

Agenda – CANFSA Spring IAB Meeting, April 11-12, 2018
Colorado School of Mines, Golden, CO

Tuesday, April 10, 2018 (1st Floor Atrium, CoorsTek Center for Applied Science and Engineering)

6:30-8:30 PM Informal Gathering

Wednesday, April 11, 2018 (Table Mountain Inn, Kokopelli Room, Golden, CO)

7:30 AM Arrival

8:00 AM Welcome, Brief Attendee Introductions, Agenda Changes

8:15 AM Overview and Status of CANFSA – M. Kaufman

8:30 AM NSF/IUCRC Updates and Review of LIFE Form Process – D. Meyer, Center Evaluator

9:00 AM Project 17: S. Mills (Mines), “Characterization of Microstructure Evolution in Nickel-Titanium-Hafnium Intermetallics” (CANFSA)

9:30 AM BREAK (15 min)

9:45 AM Project 19: G. Hommer (Mines), “Mechanism of Dwell Fatigue Crack Initiation in Ti-7Al Under Biaxial Tension-Tension Loads” (CANFSA)

10:15 AM Project 29: B. Milligan (Mines), “Identification of Deformation Mechanisms of Thermally Stable Cast Al-Cu Alloys via Neutron Diffraction” (Leveraged)

10:45 AM Project 22: J. Jankowski (Mines), “Formation, High Temperature Stability, and Mechanical Properties of Microeutectics in Bulk Solidified Al-Fe-Si and Related Alloys” (CANFSA)

11:15 PM Project 30: C. Johnson (Mines), “Microstructural Evolution of Metallic Alloys during Rapid Solidification” (Leveraged)

11:35 PM LIFE Form Review Session

12:05 PM LUNCH

1:00 PM Project 26: F.G. Coury (Mines), “Deformation Mechanisms in Refractory-Based Complex Concentrated Alloys” (Leveraged/CANFSA)

1:30 PM Project 31: B. McBride (Mines), “Accumulative Roll Bonding of Al and Ti Sheets Toward Low Temperature Superplasticity” (Leveraged)

2:00 PM Project 32: G. Becker (Mines), “Applying X-ray Radiography and Computed Tomography Techniques to Dynamic Materials Processes” (Leveraged)

- 2:20 PM Project 14: C. Campbell (Mines), “Measurement and Modeling of Anisotropy in Ti-6Al-4V Forgings” (CANFSA)
- 2:40 PM BREAK (15 min)
- 2:55 PM LIFE Form Review Session
- 2:25 PM Project 33: B. Ellyson and Y. Guo (Mines), “In-situ Studies of Strain Rate Effects on Phase Transformations and Microstructural Evolution in β -Titanium and Multi-Principal Element Alloys” (Leveraged)
- 4:00 PM Project 34: B. McArthur (Mines), “In-situ Observation of Phase and Texture Evolution Preceding Abnormal Grain Growth in Ni-based Aerospace Alloys” (CANFSA)
- 4:30 PM A. Stokes and Y. Guo (Mines), “Multi-scale, In-Situ Studies of Phase Transformations and Microstructural Evolution in Aluminum Alloys” (Leveraged)
- 5:00 PM LIFE Form Review Session
- 5:30 PM Project 28: K. Clarke, S. Midson, T. Kehe (Mines), “Laboratory Testing to Identify Permanent PVD Coatings to Minimize Lubricant Use During Forging” (Leveraged) + Introduction of Research Experiences for Undergraduate Students (CANFSA)
- 6:00 PM Review of Evening and Day 1 Activities
- 6:15 PM Adjourn
- 6:30 PM Informal Discussion/Drinks and Hors D’oeuvres (Kokopelli Room/Balcony)

Thursday, April 12, 2018 (Table Mountain Inn, Kokopelli Room, Golden, CO)

- 7:30 AM Arrival
- 8:00 AM Industry Workshop (IAB and Directors Only, Closed to Non-Members)
- 9:00 AM BREAK (15 min)
- 9:15 AM NSF Closed Session with Industry (IAB & Center Evaluator, Closed to Non-Members)
- 10:15 AM Feedback to Directors, Summary, and Closing Remarks
- 11:15 AM LUNCH
- 12:00 PM Adjourn