-X  
 Canada Metal (Pacific) Ltd  
 Capital Refractories Inc  
 CARBO Industrial Technologies - Houston  
 CARBO Industrial Technologies - New Iberia  
 Carley Foundry  
 Carlson Tool & Mfg Corp

Carolina Metal Castings  
 Carpenter Brothers Inc - Eagan  
 Carpenter Brothers Inc - Mequon  
 Carpenter Brothers Inc - Norton Shores  
 Carpenter Brothers Inc - Zionsville  
 Carrier Vibrating Equip Canada  
 Carrier Vibrating Equipment Inc  
 Cast Aluminum Solutions LLC  
 Cast Technologies Inc  
 Castalloy Inc  
 Casting Solutions LLC  
 Castwell Products LLC  
 Caterpillar de Mexico  
 Caterpillar Inc - Aurora  
 Caterpillar Inc - Champaign  
 Caterpillar Inc - Danville  
 Caterpillar Inc - Decatur  
 Caterpillar Inc - Denison  
 Caterpillar Inc - East Peoria  
 Caterpillar Inc - Lafayette  
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 Caterpillar Inc - Mossville  
 Caterpillar Inc - Peoria  
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 Caterpillar Inc - Toccoa  
 Caterpillar Inc - West Fargo  
 Caterpillar Logistics Services Inc  
 Centre for Innovation & Technology N Mahalingam (CITNM)  
 Century Brass Works Inc  
 CFM Corp  
 Champion Chisel Works Inc  
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 Chicago Magnesium Casting Co  
 Chris Erhart Foundry & Machine Co  
 Clansman Dynamics USA  
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 CMI Novacast Inc  
 CMP Global Inc - Suffolk  
 CMP Global Inc - Virginia Beach  
 Colonial Metals Co  
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 Comanche Technologies LLC  
 Conbraco Industries Inc - Conway  
 Conbraco Industries Inc - Matthews  
 Conbraco Industries Inc - Pageland  
 Consarc  
 Consolidated Mill Supply Inc  
 Continental Aluminum Corp  
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 CoorsTek  
 Covia - Benton Harbor  
 Covia - Brentwood  
 Covia - Chardon  
 Covia - Chesterland

Covia - Crystal City  
 Covia - Huntingburg  
 Covia - Mansfield  
 Covia - Millville  
 Covia - Milwaukee  
 Covia - New Canaan  
 Covia - Ottawa  
 Covia - Ottawa  
 Covia - Pittsburgh  
 Covia - Portage  
 Covia - Rocklin  
 Covia - St Charles  
 Covia - Sugar Land  
 Covia - Troy Grove  
 Covia - Tuscaloosa  
 Covia - Wedron  
 Covia Corp  
 CP Industries  
 CPP - Minneapolis Operation  
 Craft Pattern & Mold Inc  
 CTP Sinto America LLC  
 Cumberland Foundry Co Inc  
 Cummins Inc  
 Curto-Ligonier Foundries Co  
 Custom Castings Limited  
 Customized Energy Solutions  
 D & L Foundry Inc  
 D W Clark Inc  
 Dakota Foundry Inc  
 David J Joseph Co  
 Decatur Foundry Inc  
 Deeter Foundry Inc  
 Denison Industries Inc  
 DeWys Engineering  
 Didion International Inc  
 Dinamec Systems LLC  
 DISA  
 Donsco Inc - Mount Joy  
 Donsco Inc - Wrightsville  
 Dotson Iron Castings  
 Dualtech Innovative Casting Tech Inc  
 Durex Industries  
 Dustmaster Enviro Systems  
 Eagle Alloy Inc  
 Eagle Aluminum Cast Products  
 Eagle Machined Products  
 Eagle Manufacturing Group  
 Eagle Precision Cast Parts Inc  
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 EBAA Iron Inc - Cordele  
 EBAA Iron Inc - Eastland  
 EBAA Iron Sales Inc - Eastland  
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 EESTECH Inc  
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 Elkem Materials Inc  
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 Elkhart Brass Mfg Co Inc  
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 EMSCO Inc - Massillon  
 EMSCO Inc - Milwaukee  
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 EMSL Analytical Inc  
 Engineered Ceramics Corp  
 Engis Corporation  
 EnvisionTec Inc  
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 Epic Machine Inc  
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 ESI North America  
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 Farrar Corp - Manhattan  
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 Ferroloy Inc  
 Finishing Associates  
 Finite Solutions Inc - Hamilton  
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 Fisher Cast Steel Products Inc  
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 Flury Foundry Co  
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 Fonderie Saguenay Ltee  
 Fonderies Bibby Ste-Croix Inc  
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 Ford Meter Box Co Inc - Wabash  
 Foseco - Cleveland  
 Deeter Foundry Inc  
 Foseco - Highland  
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 Foundry Solutions & Design  
 Franklin Iron Works Inc  
 Frazer & Jones Co  
 Free Flow Technologies Ltd  
 Fresno Valves & Castings Inc  
 Friends Foundry Inc  
 Fritz Winter North America LP  
 G & W Electric Co - Blue Island  
 G & W Electric Co - Bolingbrook  
 Galesburg Castings Inc  
 Gartland Foundry Co  
 GE Additive  
 GE Cntr for Additive Tech Advancement  
 Gemini Inc - Cannon Falls  
 Gemini Inc - Decorah  
 Gemini Inc - Taylor  
 General Foundry Service Corp  
 General Kinematics Corp  
 General Motors - Bay City  
 General Motors - Bedford  
 General Motors - Defiance  
 General Motors - Flint  
 General Motors - Indianapolis  
 General Motors - Lansing  
 General Motors - Pontiac  
 General Motors - Romulus  
 General Motors - Saginaw  
 General Motors - Spring Hill  
 General Motors - Toledo  
 General Motors - Warren  
 General Motors - Ypsilanti  
 General Motors de Mexico S A de C V - Toluca  
 General Motors Fairfax  
 General Motors of Canada Ltd  
 GL&V  
 Goldens' Foundry & Machine Co - Columbus  
 Goldens' Foundry & Machine Co - Cordele  
 Graham-White Mfg Co  
 Great Lakes Castings LLC  
 Green Packaging Inc  
 GreenSand Controls Inc

