

Final Agenda

Phase Field Workshop IX

November 5-7, 2019

CHiMaD HQ, Hogan Hall, Suite 1160

Tuesday November 5

- 12:00 PM – 1:00 PM** **Registration and Informal Kick-Off Lunch**
- 1:00 PM – 1:15 PM** **Welcome**
Olle Heinonen, Jim Warren
- 1:15 PM – 1:45 PM** **Update on Benchmark Problems, Discussions**
Olle Heinonen, Jim Warren, David Montiel-Taboada, Wenkun Wu
- 1:45 PM – 2:15 PM** **PFHub Update and Discussion**
Daniel Wheeler
- 2:15 PM – 2:30 PM** **Break**
- 2:30 PM – 3:00 PM** **Goals of Workshop**
Olle Heinonen
- 3:00 PM – 3:45 PM** **Uncertainty Quantification of Phase Equilibria and Thermodynamics**
Noah Paulson
- 3:45 PM – 4:15 PM** **Microstructural Analysis and Machine Learning**
Tiberiu Stan, Jiwon Yeom, Maryam Kazemzadeh-Atoufi, Markus Holzinger, Peter Voorhees
- 4:15 PM – 5:00 PM** **Using Phase Field to Extract Information from Experiments**
Mike Tonks
- 5:00 PM** **Dinner on your own**

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Wednesday November 6

- 8:30 AM – 9:00 AM **Breakfast**
- 9:00 AM – 9:45 AM **Co-Based Superalloys**
Tony Chung
- 9:45 AM – 10:30 AM **Machine Learning**
Jim Belak
- 10:30 AM – 10:45 AM **Break**
- 11:00 AM – 11:30 AM **UQ/UP in CALPHAD-reinforced Elastochemical Phase Field Method**
Vahid Attari
- 11:30 PM – 12:30 PM **Machine Learning in Phase Field Modeling**
Greg Teichert
- 12:30 PM – 1:30 PM **Lunch**
- 1:30 PM – 1:45 PM **Breakout I Charges**
- 1:45 PM – 3:30 PM **Breakout I**
- 3:30 PM – 3:45 PM **Break**
- 4:00 PM – 5:00 PM **Breakout Reports, Discussions**
- 5:00 PM **Dinner**

Thursday November 7

- 8:30 AM – 9:00 AM **Breakfast**
- 9:00 AM – 9:15 AM **Breakout II Charges**
- 9:15 AM – 10:30 AM **Breakout II**
- 10:30 AM – 10:45 AM **Break**
- 10:45 AM – 12:00 PM **Breakout Reports, Discussion, What's Next**
- 12:00 PM **Lunch to Go**