

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 (in Campus Center)**
- 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**
-