Griffin Industries Corp  
 GrindMaster Equipment and Machines USA LLC  
 Guardian Software Systems Inc  
 Gudgeon Thermfire Intl Inc  
 H Kramer & Co  
 HA International LLC - Toledo  
 HA International LLC - Westmont  
 Haley & Aldrich - Ann Arbor  
 Haley & Aldrich - Conyers  
 Haley & Aldrich - Greenville  
 Harmony Castings LLC  
 Harry H Reich Co  
 Hayakawa USA Corp  
 Henry Perkins Co  
 Henry Pratt Co  
 Henschel Andromat Inc  
 Heraeus Electro-Nite Canada Ltd  
 Heraeus Electro-Nite Co - Langhorne  
 Heraeus Electro-Nite Co - Loveland  
 Heraeus Electro-Nite Co - Yardley  
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 Hickman Williams & Co - Cicero  
 Hickman Williams & Co - Cranberry Township  
 Hickman Williams & Co - Fontana  
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 Hickman Williams & Co - LaPorte  
 Hickman Williams & Co - Monroe  
 Hickman Williams & Co - Oak Brook  
 Hickman Williams & Co - Plymouth  
 Hickman Williams Canada Inc  
 High Temperature Systems Inc  
 Hiler Industries  
 Hiler Industries (Kingsbury Cstg Div)  
 Hitachi Hi-Tech Analytical Science  
 Hitachi Metals America Ltd  
 Hitachi Metals Automotive Components USA LLC  
 Hitech Shapes & Designs  
 Hi-Vac  
 Hodge Foundry  
 Hoosier Pattern Inc  
 Howell Foundry LLC  
 HS Group HR Inc  
 Hsin Lien Machinery Parts Co Ltd  
 Humtown Products  
 Hunter Foundry Machinery Corp  
 Hygieneering Inc  
 I Schumann & Co  
 I Sq R Power-Cable Co  
 ID Castings LLC  
 IMERYS - Birmingham  
 IMERYS - Cincinnati  
 IMERYS - Niagara Falls  
 IMERYS - Roswell  
 IMERYS - Waterloo  
 Impact NDT LLC  
 Indquip Co LLC  
 Induction Iron Inc  
 Inductotherm Corp - Pico Rivera  
 Inductotherm Corp - Rancocas  
 Inductotherm Group Canda Ltd  
 Industrial Ceramic Products Inc  
 Industrial Metals Recycling  
 Industrias John Deere SA de CV - Santa Catarina  
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 International Thermal Systems  
 Interstate Castings  
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 J & L Precision Castings - Waukesha  
 J R Hoe & Sons Inc - Middlesboro  
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Jenkins Electric Co - Charlotte  
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 John Deere Co - East Moline  
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 John Deere Turf Care  
 Joy Mark Inc  
 Joyworks LLC  
 JuggBot 3D  
 Kansas Castings Inc  
 Kanthal Heating Systems  
 Kelly Foundry & Machine Co  
 Kenton Iron Products LLC  
 Keramida Inc  
 Key 3 Casting Co  
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 Kimura Foundry America Inc  
 King Tenter Corp  
 Kirsh Foundry Inc  
 Kloster Foundry Products  
 Knoebel & Associates  
 Kodiak Group  
 Kohler Co  
 Kurtz Bros Inc  
 Kurtz North America  
 Kuttner LLC  
 L A Aluminum Casting Corp  
 Laempe + Reich Corp  
 Lakeshore Sand Co  
 Larpin Metallurgical Service  
 Latrobe Foundry Machine & Supply Co  
 Lebanon Tool Co Inc  
 LeClaire Manufacturing Co  
 LECO Corporation  
 Lee Brass Co  
 Lemfco Inc  
 LeSueur Incorporated  
 Lethbridge Iron Works Co Ltd  
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 Liberty Pattern Company  
 Liberty Technology Co LLC  
 Ligon Industries LLC  
 Lindberg/MPH  
 Littlestown Foundry Inc  
 Lodge Mfg Co  
 Lodi Iron Works Inc  
 Louis Meskan Foundry Inc  
 Lou-Rich Inc  
 Lung Kee Metal Ltd  
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 Magaldi Technologies LLC - Salerno  
 Magma Foundry Technologies Inc - Schaumburg  
 Magneco/Metrel Inc - Addison  
 Manley Bros of Indiana Inc - Troy Grove  
 Marcellus Metalcasters Inc - Marcellus  
 Martin Engineering - Neponset  
 McConway & Torley LLC - Pittsburgh  
 McHenry Brass Inc - McHenry  
 McWane Inc - Anniston  
 McWane Inc - Birmingham  
 McWane Inc - Coshocton  
 McWane Inc - Elmira  
 McWane Inc - Oakland  
 McWane Inc - Oskaloosa  
 McWane Inc - Phillipsburg  
 McWane Inc - Provo  
 McWane Inc - Ste Croix  
 McWane Inc - Tyler  
 Meloon Foundries LLC

