ACRC FALL MEETING
December 6-7, 2006
WPI Campus Center, Odeum A

AGENDA

WEDNESDAY, DECEMBER 6, 2006

7:45 a.m.  Registration

8:00 a.m.  Welcome and Update on MPI Developments
            D. Apelian, Director MPI

            Update from ACRC Steering Committee
            P. Meyer, Chair ACRC Steering Committee

8:25 a.m.  Introduction of New Members and Guests
            J. Jorstad, ACRC Director-at-Large

8:30 a.m.  Overview of ACRC Research Portfolio
            M. Makhlouf, Director ACRC

8:45 a.m.  Effect of Mold Vibration on the Performance and Casting
            Characteristics of Aluminum Alloys  M. Makhlouf

9:30 a.m.  Fatigue Performance of Fluidized Bed Heat Treated
            Castings  S. Chaudhury

10:15 a.m.  Break

10:30 a.m.  Improving Aluminum Casting Alloy and Process
            Competitiveness
            M. Makhlouf

11:00 a.m.  Characterization of Alloy Castability – Fluidity and
            Hot tearing
            B. Dewhirst and S. Li

11:40 a.m.  Industrial Internship Program:
            –  Die Soldering – SPX-Contech
                P. Hogan
            –  Recycling Technologies – wTe
                L. Duren

12:00 p.m.  Lunch  -  Odeum B (Campus Center)
            After lunch return to Odeum A
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tr>
<td>1:15 p.m.</td>
<td>Commercially Viable, Low-Cost and Energy Efficient Processing of Semi Solid Aluminum Alloys</td>
<td>Q. Pan</td>
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<td>2:00 p.m.</td>
<td>High Integrity Magnesium Auto Castings</td>
<td>Q. Pan</td>
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<td>2:15 p.m.</td>
<td>Controlled Diffusion Solidification – Fundamentals and Mechanism</td>
<td>K. Symeonidis</td>
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<td>2:30 p.m.</td>
<td>Adjourn</td>
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**Break Into Focus Group Meetings (in Campus Center)**

2:40 – 4:00 p.m. Improving Aluminum Casting Alloy and Process Competitiveness  *Morgan Room* (M. Makhlouf)

2:40 – 4:00 p.m. Fatigue Performance of Fluidized Bed Heat Treated Castings  *Chairman’s Room* (D. Apelian)

4:15 – 5:45 p.m. Effect of Mold Vibration on the Performance and Casting Characteristics of Aluminum Alloys  *Morgan Room* (M. Makhlouf)

4:15 – 5:45 p.m. Characterization of Alloy Castability – Fluidity and Hot Tearing  *Chairman’s Room* (D. Apelian)

6:30 – 9:30 p.m. Reception and Dinner at Hilton Garden Inn

*Hilton Garden Inn*

35 Major Taylor Blvd.
*(formerly Worcester Center Blvd.)*

Worcester, MA (508) 753-5700
*(See Directions attached)*
THURSDAY, DECEMBER 7, 2006

7:30 a.m.  Continental Breakfast  Outside Mid-Century Room

SSM Focus Group Meeting

8:00 – 9:00 a.m.  Commercially Viable, Low-Cost and Energy Efficient Processing of Semi Solid Aluminum Alloys (SSM Project)  Mid-Century
S. Udvardy (Chair)
Q. Pan, D. Apelian, M. Makhlouf

9:15 - 11:00 a.m.  Report Back by All Focus Groups  Hagglund Room

- Improving Aluminum Casting Alloy and Process Competitiveness
- Fatigue Performance of Fluidized Bed Heat Treated Castings
- Effect of Mold Vibration on the Performance and Casting Characteristics of Aluminum Alloys
- Characterization of Alloy Castability – Fluidity and Hot Tearing
- Commercially Viable, Low-Cost and Energy Efficient Processing of Semi Solid Aluminum Alloys (SSM Project)

11:00-12:00  Consortium Open Discussion

- Project Selection – Ideas and comments
- Strategic Planning Recommendations

12 noon  ADJOURN
Directions to Hilton Garden Inn, 35 Major Taylor Blvd., Worcester, MA. (508) 753-5700

Go down Highland Street to Major Taylor Blvd. (formerly Worcester Center Blvd.) Make a right at the light. Take a left onto Central Street and immediately take another left into the DCU Parking Garage. The Hilton Garden Hotel is located directly across the street from the parking garage. Dinner will be held on the second floor banquet area.