



CALPHAD 50

June 25 - 30, 2023
MIT in Boston, USA



50th INTERNATIONAL CONFERENCE ON COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY

Celebration of 50th CALPHAD conference

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

Timeline

First announcement	September 10, 2022
Second announcement	October 6, 2022
Third announcement	January 11, 2023
Deadline for fellowship application	March 1, 2023
Last day for abstract submission	March 31, 2023
Last day for early registration	March 31, 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.

According to CALPHAD tradition, there will be no parallel sessions and each day will include both oral and poster presentations.

Abstract Submission

Follow the [link](#) for the abstract submission. The submission deadline is March 31, 2023.

Registration Fees

- The registration fee includes hotel accommodations for five nights (check-in on Sunday, June 25 and check-out on Friday, June 30), access to the conference, welcome reception on Sunday, all meals and coffee breaks from Monday breakfast through Friday lunch, Wednesday excursion, and Thursday dinner cruise.
- Accompanying person registration includes welcome reception, excursion, and dinner cruise.

Registration is open, please follow this [link](#).

	Before April 1	Before May 11
Regular Attendee (single room)	2,200 USD	2,640 USD
Regular Attendee (shared room)	1,800 USD	2,160 USD
Student (shared room)	1,500 USD	1,800 USD
Accompanying Person	300 USD	360 USD

There will be no on-site registration.

Citizens from certain countries may need a **visa** to enter USA. The CALPHAD organizers will provide invitation letters for conference-related attendees if needed. Please send the request to info@calphad.org

Cancellation Policy

Notification of cancellation in writing prior to May 20, 2023, will be entitled to a refund less 300 USD processing fee.

Student Fellowships

CALPHAD, Inc. will offer up to **twenty** Larry Kaufman Scholarships to students who will give presentations at the CALPHAD meeting. The scholarships will cover the registration fee for the CALPHAD meeting and accommodation (in shared double room). Please follow this [link](#) to apply.

Social Program

On Wednesday, June 28, the Conference will be interrupted for a Boston Duck Tour Excursion, the city's most popular sightseeing tour. In keeping with CALPHAD tradition, a gala dinner will be held on the Boston Odyssey Cruise ship on Thursday, June 29.

Preconference Workshops:

Two complimentary workshops will be arranged from 1 to 4pm on Sunday, June 25. Registration is required.

- CALPHAD-based tools for Diffusion
- From Machine Learning to Phase Diagrams

Extra Nights Stay:

We have limited number of rooms for June 24 and June 30, which can be booked in the registration page.

Information

Information about CALPHAD 50 can be found at this [link](#).

Further information about the conference can be obtained by contacting:

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