Mercer Forge Corporation  
 Meritor Inc - Fletcher  
 Meritor Inc - Franklin  
 Meritor Inc - Troy  
 Metal Technologies Inc  
 Metal Technologies Ravenna Ductile Iron Plant  
 Metal Technologies Three Rivers Gray Iron Plant  
 MetalTek International - Chattanooga  
 MetalTek International - Pevely  
 MetalTek International - Watertown  
 MetalTek International - Waukesha  
 MIA Manufacturing Inc  
 Michigan Pneumatic Tool Inc  
 Michigan Wheel Marine  
 Mid City Foundry Co - Grafton  
 Mid City Foundry Co - Milwaukee  
 Midland Manufacturing Co  
 Midvale Industries Inc - Montgomery  
 Midvale Industries Inc - Saint Louis  
 Midvale Industries Inc - Tulsa  
 Midwest Manufacturing & Logistics  
 Miller and Company  
 Minerals Technologies  
 Modern Equipment Co LLC  
 Monett Metals Inc  
 Morgan AM&T  
 Morgan Molten Metal Systems  
 Morris Bean & Co  
 Mossner  
 MPM Infosoft Pvt Ltd  
 Mueller Canada  
 Mueller Co - Albertville  
 Mueller Co - Chattanooga  
 Mueller Co - Decatur  
 Multi-Cast LLC  
 Naval Foundry & Propeller Center  
 Neenah Foundry Co  
 Neptune Technology Group Inc  
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 Osco Industries Inc - Portsmouth  
 Oshkosh Corporation  
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 Palmer Engineered Products  
 Palmer Foundry Inc  
 Palmer Maus North America Corp  
 Palmer Mfg & Supply Inc  
 Pangborn Corp - Birmingham  
 Pangborn Corp - Fairburn  
 Peerless Metal Powders & Abrasive  
 Perfect Patterns Inc  
 Perkins Engine Co Ltd  
 Perma-Cast Co  
 Peter E MacIer Assoc PLLC  
 Pier Foundry & Pattern Shop  
 Pillar Induction  
 Plymouth Foundry Inc  
 Poitras Foundry Ltd  
 Polylix Inc

