NSF I/UCRC CR³ Industry Advisory Board Meeting
June 8-9, 2023
KU Leuven Thermotechnical Center

**Thursday, June 8, 2023**

8:00 a.m.   Breakfast and Registration

8:30 a.m.   Bart Blanpain Honorary Spring Symposium – “Recycling of Manufactured Wastes - Innovation and Challenges”

12:30 p.m.  Lunch

1:30 p.m.   Welcoming Remarks
            *Y. Pontikes*

            Opening Remarks: IAB
            *M. Bauer*

            CR³ NSF Assessment Coordinator’s Update
            *D. Hoffman*

            CR³ Updates
            *B. Mishra*

1:50 p.m.   Funded Project Updates: Moderator: *B. Mishra*

            1:50 p.m.   A: Contactless Flow Measurement of Molten Materials (CSM/Gopher)
                        *B. Raadam, J. Lee, C. Anderson*

            2:10 p.m.   B: Assessment of Environmental Properties of Non-Ferrous Metal Production Slags (KUL/Boliden)
                        *K. Koukouza, V. Cappuyns, Y. Pontikes, B. Blanpain*

2:30 p.m.   Coffee Break

2:45 p.m.   Focus Group Sessions for A & B – Two parallel sessions

            A: Contactless Flow Measurement of Molten Materials (CSM/Gopher)

            B: Assessment of Environmental Properties of Non-Ferrous Metal Production Slags (KUL/Boliden)

3:45 p.m.   Funded Project Updates: Moderator: *C. Anderson*

            3:45 p.m.   C: Adhesive and Sealant Waste Reduction (WPI/GM) KICK-OFF
                        *C. Ruhatiya, B. Mishra*

            4:05 p.m.   D: Structure Property Relations of Slags, Application and Carbonation Potential (KUL/Boliden)
                        *V. Hallet, Y. Pontikes*

4:25 p.m.   Focus Group Sessions for C & D – Two parallel session

            C: Adhesive and Sealant Waste Reduction (WPI/GM)

            D: Structure Property Relations of Slags, Application and Carbonation Potential (KUL/Boliden)
Friday, June 9, 2023
8:30 a.m. Breakfast
9:00 a.m. Funded Projects Updates: Moderator: Y. Pontikes
9:00 a.m. E: Metal Recovery from Industrial By-Products Using Bromine (CSM/ICL)
   A. Hirata Miyasaki, C. Anderson
9:20 a.m. F: G-METS Distillation for Continuous Efficient Lead Refining (WPI/Gopher, Aurubis, ICL, Campine, East Penn)
   A. Telgerafchi, A. Powell
9:40 a.m. G: Cleaning of fayalite/olivine slags using H2 (and CO): Measurement for the recovery of technology elements, e.g. Pb, Zn, Sb, As, etc. from bath smelting slags (KUL)
   S. Keshavarz, B. Blanpain
10:00 a.m. Break
10:15 a.m. Focus Group Sessions for E & F – Three parallel sessions
   E: Metal Recovery from Industrial By-Products Using Bromine (CSM/ICL)
   F: G-METS Distillation for Continuous Efficient Lead Refining (WPI/Gopher, Aurubis, ICL, Campine, East Penn)
   G: Cleaning of fayalite/olivine slags using H2 (and CO): Measurement for the recovery of technology elements, e.g. Pb, Zn, Sb, As, etc. from bath smelting slags
11:15 a.m. Leveraged Project Update
   - KU Leuven Leveraged Projects – Y. Pontikes
   - WPI Leveraged Projects – B. Mishra
   - CSM Leveraged Projects – C. Anderson
11:45 a.m. Initial Review of 2024 Project Proposals and Collaboration Discussion
   M. Bauer, A. Mirza
   24-01 Solid Liquid Separation in Low-Melting Point Systems (Aurubis) M. Chintinne, A. Specht, É. Klaffenbach
   24-02 Repurposing/Commercialization of Waste Materials for Environmental Remediation Applications (Gopher) J. Grogan, D. Graf
   24-03 Kinetic of FeNi-sulfidization in Ni-Matte with Sulphur Injection into Matte (SMS Group) M. Reuter, S. Geimer, M. Kalisch
12:30 p.m. Lunch
2:00 p.m. IAB Meeting – Closed Session
   M. Bauer – Chair
2:00 p.m. Directors Meet with Guests and Potential Members
4:00 p.m. IAB Debrief with Directors
4:30 p.m. Meeting Adjourns
6:00 p.m. Downtown Leuven Dinner Event