Optional Short Course: Recycling Metals from Industrial Waste
June 26-28, 2018
http://csmospace.com/events/recycmetals/

Cost for CR³ members: $230 (1 Attendee per CR³ Member). Non-Members: $1500

Note: The short course is scheduled to run until 11:15 a.m. June 28th

Agenda
NSF I/UCRC CR³ Industry Advisory Board Meeting
June 28-29, 2018
Colorado School of Mines
Marquez Hall, 1600 Arapahoe Street, Golden, CO

Thursday, June 28, 2018
8:00 a.m. Breakfast and Registration - Atrium
Getting On-Line - Life Forms

8:30 a.m. Welcoming Remarks – Marquez Hall, Room 326
C. Anderson, D. Apelian
Opening Remarks: IAB
M. Bauer
CR³ NSF Assessment Coordinator’s Update
S. Shipp
CR³ Updates
B. Mishra

9:20 a.m. Funded Project Updates – Marquez Hall, Room 326

9:20 a.m. A: Innovative Refining Technologies for Sb Recovery (WPI)
Q. Wang, Y. Wang

9:40 a.m. B: Waste Water Treatment Sludge & High Value Grinding Swarf Recycling (WPI)
H. Lee, B. Mishra

10:00 a.m. Coffee Break

10:20 a.m. Focus Group Sessions for A & B – Two parallel sessions

A: Innovative Refining Technologies for Sb Recovery (Umicore)
Marquez Hall, Room 335

B: Waste Water Treatment Sludge & High Value Grinding Swarf Recycling (GM)
Marquez Hall, Room 326
11:20 a.m.  Funded Project Updates – Marquez Hall, Room 326

11:20 a.m.  C: Pretreatment Processes of Waste PCBs (University of Tokyo)
           *J. Ponou, T. Fujita*

11:40 a.m.  D: Auto-Al Scrap Material Flow Analysis with Compositional Projections (WPI)
           *S. Kelly, D. Apelian*

12:00 p.m.  Focus Group Sessions for C & D – Two parallel sessions

C: Pretreatment Processes of Waste PCBs (JX Nippon)
   Marquez Hall, Room 335

D: Auto-Al Scrap Material Flow Analysis with Compositional Projections– FINAL
   (Steinert) - Marquez Hall, Room 326

1:00 p.m.   Lunch - Atrium
            Presentation
            • Nicholas Jian, East Penn Manufacturing

2:00 p.m.   Center Presentation for CSM Short Course Guests followed by Q&A – Marquez Hall, Room 326 - *Center Directors, Guests and IAB*

3:00 p.m.   New 2018 Projects – Overview and Initial Focus Group Formation/Meeting
            Marquez Hall, Room 326
            • Paint Sludge – Marquez Hall, Room 335 – *C. Anderson*
            • Copper Separation from Steel – Marquez Hall, Room 326 – *B. Mishra*
            • Optimization of Concrete Mixtures Containing Metallurgical Process Residues for 3D Printing – Marquez Hall, Room 204 – *Y. Pontikes*
            • Online Moisture Analysis of Heterogeneous Solid Material Flows – Marquez Hall, Room 106 – *T. Fujita*

3:55 p.m.   Coffee Break

4:10 p.m.   Funded Projects Updates – Marquez Hall, Room 326

4:10 p.m.   E: Recovery of Valuable Metals from Flue Dust and Other Fines from Mechanical Treatment of e-Scrap (WPI)
            *H. Lee, B. Mishra*

4:30 p.m.   F: Online Slag and Bullion Analysis by LIBS (KU Leuven)
            *E. François, B. Blanpain*

4:50 p.m.   Focus Group Sessions for E & F – Two parallel sessions

E: Recovery of Valuable Metals from Flue Dust and Other Fines from Mechanical Treatment of e-Scrap (Aurubis)
   Marquez Hall, Room 335

F: Online Slag and Bullion Analysis by LIBS (Umicore)
   Marquez Hall, Room 326
6:30 p.m.  Reception and Dinner  
Golden Vista Room / Golden Hotel  
800 Eleventh Street / Golden, CO

Friday, June 29, 2018

8:00 a.m.  Breakfast – Atrium

8:30 a.m.  Funded Projects Update – Marquez Hall, Room 326

8:30 a.m.  G: Paint Sludge (New) (CSM)  
V. Vaccarezza, C. Anderson

8:50 a.m.  H: Vacuum Distillation of Complex Lead Bullion (CSM)  
E. Tshijik Karumb, P. R. Taylor

9:10 a.m.  Focus Group Sessions for G, H – Two parallel sessions

9:10 a.m.  G: Paint Sludge (GM)  
Marquez Hall, Room 335

9:10 a.m.  H: Vacuum Distillation of Complex Lead Bullion (Umicore)  
Marquez Hall, Room 326

10:10 a.m.  Coffee Break

10:30 a.m.  Initial Review of 2019 Project Proposals and Collaboration Discussion – Marquez Hall, Room 326  
M. Bauer and IAB

12:00 p.m.  Lunch - Atrium

1:00 p.m.  2019 Project Proposal Collaboration Discussion (continued) and Planning of Future CR3 projects – Marquez Hall, Room 326  
M. Bauer and IAB

2:00 p.m.  IAB Meeting – Closed Session- Marquez Hall, Room 326  
M. Bauer – Chair

2:00 p.m.  Center Directors Meet with CR3 IAB Guests and Potential Members – Marquez Hall, Room 335

3:30 p.m.  IAB Debrief with Directors – Marquez Hall, Room 326

5:00 p.m.  Meeting Adjourns

6:30 p.m.  Optional (Self-Pay) Dinner Event  
Barrels and Bottles  
600 12th Street  
Golden, CO