Porter Warner Industries Inc - Arlington  
 Porter Warner Industries Inc - Birmingham  
 Porter Warner Industries Inc - Chattanooga  
 Porter Warner Industries Inc - Compton  
 Porter Warner Industries Inc - Houston  
 Porter Warner Industries Inc - Oakland  
 Porter Warner Industries Inc - Phoenix  
 Porter Warner Industries Inc - Richburg  
 Porter Warner Industries Inc - Tulsa  
 Powercast Mfg Inc  
 Precision Enterprises Inc/Duro Cast Inc  
 Precision Rail and Mfg Inc  
 Premier Aluminum LLC  
 PRL Industries Inc  
 Product Development & Analysis LLC  
 Production Pattern & Foundry Co  
 ProfitGuard LLC  
 Progress Rail, a Caterpillar Company  
 Prototype Casting Inc  
 Quad City Safety  
 Quality Castings Co  
 Quality Electric Steel Castings  
 Rassin Frenos SA de CV - Plymouth  
 Rassin Frenos SA de CV - San Martin Texmelucan  
 REFCOTEC Inc - Orrville  
 Regal Cast Inc - Lebanon  
 Reliability Concepts  
 Renaissance Manufacturing Group - Waukesha LLC  
 Resource Recovery Corp  
 Rheocast Co  
 Rice Industries Inc  
 Richmond Industries Inc  
 Rimrock Corp  
 Rio Tinto Alcan - Independence  
 Rio Tinto Alcan - Jonquiere  
 Rio Tinto Iron & Titanium Inc - Montreal  
 Rio Tinto Iron & Titanium Inc - Sorel-Tracy  
 Rio Tinto Iron & Titanium Inc - South Jordan  
 RJ Lee Group Inc  
 Roberts Sinto Corp  
 Roberts Sinto de Mexico  
 Robocasting Enterprises LLC  
 Rochester Metal Products Corp - Muncie  
 Rochester Metal Products Corp - Rochester  
 Rock Island Arsenal Joint Mfg & Tech Cntr (RIA-JMTC)  
 Rockford Foundries Inc  
 Rocky Mount Engine Plant  
 Rolls Royce Marine North America  
 Roloff Manufacturing Corp  
 Roman Manufacturing/Quality Brass  
 Ross Aluminum Castings LLC  
 RRTC Inc  
 Sandmold Systems Inc  
 Sandusky International Inc  
 Schaefer Furnaces Inc  
 Schust Engineering  
 Scott Sales Co  
 Seabee Cast Steel Foundry  
 Selee Corporation  
 Seneca Foundry Inc  
 Setco Automotive  
 Shandong Jingang New Materials Co Ltd - Houston  
 Shandong Jingang New Materials Co Ltd - Zouping  
 Sherpa Industries LLC  
 Shipston Aluminum Technologies Inc  
 Simpson Technologies Corp  
 SinterCast Inc - Naperville  
 SinterCast Ltd - Sunninghill Berkshire  
 Sintex Minerals & Services Inc  
 Sipi Metals Corp

