

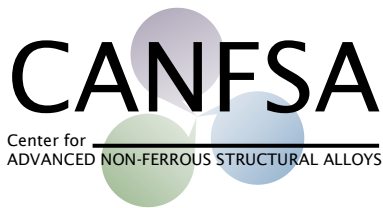
**Final Agenda: CANFSA Fall IAB Meeting, October 2-4, 2018
Colorado School of Mines, Golden, CO**

Tuesday, October 2, 2018 (Student Center, Ballrooms D/E)

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| 1:00 PM | Welcome, Attendee Introductions, Agenda Changes |
| 1:15 PM | Overview and Status of CANFSA |
| 1:30 PM | NSF/IUCRC Updates and Review of LIFE Form Process – D. Meyer, Center Evaluator |
| 2:00 PM | Project 29-L: B. Milligan (Mines), “Identification of Deformation Mechanisms of Thermally Stable Cast Al-Cu Alloys via Neutron Diffraction” (Leveraged) |
| 2:30 PM | Project 22: J. Jankowski (Mines), “Formation, High Temperature Stability, and Mechanical Properties of Microeutectics in Bulk Solidified Al-Fe-Si and Related Alloys” (CANFSA) |
| 3:00 PM | Break (15 min) |
| 3:15 PM | Project 30-L: C. Johnson (Mines), “Microstructural Evolution of Metallic Alloys during Rapid Solidification” (Leveraged) |
| 3:45 PM | Project 32-L: G. Becker (Mines), “Development of Cabinet-Based Computed Tomography Methods for Studies of Microstructures & Defects in Metals” (Leveraged) |
| 4:15 PM | Project 37-L: N. Delfino de Campos Neto, “Advanced Engineered Coatings with Extended Die Life for Tooling” (Leveraged) |
| 4:30 PM | Project 28-L: K. Clarke, S. Midson, K.T. Kehe (Mines), “Laboratory Testing to Identify Permanent PVD Coatings to Minimize Lubricant Use During Forging” (Leveraged + Research Experiences for Undergraduates, REU) |
| 4:45 PM | LIFE Form Review Session |
| 5:15 PM | Adjourn |
| 7:00 PM | Dinner, Table Mountain Inn |

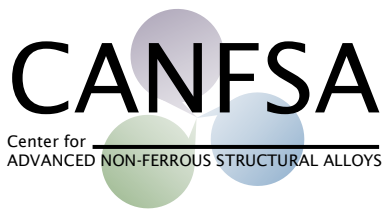
Wednesday, October 3, 2018 (Student Center, Ballrooms D/E)

- 8:00 AM Welcome, Attendee Introductions, Agenda Changes
- 8:15 AM Project 36-L: Alec Saville, “Rationalization of Liquid/Solid and Solid/Solid Interphase Instabilities During Thermal – Mechanical Transients of Metal Additive Manufacturing” (Leveraged)
- 8:30 AM Project 35: M. Mendoza (ISU), “Characterization of microstructures and mechanical properties in LFW Ti-6Al-4V” (CANFSA)
- 9:00 AM Project 34: B. McArthur (Mines), “In-situ Observation of Phase and Texture Evolution Preceding Abnormal Grain Growth in Ni-based Aerospace Alloys” (CANFSA)
- 9:30 AM C. Rietema, “Development of Advanced 12Cr-1Mo Ferritic/Martensitic Steels” (Leveraged)
- 10:00 AM Break (15 min)
- 10:15 AM T. Porter, “Assessment of Creep-Fatigue Behavior and Damage Mechanisms of Alloy 709 Under Accelerated Test Conditions” (Leveraged)
- 10:45 AM Project 14: C. Campbell (Mines), “Measurement and Modeling of Anisotropy in Ti-6Al-4V Forgings” (CANFSA)
- 11:15 AM Project 38: S. Midson, “On-Demand Casting of Net-Shape Titanium Components for Improved Weapon System Reliability” (Leveraged)
- 11:30 PM LIFE Form Review Session
- 12:00 PM Lunch
- 1:00 PM Project 26-L: F.G. Coury (Mines), “Deformation Mechanisms in Refractory-Based Complex Concentrated Alloys” (Leveraged/CANFSA)
- 1:30 PM Project 33b-L: J. Copley (Mines), “In-situ Studies of Strain Rate Effects on Phase Transformations and Microstructural Evolution in Multi-Principal Element Alloys” (Leveraged)
- 1:45 PM Project 33a-L: B. Ellyson and Y. Guo (Mines), “In-situ Studies of Strain Rate Effects on Phase Transformations and Microstructural Evolution in β -Titanium Alloys” (Leveraged)
- 2:30 PM Break (15 min)



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- 2:45 PM Project 17: S. Mills (Mines), “Characterization of Microstructure Evolution in Nickel-Titanium-Hafnium Intermetallics” (CANFSA)
- 3:15 PM Project 31-L: B. McBride (Mines), “Accumulative Roll Bonding of Al and Ti Sheets Toward Low Temperature Superplasticity” (Leveraged)
- 3:45 PM K. Koike, “Microstructure Evolution and Mechanical Properties of Heavily Cold-rolled and Subsequently Heat-treated Cu-3wt.%Ti with Nano-lamellar Structure” (Leveraged)
- 4:15 PM LIFE Form Review Session
- 4:45 PM Member Highlight: Weber Metals
- 5:15 PM Research Experiences for Undergraduates (REU) Student Introductions
- 5:30 PM Adjourn
- 5:45 PM Informal Discussion/Drinks and Hors D’oeuvres (CoorsTek Atrium)



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Thursday, October 4, 2018 (Student Center, Ballrooms D/E)

8:00 AM	Welcome, Attendee Introductions, Agenda Changes
8:15 AM	Workshop for Current and Prospective Members to Identify New Projects
10:15 AM	Break (15 min)
10:30 AM	IAB Workshop (IAB and Directors Only, Closed to Non-Members)
11:15 AM	NSF Closed Session with Industry (IAB & Center Evaluator, Closed to Non-Members)
12:00 PM	Working Lunch, Feedback to Directors, Summary, and Closing Remarks
1:00 PM	Adjourn