**NSF I/UCRC CR3 Industry Advisory Board Meeting**

October 17-18, 2018

Worcester Polytechnic Institute

Rubin Campus Center

**Wednesday, October 17, 2018**

**8:00 a.m. Registration and Breakfast**

***Odeum A&B***

Getting On-Line - Life Forms

**8:45 a.m. Opening Remarks – *Odeum A & B***

*B. Mishra*

Opening Remarks: IAB

*M. Bauer*

CR3 NSF Assessment Coordinator’s Update

*S. Shipp*

CR3 Updates

*B. Mishra*

**9:15 a.m. Funded Project Updates – *Odeum A & B***

9:15 a.m. A: Innovative Refining Technologies for Sb Recovery (Final) (WPI)

*Q. Wang, Y. Wang*

9:35 a.m. B: Waste Water Treatment Sludge & High Value Grinding Swarf Recycling (Final) (WPI)

*H. Lee, B. Mishra*

**9:55 a.m. Coffee Break**

**10:15 a.m. Focus Group Sessions for A & B – Two parallel sessions**

A: Innovative Refining Technologies for Sb Recovery (Umicore)

***Mid-Century Room***

B: Waste Water Treatment Sludge & High Value Grinding Swarf Recycling (GM)

***Hagglund Room***

**11:15 a.m. Funded Project Updates – *Odeum A & B***

11:15 a.m. C: Pretreatment Processes of Waste PCBs (Final) (University of Tokyo)

*J. Ponou, Y. Kim, T. Fujita*

11:35 a.m. D: Online Slag and Bullion Analysis by LIBS (Final) (KUL)

*E. François, B. Blanpain*

**11:55 p.m. Lunch – *Odeum C***

**Presentation - Tianqi Lithium, Gangfeng Liu**

**1:15 p.m. Focus Group Sessions for C & D – Two parallel sessions**

C: Pretreatment Processes of Waste PCBs (JX Nippon)

***Mid-Century Room***

D: Online Slag and Bullion Analysis by LIBS (Umicore)

***Hagglund Room***

**2:15 p.m. Funded Projects Updates – *Odeum A & B***

2:15 p.m. E: Vacuum Distillation of Complex Lead Bullion (CSM)

*E. Tshijik Karumb, P. R. Taylor*

2:35 p.m. F: Copper Separation from Steel (New) (WPI)

*H. Jin, B. Mishra*

**2:55 p.m. Coffee Break**

**3:10 p.m. Focus Group Sessions for E & F – Two parallel sessions**

E: Vacuum Distillation of Complex Lead Bullion (Umicore)

***Mid-Century Room***

F: Copper Separation from Steel (SMS)

***Hagglund Room***

**4:10 p.m. Funded Projects Update – *Odeum A & B***

4:10 p.m. G: Paint Sludge (CSM)

*V. Vaccarezza, C. Anderson*

4:30 p.m. H: Electro-Oxidation of Metals & Inorganics in Metallurgical Operations (KUL)

*P. Subramanian, J. Fransaer*

**4:50 p.m. Focus Group Sessions for G, H – Two parallel sessions**

G: Paint Sludge (GM)

***Mid-Century Room***

H: Electro-Oxidation of Metals & Inorganics in Metallurgical Operations (Umicore)

***Hagglund Room***

**6:00 p.m. Reception and Dinner**

***Higgins House, WPI***

**Thursday, October 18, 2018**

**7:30 a.m. Breakfast**

***Odeum A&B***

**8:00 a.m.** **Funded and Leveraged Project Update – *Odeum A & B***

8:00 a.m. I: Optimization of Concrete Mixtures for 3D Printing (New) (KUL)

*G. Beersaerts, Y. Pontikes*

8:20 a.m.J: Recovery of Valuable Metals from Flue Dust and Other Fines from Mechanical Treatment of e-Scrap (Final) (WPI)

*H. Lee, B. Mishra*

8:40 a.m. K: Separation of Eu and Y from Phosphor Dust (Final - report only) (WPI)

*M. Strauss, B. Mishra*

**9:00 a.m. Focus Group Sessions for I, J – Two parallel sessions**

I: Optimization of Concrete Mixtures in 3D Printing (Umicore)

***Mid-Century Room***

J: Recovery of Valuable Metals from Flue Dust and Other Fines from Mechanical Treatment of e-Scrap (Aurubis)

***Hagglund Room***

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

**10:15 a.m. Final Review of 2019 Project Proposals prior to vote**

*M. Bauer and IAB*

***Odeum A & B***

**11:15 a.m. IAB Meeting – Closed Session**

*M. Bauer – Chair*

***Odeum A & B***

**11:15 a.m. Center Directors Meet with CR3 IAB Guests and Potential Members**

***Mid-Century Room***

**12:30 p.m. Lunch**

***Odeum C***

**1:30 p.m. IAB Debrief with Directors**

***Odeum A & B***

**2:15 p.m. Meeting Adjourns**

**6:00 p.m. Optional Dinner (Pub Event)**

logo.gifnew ku leuven.jpeg../../../Volumes/MPI/MPI/CR3/LOGOS/University%20Logos/Tokyo%20Lo