Skat-Trak Inc  
 Sloan Valve Co - Augusta  
 Sloan Valve Co - Franklin Park  
 Smith & Richardson Mfg Inc  
 Smith Foundry Co  
 Snam Alloys Pvt Ltd  
 Solar Turbines Inc  
 Solex Thermal Science Inc  
 solidThinking Inc  
 Sotrem-Maltech  
 Southeastern Fdry Products & Fdry Coatings Inc  
 Southland Metals Inc - Maumelle  
 Southland Metals Inc - Mishawaka  
 Southland Metals Inc - Pryor  
 Southland Metals Inc - Roswell  
 Southland Metals Inc - Tomball  
 Southwest Steel Casting Co  
 SP Foundry  
 Specialty Castings LLC  
 Spectro Analytical Instruments  
 Spring City Electrical Mfg Co  
 Spuncast Inc  
 St Louis Precision Casting Co  
 St Marys Foundry Inc  
 St Paul Foundry  
 Stahl Specialty Co - Kingsville  
 Stahl Specialty Co - Warrensburg  
 Standard Alloys & Manufacturing  
 Star Pipe Products  
 Strato Inc  
 StrikoWestofen  
 Summit Foundry Systems  
 Superior Aluminum Alloys  
 Superior Aluminum Castings Inc  
 Superior Graphite Co  
 Supreme Cores Alabama  
 Supreme Cores of The Carolinas Inc  
 Swerea SWECAST  
 Synchro ERP Ltd - Austin  
 Synchro ERP Ltd - London  
 SYSCON Sensors  
 T H Mfg Co  
 Tampa Brass & Aluminum Corp  
 Taylor Foundry Co  
 TB Wood's Inc  
 TDJ Group Inc  
 TechniSand Inc  
 Tennetek Inc  
 Textron Defense Systems  
 Textron Inc  
 The AWC Company - Courtice  
 The AWC Company - Romeo  
 The Federal Metal Co  
 The Hill & Griffith Co - Cincinnati  
 The Hill & Griffith Co - Indianapolis  
 The Raymond Corporation  
 The Wasmer Company LLC  
 THORS eLearning Solutions  
 Tinker Omega Mfg LLC  
 Tonkawa Foundry Inc  
 Tooling & Equipment International  
 Torrance Casting Inc  
 Toscelik Granul Sanayi AS  
 Townley Foundry & Machine  
 TPI Arcade Inc - Arcade  
 TPI Arcade Inc - Harmony  
 TRC Companies Inc - Ann Arbor  
 TRC Companies Inc - Brookfield  
 TRC Companies Inc - Grand Ledge  
 TRC Companies Inc - Grand Rapids  
 TRC Companies Inc - Greenville  
 TRC Companies Inc - Nashville  
 TRC Environmental Corp - Cleveland  
 TRC Environmental Corp - Madison  
 Tromley Industrial Holdings Inc  
 Tyco Fire & Building Products  
 Tyler Pipe Co

U S Foundry & Mfg Co - Atlanta  
 U S Foundry & Mfg Co - Medley  
 U S Pipe & Foundry Co - Bessemer  
 U S Pipe & Foundry Co - Council Bluffs  
 U S Pipe & Foundry Co - Hoover  
 U S Pipe & Foundry Co - Lisle  
 U S Pipe & Foundry Co - Lynchburg  
 U S Pipe & Foundry Co - Union City  
 Ultraseal America Inc  
 United Brass Works Inc - Erie  
 United Brass Works Inc - Randleman  
 United Western Supply Co - Portland  
 United Western Supply Co - Seattle  
 Universal Electric Foundry Inc  
 Urick Ductile Solutions  
 Urschel Laboratories Inc  
 US Aluminum Castings  
 Van Hydraulics Inc  
 Verder Scientific Inc  
 Verichek Technical Services Inc  
 Vermont Castings  
 Versevo Inc  
 Victaulic Co of America - Alburts  
 Victaulic Co of America - Easton  
 Victaulic Co of America - Leland  
 Victaulic Co of Canada  
 Victaulic De Mexico S de RL de CV  
 Victaulic Technical Center  
 Viking Pump  
 Viking Technologies  
 Virginia Industries Inc  
 Viridis3D LLC  
 VJ Technologies Inc  
 Voestalpine Nortrak Inc  
 Voxeljet AG  
 Voxeljet America Inc  
 Voxeljet China Co Ltd  
 Vulcan Engineering Co Inc - Birmingham  
 Vulcan Engineering Co Inc - Helena  
 Wabash Castings  
 Ward Corporation  
 Ward Heat Treating  
 Ward Manufacturing LLC  
 Washburn Iron Works Inc  
 Washington Mills  
 Waterous Company  
 Watry Industries LLC  
 Waupaca Foundry Inc - Etowah  
 Waupaca Foundry Inc - Marinette  
 Waupaca Foundry Inc - Tell City  
 Waupaca Foundry Inc - Tioga  
 Waupaca Foundry Inc - Waupaca  
 Wear-Tek  
 Weatherly Casting & Machine Co  
 Weaver Materiel Service Inc  
 Webster Industries Inc  
 Weil McLain  
 Weir Pump and Valve Solutions, Inc  
 Wellman Dynamics  
 West Salisbury Fdry & Machine Co  
 Western Foundries Inc  
 Wexford Sand Co  
 WGB Industries Inc  
 WGS Global Services LLC - Flint  
 WGS Global Services LLC - Tell City  
 Wheelabrator Group - Burlington  
 Wheelabrator Group - Lagrange  
 Wheelabrator Group - Waukesha  
 Whibco Inc  
 William Goetz and Associates  
 Wirco Inc - Avilla  
 Wirco Inc - Champaign  
 Wisconsin Aluminum Foundry Co  
 Wisconsin Oven Corporation  
 Woodland/Alloy Casting Inc  
 Yamaha Marine Precision Propellers Inc  
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# AFS WELCOMES NEW CORPORATE MEMBERS



