Tuesday, June 3, 2014

8:30 – 10:30 a.m.  ACRC Steering Committee Meeting
                   Chairman’s Room, Campus Center

11:00 – 1:00 p.m.  CHTE Board Members Meeting
                   Chairman’s Room, Campus Center

11:00 -12:00 p.m.  ACRC Steering Committee Members: Presentation on Alloy Design
                   & Cold Spray Technology - ARL Program by Dr. Danielle Belsito
                   followed by lunch (12:00 – 1:00 p.m.) with ACRC Graduate
                   Students and Research Staff
                   Mid-Century Room, Campus Center

1:30 p.m.  Registration
           Odeum A, Campus Center

2:00 p.m.  Welcome – D. Apelian

      Opening Remarks from ACRC Chair – K. Anderson
      Opening Remarks from CHTE Chair – M. Pershing

2:30 p.m.  Dean’s Remarks – D. Cyganski

2:45 p.m.  Overview of the ACRC Research Portfolio – M. M. Makhlouf
      Overview of the CHTE Research Portfolio – R. D. Sisson

3:15 p.m.  Break

3:30 – 5:30 p.m.  Project Presentations for ACRC and CHTE

PLEASE NOTE:
Combined Meetings are in black
Items in blue refer to ACRC meetings
Items in green refer to CHTE meetings
ACRC Project Presentations – Odeum A

3:30 p.m.  Clean Aluminum Processing  
            **S. Hudson, D. Apelian**

4:00 p.m.  Aluminum Nano-Composites for Elevated Temperature Applications  
            **I. Anza, M. M. Makhlouf**

4:30 p.m.  Alternative Eutectic Systems for Aluminum Casting Alloys  
            **T. Koutsoukis, M. M. Makhlouf**

5:00 p.m.  Dissimilar Metal Casting  
            **C. Soderhjelm, D. Apelian**

CHTE Project Presentations – Hagglund Room

3:30 p.m.  NDT Testing for Hardness & Carburization Case Depth  
            **L. Zhang, R. D. Sisson**

3:50 p.m.  Life Improvements to Alloys and Fixtures  
            **A. Wang, R. D. Sisson**

4:10 p.m.  Gas Quench Steel Hardenability Standard  
            **Y. Lu, R. D. Sisson, K. Rong**

4:30 p.m.  Induction Tempering  
            **X. Cai, R. D. Sisson**

4:50 p.m.  Tempering Carburized and Through Hardening Steels (WPI MQP project)  
            X. Cai, S. Shrestha, N. Holman, K. Paklin, R. D. Sisson

5:10 pm  Cold Spray Nanomaterials by Design (ARL project)  
            **D. Belsito, B. McNally, L. Bassett, A. Birt, D. Apelian, R. D. Sisson**

6:00 p.m.  *Lobster Bake*  
            Under the tent on the WPI Quad
Wednesday, June 4, 2014

8:00 a.m.  Breakfast
Odeum A

8:30 a.m.  Industry Presentations
DANTE Solutions – Andrew Freborg
Montupet – Denis Massinon

9:30 – 11:00 a.m. Focus Groups – Session A

| ACRC         | Aluminum Nano Composites for Elevated Temperature Applications  
|             | I. Anza and M. M. Makhlouf  
|             | Mid-Century Room  
|             | Clean Aluminum Processing  
|             | S. Hudson and D. Apelian  
|             | Odeum A  
| CHTE         | NDT Testing for Hardness and Carburization Case Depth  
|             | L. Zhang and R. D. Sisson  
|             | Chairman’s Room  
|             | Improvements to Life of Alloys and Fixtures  
|             | A. Wang and R. D. Sisson  
|             | Taylor Room  

11:00 – 12:30 p.m. Focus Groups – Session B

| ACRC         | Alternative Eutectic Systems for Aluminum Casting Alloys  
|             | T. Koutsoukis and M. M. Makhlouf  
|             | Mid-Century Room, Campus Center  
|             | Dissimilar Metal Casting  
|             | C. Soderhjelm, D. Apelian  
|             | Odeum A  
| CHTE         | Induction Tempering  
|             | X. Cai, A. Wang, and R. D. Sisson  
|             | Chairman’s Room  
|             | Gas Quench Steel Hardenability Standard  
|             | Y. Lu, R.D. Sisson and K. Rong  
|             | Taylor Room  

12:30 p.m.  Debrief with Focus Group Chairs Over Lunch
Odeum C

2:30 p.m.  Adjourn