

ForCAST

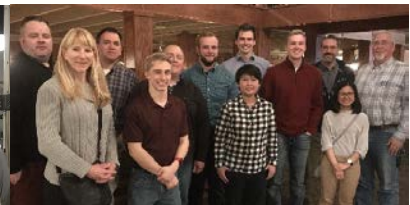


The Newsletter of the American Metalcasting Consortium

Winter 2019

AMC Visits Iowa Universities

On March 5-8, 2019, research reviews with Dr. Christoph Beckermann at the University of Iowa (UI), Dr. Frank Peters at Iowa State University (ISU), and Jerry Thiel at the University of Northern Iowa (UNI) were conducted by AMC Program Manager Jenny Swygert, Alion Science Project Manager Ben Clinton, SFSA VP of Technology Dave Poweleit, SFSA Director of Programs and Services Ryan Moore, and SFSA Research Manager Diana David.



UI is modeling reoxidation and inclusions in steel castings by quantifying air entrainment, a major source of oxide inclusions. ISU is continuing work on developing a digital standard for surface quality inspection of steel castings. And, UNI is taking the lead on assessing the readiness and capabilities of foundries in producing castings using additive manufacturing tooling.

Die Casting Collaborators Convene for CIVS, NADCA R&D Reviews

Collaborators on the “High-Pressure Die Casting Process Simulation Development for the Shop Floor” project gathered at Purdue Northwest’s Center for Innovation through Visualization and Simulation (CIVS) and at the Arlington Heights, Ill. NADCA R&D Committee Meeting on February 5 and 7, 2019. The objectives of these events were to gain insight on die casting machine simulator schematics and “interactivity,” discuss training scenarios, and consider preferred output platforms. Attending were AMC Executive Director Thornton White, Jenny Swygert, NADCA Project Manager Beau Glim, CIVS Senior Research Scientist Jack Moreland, and CIVS Director Dr. Chenn Zhou.



AMC Represented at 2018 Defense Manufacturing Conference (DMC)

AMC was well represented as part of the Defense Logistics Agency (DLA) exhibit at the Defense Manufacturing Conference 2018 held at the Music City Center, Nashville, TN, December 3-6, 2018. The conference was attended by government and industry representatives, showcasing the latest in manufacturing processes in support of military weapons systems. DMC is of great benefit to AMC as it provides a forum for technology exchange among customers and partners.



AMC
AMERICAN METALCASTING CONSORTIUM

Visit AMC at Booth # 847 at CASTEXPO 2019
Georgia World Congress Center
Atlanta, GA
April 27-30, 2019

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For more information about AMC go to: <https://amc.ati.org> or call 843-760-3483.

This AMC project is sponsored by the DLA Troop Support, Philadelphia, PA and the Defense Logistics Agency Research & Development (R&D) Office, Ft. Belvoir, VA.

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