



CALPHAD 50

June 25 - 30, 2023
MIT in Boston, USA



50 INTERNATIONAL CONFERENCE ON COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY

Celebration of 50th CALPHAD conference

Celebration of the homecoming of CALPHAD conference in MIT in memory of Larry Kaufman

Timeline

First announcement	September 10, 2022
Second announcement	October 1, 2022
Third announcement	January 1, 2023
Deadline for fellowship application	February 15, 2023
Last day for abstract submission	March 31, 2023
Last day for early registration	April 15, 2023
Last day to register	May 10, 2023

(no onsite registration will be available)

Organizers

Prof. Yu (Michael) Zhong (Worcester Polytechnic Institute)
Prof. Wei Xiong (University of Pittsburgh)

Organizing Committee

Prof. Gregory B. Olson (MIT)
Prof. Raymundo Arroyave (Texas A&M University)
Prof. Scott McCormack (University of California, Davis)
Dr. Richard Otis (Jet Propulsion Laboratory)

Meeting @ Tang Center (MIT)

Lodging @ Boston Marriott Cambridge

Topics include, but are not limited to:

Ab-initio (first-principles) Predictions
Thermodynamic Modeling

CALPHAD Assessments and Database Development
Modeling of Diffusion and Phase Transformations
Software Development

Experimental Phase Equilibria, Thermodynamics and Kinetics

CALPHAD Applications in Materials Design, Production, Use, Recycling, Disposal, ...

CALPHAD Applications in industrial processes (energy production, joining and soldering, ...)

CALPHAD Applications in Chemistry, Physics, Geology, Biology, ...

According to the CALPHAD tradition, there will be single oral sessions, permanent poster presentations, software demonstrations, time for spontaneous discussions, ...and social activities.