THE ADVANCED CASTING RESEARCH CENTER
GENERAL MEETING

December 1-2, 2009
Higgins Labs, Room 102

AGENDA

TUESDAY, DECEMBER 1, 2009

6:30 p.m. Reception & Dinner
Higgins House, WPI

WEDNESDAY, DECEMBER 2, 2009

Registration
Higgins Labs, Room 102
8:00 a.m. Welcome and Update on MPI Developments
Diran Apelian, Director, MPI
8:15 a.m. Update from ACRC Steering Committee
John Jorstad, Director-at-Large, ACRC
8:30 a.m. Overview of the ACRC Research Portfolio
Makhlouf Makhlouf, Director, ACRC
8:45 a.m. Friction Stir Processing of Aluminum Cast Alloys for High Performance Applications
Ning Sun
9:30 a.m. Predicting the Response of Aluminum Alloys to Heat Treatment
Lance Wu

10:15 a.m. Break

10:30 a.m. Aluminum Nano-Composites for Elevated Temperature Applications
Cecilia Borgonovo
11:00 a.m. Processing Routes for Aluminum Based Nano-Composites
Hao Yu
11:30 a.m. Aluminum Die Casting Alloys (DLA-AMC)
Libo Wang
11:45 a.m.  Innovative Semi-Solid Processing (DOE)  
Diran Apelian

12:00 p.m.  HyperCAST – Vehicle Energy Efficiency via SHS Composite Cast Components (DOE)  
Makhlouf Makhlouf

12:30 p.m.  Lunch – *Goat’s Head Pub, Founder’s Hall*

1:30 p.m.  Break into Focus Group Meetings

1:30 – 2:30 p.m.  Friction Stir Processing of Al Cast Alloys  
*Higgins Labs, Room 102*  (D. Apelian)

1:30 – 2:30 p.m.  Predicting the Response of Aluminum Alloys to Heat Treatment  
*Morgan Room*  (M. Makhlouf)

2:45 – 3:45 p.m.  Aluminum Die Casting Alloys/ HyperCAST  
*Morgan Room*  (M. Makhlouf)

2:45 – 3:45 p.m.  Aluminum Nano-Composites for Elevated Temperature Applications  
*Higgins Labs, Room 102*  (D. Apelian)

4:00 – 5:00 p.m.  Report Back by All Focus Groups  *Higgins Labs, Room 102*

- Friction Stir Processing of Aluminum Cast Alloys for High Performance Applications
- Predicting the Response of Aluminum Alloys to Heat Treatment
- Aluminum Nano-Composites for Elevated Temperature Applications
- Aluminum Die Casting Alloys / HyperCAST

5:00 p.m.  Adjourn