ForCAST

The Newsletter of the American Metalcasting Consortium

Winter 2023

CAST-IT Team Welcomes Greg Sprouse

AMC would like to welcome Greg Sprouse to CAST-IT. Greg is a retired U.S. Air Force Master Sergeant in Material Management. Additionally, Greg retired from DLA Aviation in 2019 after 35 years of serving in Technical Operations, Quality Directorate, HQ DLA and lastly as Nuclear Operations Weapon Systems Program Manager. A native of Richmond, Virginia, Greg will be providing CAST-IT support to DLA Aviation.

First Group of AMC Innovative Casting Technologies (ICT) Projects Completed

The following AMC ICT projects were recently completed:

- Properties versus Section Thickness for Specifications and Standards (NADCA)
- Rapid Production Using Additive Manufacturing (University of Northern Iowa)
- Integration of ICME Tools in Casting Design and Process Optimization for Intelligent Manufacturing (AFS)
- Cast Metal-Ceramic Composite Lattice Structures for Lightweight, Energy Absorbing and/or Penetration Resistant Applications (Virginia Tech)
- Digital Standard for Surface Quality Inspection (Iowa State University)
- Intensive Quenching to Produce High Performance Cast Parts (Missouri University of Science & Technology)
- High Pressure Die Casting Process Modeling and Simulation Development for the Shop Floor (Purdue University Northwest)
- Business Case Analyses for ICT Task Orders 1, 2, and 3: (BCS, Inc.)

Upcoming Events

AFS Metalcasting Congress 2023

Be sure to visit AMC at booth 746 at the 2023 Metalcasting Congress, sponsored by the American Foundry Society (AFS) and attend technical sessions involving AMC R&D projects. The event is scheduled for April 25-27, 2023 at the Huntington Convention Center, Cleveland, Ohio.

AMC
AMERICAN METALCASTING CONSORTIUM

For more information about AMC go to https://amc.ati.org

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Research and events are sponsored by the Defense Logistics Agency Information Operations, J68, Research & Development Office, Ft. Belvoir, VA. and the DLA Troop Support, Philadelphia, PA.