AFS Annual Research Review Webinar

February 23, 2021; 1:00 – 2:30pm central

**Tuesday 2-23-21**

1. House Keeping Items/ Introductions (**1:00)** Bo Wallace
2. Research Overview Steve Robison
   1. List of on-going projects
3. Projects to Highlight
   1. Project 17-18#08: *Powered Industrial Sweeper Crystalline Silica Exposure Study*…… (Brent Charlton)
      * Won Applied Research Award in 2020
4. Research Review
   1. Ultrasonic Cavitation Based Dispersion for Nano-Composites Castings…….Dave Weiss, Eck Industries
   2. 17-18#07: Welding Alloy and Process for Al-Cu Sand Casting……………………Dave Weiss, Eck Industries
   3. Project 18-19#03: *Determining the Effects of Boron in Gray Iron* Laura Bartlett, MS&T
   4. Project 19-20#02: *Effect of Ceramic Sand on Cast Iron Mechanical Properties* Scott Giese, UNI
5. Upcoming Projects
   1. 19-20#14: Dimensional Tolerance Assessment Using 3D Printed Sand Casting Process
   2. 20-21#01: Iron Casting Life Cycle Analysis
6. Webinar concludes (**2:30)**