THE ADVANCED CASTING RESEARCH CENTER  
WINTER MEETING  
December 1-2, 2004  
WPI Campus Center – Odeum A  
AGENDA  

WEDNESDAY, DECEMBER 1, 2004  

7:45 a.m. Registration and Continental Breakfast  
8:00 a.m. Welcome and Update on MPI Developments  
D. Apelian, Director MPI  
Update from ACRC Steering Committee  
N. Tsumagari, Chair ACRC Steering Committee  
8:15 a.m. Introduction of New Members and Guests  
J. Jorstad, ACRC Director  
8:30 a.m. Overview of ACRC Research Portfolio  
M. Makhlouf, Director ACRC  
8:45 a.m. Evolution of the Eutectic Microstructure in Aluminum-Silicon Casting Alloys  
S. Shankar  
9:30 a.m. Non-Destructive Evaluation of Aluminum Alloy Castings  
J. Slater  
10:15 a.m. Break  
10:30 a.m. Microstructure Evolution in Magnesium Cast Alloys  
Y. Riddle  
11:00 a.m. Optimization of Heat Treatment Using Fluidized Bed Reactors  
S. Chaudhury  
11:40 a.m. Review of GM Virtual Casting Project  
D. Apelian, Q. Wang  
12:00 p.m. Lunch - Higgins House Great Hall  
1:00 p.m. Slurry-Ready SSM: Optimization of the CRP (Continuous Rheoconversion Process)  
B.J. Bernard  
1:25 p.m. SSM Alloy Development  
Q. Pan
1:50 p.m. Optimization of Heat Treatment for SSM  
B. Dewhirst

2:15 p.m. Break Into Focus Groups

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**ACRC FOCUS GROUP MEETINGS**

2:30 – 4:00 p.m. Non-Destructive Evaluation of Aluminum Alloy Castings  
Morgan Room  
J. Slater, D. Apelian

2:30 – 4:00 p.m. Evolution of the Eutectic Microstructure  
Morgan Room  
Aluminum-Silicon Casting Alloys  
R. Donahue (Chair)  
S. Shankar, M. Makhlouf

4:15 – 5:45 p.m. Al Alloy Development  
Chairman’s Room  
L. Wang, M. Makhlouf

4:15 – 5:45 p.m. Optimization of Heat Treatment Using Fluidized Bed Reactors  
Chairman’s Room  
B. DasGupta (Chair)  
S. Chaudhury, D. Apelian

6:30 p.m. Reception & Dinner  
Worcester Art Museum  
55 Salisbury Street  
Worcester, MA