**Akron Porcelain & Plastics**



**Aluminum Foundry of Wisconsin LLC**  
ISO 9001 Certified

**Aluminum Foundry of Wisconsin LLC**



**Automation System & Design, Inc.**



**EESTECH Inc.**



**Free Flow Technologies Ltd.**



**GrindMaster Equipment and Machines USA LLC**



**Kanthal Heating Systems**



**New London Engineering**



**Reliability Concepts**



**Sherpa Industries**



**The Raymond Corporation**



**Wellman Dynamics**

## Business Intelligence and Technical Resources

- **Annual Economic Forecast** – No cost to Corporate Members
- **Technical & Management Webinars** – No cost to Corporate Members
- **World Foundry Organization Annual Census** – No cost to Corporate Members
- **Wage & Benefit Survey** – No cost to Participating Corporate Members
- **Member Connections**
- **International Journal of Metalcasting**

### Value

\$1,000  
\$250 each  
Priceless  
\$700  
\$40  
\$199

## Savings

- **Trade Show Exhibit Discounts**
- **In-Plant Training Discounts**
- **Books on Metalcasting**
- **Metalcasting Classroom Course Discounts**
- **Energy, Logistics, Casting Design & Insurance Savings**

### Value

\$ Hundreds  
\$2,000 to \$4,000  
50% Discount  
\$200/Student  
\$ Hundreds/Month

## Exclusive Benefit

- **E-Learning Company** – Wide Subscriptions – Corporate Members Only
- **Event Sponsorships** – Corporate Members Only
- **Referrals & Use of AFS Logo**

### Value

Priceless  
Great Visibility  
Leads & Credibility

## Sustainability for Your Company

- **Advocacy – Business Climate**
  - o Regulator Overreach
  - o Fair Trade Policy
  - o Infrastructure Investment
  - o Pro-manufacturing workforce development
- **Developing Leaders and Employees**
  - 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**

### Value

\$ 1 Million +

For more information, contact Ben Yates at  
800-537-4237 or [byates@afsinc.org](mailto:byates@afsinc.org).



Metalcasting students attending the College Industry Conference gather at the AFS booth on Nov. 15.

## AFS meets CIC

AFS staff met with the next generation of metalcasters at the Foundry Educational Foundation's College Industry Conference, Nov. 15-16 in Chicago.

The annual event attracts promising students at FEF schools who are looking for careers in metalcasting. Prospective employers meet with the students, many of whom come away with internships and job offers.

AFS was on hand to answer questions and network with students and professors. Andrew Rose of Penn State University also was presented with a scholarship from *Modern Casting* magazine.



This new, dynamic summit will advance your leadership savvy and engage your self-reflection. Anyone in the metalcasting industry who currently leads or has aspirations to lead the ever-changing workforce should leverage this learning opportunity for motivating talent, enhancing your culture, and identifying your own leadership gaps. This is the prime event for supervisors, HR professionals and all leadership levels in metalcasting.

