ACRC SPRING VIRTUAL MEETING  
JUNE 2-4, 2020

Board of Directors Meeting:  Thursday May 28, 2:00-5:00 p.m. EST

CONSORTIUM SPRING MEETING

Tuesday, June 2, 2020
8:30-10:30  Welcome and Board Presentation on the Future of the ACRC

10:30 a.m. – 12:30 EDT  Focus Group Sessions

10:30 EDT  FEA Correlation of 3D Scanned Model of Cast Porosity
   Carl Soderhjelm and Shiguang Deng
   Randy Beals and Vijay Alreja, FG Co-Chairs

11:30 EDT  Non-Heat Treat Structural Alloy & Improving Die Casting Capability of 518 Al
   Connor Lemay, Yu Zhong, and Diran Apelian
   Jim Evangelista and John Jiang FG Co-Chairs

12:30 p.m. EDT  Adjourn - Day 1

Wednesday, June 3, 2020
9:00 a.m. EDT - Focus Group Sessions Continued
9:00 EDT  Heat Transfer Coefficient Variation in Permanent Molding
   Shadi Darvish and Diran Apelian
   Rod Riek, FG Chair

10:00 EDT  Big Data Projects
   ▪ Knowledge Creation via Data Analytics in a High-Pressure Die-Casting Operation
   ▪ Assessment and Enhancement of Metal Casting Process via Statistical Learning
     Rasika Karkare, Adam Kopper, Randy Paffenroth, Diran Apelian
     Dave Furrer, FG Chair

11:00 EDT  Innovative Heat Treat Methods for Al Castings
   Diran Apelian, Libo Wang, Shadi Darvish
   Hal Gerber and Jared Burris - FG Chairs

12:00 noon  Adjourn - Day 2
Thursday, June 4, 2020
10 am EDT  Summary and Debrief by Focus Group Chairs (Chaired by Randy Beals)

- **FEA Correlation of 3D Scanned Model of Cast Porosity**
  Randy Beals and Vijay Alreja

- **Non-Heat Treat Structural Alloy & Improving Die Casting Capability of 518 Al**
  John Jiang and Jim Evangelista

- **Heat Transfer Coefficient Variation in Permanent Molding**
  Rod Riek

- **Big Data Projects**
  Dave Furrer

- **Innovative Heat Treat Methods for Al Castings**
  Hal Gerber and Jared Burris

- **Summary of Next Steps; Prep for December Meeting; etc.**
  Randy Beals and Diran Apelian

12:00 noon  Adjourn