METAL PROCESSING INSTITUTE
ACRC+CHTE SPRING MEETING AGENDA
June 14-15, 2016

AGENDA

Tuesday, June 14, 2016

12:30 p.m.  Registration
            *Odeum A & B, Campus Center*

1:15 p.m.   Opening of Spring Meeting
            Welcome – D. Apelian
            Opening Remarks from ACRC Chair – K. Anderson
            Opening Remarks from CHTE Chair – S. Ferdon

2:00 p.m.   Industry Presentations
            R. Hathaway, Oshkosh Corporation
            D. Shashkov, H.C. Starck

2:40 p.m.   Overviews of Research Portfolios
            ACRC – D. Apelian
            CHTE – R.D. Sisson
            CR3 – B. Mishra

3:30 - 3:50 p.m.  Break

4:00 – 6:00 p.m.  Funded Project Updates and Focus Group Meetings

            **ACRC – Odeum A & B**

4:00 p.m.   A: Dissimilar Metal Casting
            *C. Soderhjelm, D. Apelian*

4:30 p.m.   B: 60/40/10 Cast Al Alloy
            *Y. Fan, D. Apelian*

5:00 p.m.   Focus Group Sessions

            A: Dissimilar Metal Casting – Odeum A & B
            *L. Zhang - Chair*

            B: 60/40/10 Cast Al Alloy- Chairmans Room
            *R. Hathaway – Chair*

PLEASE NOTE:
Combined Meetings are in black
*Items in blue refer to ACRC meetings*
*Items in green refer to CHTE meetings*
6:00 p.m.  Adjourn

**CHTE – Hagglund Room**

4:00 p.m.  A: NDT Testing for Hardness & Carburization Case Depth  
*L. Zhang, R.D. Sisson*

4:30 p.m.  B: Life Improvements to Alloys and Fixtures  
*A. Wang, R.D. Sisson*

5:00 p.m.  **Focus Group Session** – Hagglund Room

A: NDT Testing for Hardness & Carburization Case Depth  
*H. Guthy, Chair*

B: Life Improvements to Alloys and Fixtures  
*B. J. Bernard, Chair*

6:00 p.m.  Adjourn

6:30 p.m.  **Reception & Dinner**  
*Great Hall, Higgins House, WPI Campus*

---

**Wednesday, June 15, 2016**

8:00 a.m.  **Breakfast**  
*Lobby area outside of Odeum A & B*

**ACRC Funded Project Updates and Focus Groups Continued – Odeum A & B**

8:30 a.m.  C: Clean Aluminum Processing (FINAL)  
*S. Hudson, D. Apelian*

9:00 a.m.  D: Aluminum Nano-Composites for Elevated Temperature Applications (FINAL)  
*I. Anza, M. M. Makhlof*

9:30 a.m.  E: Residual Stress in Al Casting  
*E. Lee, B. Mishra*

10:00 a.m.  **Break**
10:30 a.m.    **Focus Group Sessions**

C: Clean Aluminum Processing - Odeum A & B  
   *K. Anderson- Chair*

D: Aluminum Nano-Composites – Mid-Century Room  
   *D. Weiss- Chair*

E: Residual Stress in Al Casting – Chairmans Room  
   *TBD - Chair*

**CHTE Funded Project Updates and Focus Groups Continued – Hagglund Room**

8:30 a.m.    C: Induction Tempering vs. Furnace Tempering  
              *X. Cai, R.D. Sisson*

9:10 a.m.    D: Gas Quench Steel Hardenability Standard  
              *Y. Lu, R.D. Sisson*

9:30 a.m.    E. Distortion and Residual Stress  
              *H. Yu, R. D. Sisson*

10:00 a.m.  **Break**

10:30 a.m.  **Focus Group Sessions** - Hagglund Room

C: Induction Tempering vs. Furnace Tempering  
   *L. Frame – Chair*

D: Gas Quench Steel Hardenability Standard  
   *M. Pershing- Chair*

E. Distortion and Residual Stress  
   *D. Furrer - Chair*

12:00 – 12:45 p.m.  **Lunch – Odeum C**

12:45 - 1:30 p.m.  **Henry Cialone – CEO of EWI – Odeum C**  
                   “The Innovation Economy and the Power of Collaboration”

1:30 p.m.  **Dean Hoffmann – Regional General Manager, Bodycote**  
           Bodycote Best Paper Award Presentation

2:00 – 2:45 p.m.  **Tours and Continued Discussions on Projects**

3:00 p.m.  **Adjourn**