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: Optimization of Concrete Mixtures for 3D Printing (New) (KUL)  
*G. Beersaerts, Y. Pontikes*

4:50 p.m.     Focus Group Sessions for G, H – Two parallel sessions  
G: Paint Sludge (GM)  
*Mid-Century Room*  
H: Optimization of Concrete Mixtures in 3D Printing (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: Electro-Oxidation of Metals & Inorganics in Metallurgical Operations (KUL)  
*P. Subramanian, J. Fransaer*  
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*

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| 9:00 a.m. | **Focus Group Sessions for I, J – Two parallel sessions**  
I: Electro-Oxidation of Metals & Inorganics in Metallurgical Operations (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* |
| 11:15 a.m. | IAB Meeting – Closed Session  
*M. Bauer – Chair*  
*Hagglund Room* |
| 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  
*Hagglund Room* |
| 2:15 p.m. | Meeting Adjourns   |
| 6:00 p.m. | Optional Dinner (Pub Event) |

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*WPI, The University of Tokyo, Colorado School of Mines, KU Leuven*