This section is a compilation from various company press releases, business dailies, trade publications and Industry Websites.

AFS Project Data Being Presented for Inclusion in Handbook For Castings

Data from a five-year, $1 million project from the American Foundry Society is being presented this week for inclusion in the Metallic Materials Properties Development and Standardization (MMPDS) handbook.

The project, funded by the American Metalcasting Consortium, involved testing two investment cast steel alloys (17-4 and 15-5) in three different heat treatment tempers and validating the strength and mechanical properties though a rigorous testing protocol. Acceptance into the MMPDS handbook, the official military and aerospace handbook for materials, would open the door for these alloys to be used to design and manufacture flight-critical components in military and civilian aircraft.

Fourteen investment casting foundries participated in this project by producing the castings at their own cost. AFS managed and used the AMC funds to pay for wax pattern production, heat treating, x-ray inspection and testing. If accepted, these will be the third and fourth alloys AFS will have had accepted into the MMPDS handbook.

AMC – comprised of metalcasting industry experts, technical associations, and leading research universities, receives funding through the U.S. Department of Defense and the Defense Logistics Agency. This strengthens ties between the DOD and the metalcasting industry to improve infrastructure and information-sharing for reduced lead times, improved quality, and lower costs in the procurement of castings for military vehicles and other defense needs.

Lodge Cast Iron Donates to Victims of Tennessee Fire

Lodge Cast Iron (South Pittsburg, Tennessee) donated $111,990 to the Dollywood Foundation’s My People Fund. According to a news release, the money was raised from a sale of the limited-edition 2016 Great Smoky Mountains cast iron skillet, with proceeds going to My People Fund that aids people affected by last year’s Tennessee wildfires.

The release says the skillets were on sale for $30 each, and half was donated to My People. Lodge annually creates a skillet with a Great Smoky Mountains logo and sells it at its two factory stores. This year, because of the November fire in Gatlinburg, the company also made the skillet available on its website and donate half of the sales directly to the My People Fund.

Henry Lodge, CEO, and employee Dick Reeves, who lost his home to the fire, presented the check to David Dotson, who serves as president of the Dollywood Foundation.

“We are extremely grateful for the support everyone has shown for this initiative, and we are humbled to be able to play a small role to help the families who need it most,” the company said in a news release.

Topeka Foundry & Iron Works Purchased by Haas Metal Engineering

According to a report Topeka Foundry & Iron Works (Topeka, Kansas) was purchased by Haas Metal Engineering (Topeka, Kansas).

The report said TFI will do business under its name. According to sources the companies will collaborate on steel fabrication in an effort to enhance production.

“We believe the acquisition will magnify the strengths of both companies, allowing us to better achieve success together, than what we can do apart,” Jon Haas, owner, HME Inc said.

Technology Contest Winners Announced at Metalcasting Congress

Two students shared first prize in the 2018 AFS/FEF Student Technology Contest at the 122nd Metalcasting Congress in Fort Worth, Texas, April 4.

Trevor Constance from Missouri University of Science & Technology and David Sánchez from Instituto Tecnológico de Saltillo were named co-winners of the annual competition, which required students to create digital posters of their metalcasting research and present their projects at Congress.

Constance’s submission was “Understanding the Role of Mo on Kappa Carbide Precipitation and Fracture of Lightweight Advanced High Strength Steels.” Sánchez’s work was “Thermal Analysis: A Tool for Inoculation and Quality Control of Ductile Iron.”

the Student Technology Contest judges entries on technical content, relevance, innovation and presentation. Constance and Sánchez will share the scholarship awarded to the winners.

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