REGISTER TODAY AT  
[WWW.AFSINC.ORG/2019MMDS](http://WWW.AFSINC.ORG/2019MMDS)

## AFS AROUND THE WORLD



TOP: AFS Chief Technical Services Officer Steve Robison discusses innovation at FundiExpo 2018 in Guadalajara, Mexico, Oct. 24-26. BOTTOM LEFT: Dr. Scott Giese (University of Northern Iowa), left, and AFS CEO Doug Kurkul meet at the World Foundry Congress General Assembly in Krakow, Poland, Sept. 23-27. BOTTOM RIGHT: AFS President Jean Bye (Dotson Iron Castings) delivers a speech at the World Foundry Summit in Rome, Italy, Nov. 8-9.

### WINS continued from Page 3

the society advocated for throughout the 115th Congress, and by AFS members at the 2018 AFS Government Affairs Fly-In in Washington, D.C.

"This bill is good for our infrastructure, good for jobs and good for U.S. metalcasters producing castings for these vital infrastructure and water projects," AFS CEO Doug Kurkul said.

OSHA provided clarity on its crystalline silica rule when it stated in early October that it will allow the use of

industrial sweepers not equipped with HEPA filters as long as employers follow other applicable requirements in the standard and maintain equipment in accordance with manufacturer recommendations. It is expected that OSHA also will encourage employers who are purchasing new industrial sweepers to buy sweepers equipped with HEPA filters.

For months, AFS and its attorney were in conversations with OSHA staff and attorneys to clarify the types of sweepers acceptable under the silica rule.





1695 N. Penny Lane  
Schaumburg, IL 60173-4555  
www.afsinc.org

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## AFS Events

Jan. 31 | **2019 Metalcasting Supply Chain Summit** | *Chicago, IL*

Feb. 7-8 | **AFS Metalcasting Management & Development Summit** | *Charleston, SC*

Feb. 19-20 | **Advanced Foundry Waste & Byproducts Seminar** | *AFS/Schaumburg, IL*

April 27-30 | **CastExpo 2019** | *Atlanta, GA*

June 11-12 | **2019 Government Affairs Fly-In** | *Washington, D.C.*

## Institute Courses

Jan. 15-16 | **Introduction to Metalcasting** | *AFS/Schaumburg, IL*

Jan. 29-30 | **Iron Melting 201** | *AFS/Schaumburg, IL*

Feb. 6-7 | **Gating & Riser Design 201** | *AFS/Schaumburg, IL*

Feb. 26-27 | **Improving the Effectiveness of Visual Inspection** | *AFS/Schaumburg, IL*

March 5-6 | **Green Sand Molding 201** | *AFS/Schaumburg, IL*

March 12-13 | **Iron Metallurgy 201** | *AFS/Schaumburg, IL*

**Advocate. Educate. Innovate.**

## 2018-2019 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, CEO, KB Foundry Services

### Immediate Past President

Patricio Gil, CEO,  
Blackhawk de Mexico

## AFS Senior Staff

### CEO

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

### Vice President of Business Development

Ben Yates, [byates@afsinc.org](mailto:byates@afsinc.org)

### Vice President of Education & Workforce Development

Clarence Trowbridge,  
[ctrowbridge@afsinc.org](mailto:ctrowbridge@afsinc.org)

### Chief Technical Services Officer

Steve Robison, [srobison@afsinc.org](mailto:srobison@afsinc.org)

### Vice President of Marketing & Communications

Richard Jefferson,  
[rjefferson@afsinc.org](mailto:rjefferson@afsinc.org)

### Vice President of IT & Operations

Mike Lakas, [mlakas@afsinc.org](mailto:mlakas@afsinc.org)

### Director of Accounting & Finance

Peggy Mennella, [pmennella@afsinc.org](mailto:pmennella@afsinc.org)

### Director of Human Resources & Administrative Services

Cathy Potts, [cpotts@afsinc.org](mailto:cpotts@afsinc.org)

## Member Connections Staff

### Editor & Writer

Katelyn Stanek, [kstanek@afsinc.org](mailto:kstanek@afsinc.org)

### Writer & Public Relations Specialist

Joe Costin, [jcostin@afsinc.org](mailto:jcostin@afsinc.org)

### Senior Graphic Designer

Tyler Buchenot, [tbuchenot@afsinc.org](mailto:tbuchenot@afsinc.org)

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