Optional Short Course: Recycling Metals from Industrial Waste
June 26-28, 2018
http://csmspace.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
Getting On-Line - Life Forms

8:30 a.m. Welcoming Remarks
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

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)

B: Waste Water Treatment Sludge & High Value Grinding Swarf Recycling (GM)
11:20 a.m.  
**Funded Project Updates**

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 Projects (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)

D: Auto-Al Scrap Material Flow Analysis with Compositional Projects – FINAL (Steinert)

1:00 p.m.  
**Lunch**

Presentation
- Nicholas Jian, East Penn Manufacturing (tentative)

2:00 p.m.  
**Center Presentation for CSM Short Course Guests followed by Q&A**

*Center Directors, Guests and IAB*

3:00 p.m.  
**Collaboration Discussion for New Project Proposals and Planning of Future CR3 projects**

*M. Bauer and IAB*

Coffee Break

4:00 p.m.  
**Funded Projects Updates**

4:00 p.m.  
E: Recovery of Valuable Metals from Flue Dust and Other Fines from Mechanical Treatment of e-Scrap (WPI)
*H. Lee, B. Mishra*

4:20 p.m.  
F: Online Slag and Bullion Analysis by LIBS (KU Leuven)
*E. François, B. Blanpain*

4:40 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)

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

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

8:30 a.m.  Funded Projects Update

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

G: Paint Sludge (GM)

H: Vacuum Distillation of Complex Lead Bullion (Umicore)

10:10 a.m.  Coffee Break

10:30 a.m.  Clustering Discussion – B. Blanpain and IAB

12:00 p.m.  Lunch

1:00 p.m.  IAB Meeting – Closed Session  
M. Bauer – Chair

1:00 p.m.  Center Directors Meet with CR3 IAB Guests and Potential Members

2:30 p.m.  IAB Debrief with Directors

4:00 p.m.  Meeting Adjourns

6:00 p.m.  Optional Dinner Event  
Barrels and Bottles  
600 12th Street  
Golden, CO