

NSF EPSCoR Research Infrastructure Improvement (RII) Award 2019 CIMM RII Symposium

June 3, 2019
The Lod Cook Hotel, 3848 W. Lakeshore Drive, Baton Rouge, LA 70808

Agenda

7:30 – 8:00	Registration, coffee, and light refreshments
8:00 – 8:20	Overview of the EPSCoR RII project (Michael Khonsari)

8:20 – 10:00	Session 1: Project Progress Report Session Chair: Philip Sprunger*
8:20 – 8:55	Overview of CIMM research (Wenjin Meng and Shengmin Guo)
8:55 – 9:05	Current status in the development of the CIMM Core User Facilities (CUF) (Dimitris Nikitopoulos/Leland Weiss)
9:05 – 9:15	CIMM Hub and ICME Data efforts (Ka-Ming Tam, Tom Bishop)
9:15 – 9:50	CIMM WFDD efforts (Guoqiang Li/Patrick Mensah/Heather Lavender)
9:50 – 10:05	Break
10:05 – 10:15	Graduate Student Retreat Plans (Raj Vinnakotta)
10:15 – 10:30	External Evaluation Report (Cindi Dunn)

10:30 – 11:30	Session 2: STT1 Technical Presentations* Session Chair: Wen J. Meng
10:30 – 10:45	Meso/micro scale metal forming and thin film crystal growth experiments: an update (Wenjin Meng)
10:45 – 11:00	Metal forming and interfacial mechanics: molecular dynamics and conventional/strain-gradient plasticity finite element analysis simulations (Shuai Shao)
11:00 – 11:15	Atomistic modeling of metal/ceramic interfaces: from first principles to MEAM models (Collin Wick)
11:15 – 11:30	Two-phase heat transfer from engineered micro- and nano- scale surfaces (Arden Moore)

11:30 – 12:00	Lunch
12:00 – 1:30	Poster Session

***Presentation times include 5 min for Q&A**

1:30 – 2:30	Session 3: STT2 Technical Presentations* Session Chair: Shengmin Guo
1:30 – 1:45	Ultrafast Reflectivity and Microscopy of Laser Heating and Melting Dynamics (Louis Haber)
1:45 – 2:00	Atomistic and Phase Field Simulation Studies of Crystal-melt Interfacial Properties and Solidification of Ti and Ti-Ni Alloys (Dorel Moldovan)
2:00 – 2:15	Multicomponent MoNbTaTiW Design (Shizhong Yang)
2:15 – 2:30	The Interaction of Oxygen and CrCoFeNi High Entropy Alloy (Phil Sprunger/ Pedro Derosa)

2:30 – 3:30	Soft Skills for Graduate Students and Postdocs: Workshop led by Jenna Carpenter
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3:30 – 3:45	Break
3:45 – 4:15	Discussions of ERB, IAB, and DAC
4:15 – 4:45	Feedback from the ERB, IAB, DAC, and poster awards
4:45 – 5:00	Concluding Remarks (Michael Khonsari)

***Presentation times include 5 min for Q&A**