

# The 8<sup>th</sup> Summer School for Integrated Computational Materials Education

June 3-14, 2019

Sponsored by the National Science Foundation, the University of California, Berkeley, and the University of Michigan

## Program Overview:

The primary purpose of the Summer School for Integrated Computational Materials Education is to “educate the educator” in order to enable rapid implementation of computational tools into undergraduate materials science and engineering curriculum around the world. This program will allow participants to return to their home institutions with the knowledge, skills, and resources to incorporate computational materials science and engineering (CMSE) in thermodynamics, kinetics, and mechanics courses. The Summer School curriculum will also include an overview of CMSE applications, the fundamental theory and advanced topics, as well as training for teaching the modules to undergraduate students. Faculty, postdoctoral researchers, and graduate students from MSE departments and programs in the U.S. and around the world, with or without computational experience, are gladly welcomed to participate in this innovative program, located in beautiful Ann Arbor, MI.

## Web Sites...

To learn more about NSF, University of California, Berkeley and University of Michigan College of Engineering, please go to the following web sites:

<http://www.nsf.gov/>

<http://berkeley.edu/>

<http://www.engin.umich.edu/>

To learn more about the partnering institutions, please refer to these websites:

University of California, Santa Barbara

<http://www.uscb.edu/>

University of Pittsburgh <http://www.pitt.edu/>

Idaho National Laboratory <http://www.inl.gov/>

National Institute of Standards and Technology

<http://www.nist.gov/>

Purdue University <http://www.purdue.edu/>

Northwestern University <http://www.northwestern.edu/>

Thermo-Calc Software <http://www.thermocalc.com/>

## Program Details:

1. The summer program will run from June 3 to 14, 2019. It will take place in Ann Arbor, MI on the University of Michigan campus.
2. Partial to full financial support may be available for qualified applicants.

## Participant Eligibility and Requirements:

This program is open to *any* science or engineering graduate student, post-doctorate or faculty, though priorities will be given to those with departmental commitments for implementation of the modules into undergraduate courses and submit a short report on the implementation upon request.

## Application Process:

An application must include the following components (see following application form for more details)

1. A completed application form (attached)
2. A statement of interest (graduate students and postdocs only)
3. Your resume/CV
4. A letter of recommendation from an advisor (for students/postdocs) and a letter expressing departmental commitment if available

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***Questions or concerns?*** Contact  
**[icmed2019@umich.edu](mailto:icmed2019@umich.edu)**

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**Send your application by email to:**

[icmed2019@umich.edu](mailto:icmed2019@umich.edu)

\*Please put your name in the file name in all the attachments

**APPLICATION Deadline: March 15, 2019 (and on a rolling basis thereafter)**

Acceptance announcements will begin by April 5, 2019

Only complete applications will be reviewed. Contact us if you have any concerns or questions.

The Summer School for Integrated Computational Materials Education  
Summer 2019 Participant Application Form

**A COMPLETED INTERNSHIP APPLICATION INCLUDES THE FOLLOWING:**

- 1. A completed application form**
- 2. A statement of interest** explaining your research interests, background and how this internship fits into your future career goals. Your essay should be typed, and at most one page long.
- 3. Your resume**
- 4. A letter of recommendation** from an advisor or instructor if you are a graduate student or postdoctoral fellow. Priority will be given to applicants with an additional short **letter of commitment** from their departments.

*All items should be sent by email. Acceptable file formats for attachments are Microsoft Word and Adobe Acrobat (PDF). PLEASE PUT YOUR LAST NAME IN THE FILE NAME OF ALL ATTACHMENTS.*

Questions or Concerns about the ICMEd program? Contact: [ICMEd2019@umich.edu](mailto:ICMEd2019@umich.edu)

**Application Deadline is March 15, 2019**

**\*All of these fields in this section must be completed.**

**First Name** \_\_\_\_\_

**Last Name** \_\_\_\_\_

**E-mail Address** \_\_\_\_\_

**Phone** \_\_\_\_\_

**Current Address at School:**

Street \_\_\_\_\_

City, State \_\_\_\_\_

Zip \_\_\_\_\_ Phone \_\_\_\_\_

**Current School:** \_\_\_\_\_

Dates of Attendance: \_\_\_\_\_

**Field of Study/Major** \_\_\_\_\_

**Status to be entered in Fall 2019** (Please check one):  MS Graduate Student  PhD Graduate Student  
 Post-Doctorate  Faculty

**Expected Graduation Date (if applicable)** \_\_\_\_\_

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**\*All of the fields in this section may be left blank.**

**The following information is optional, but is requested for future reporting to the National Science Foundation:**

**Gender**  Female  Male

**Ethnicity**  Hispanic or Latino  Not Hispanic or Latino  Unknown

**Race**  American Indian or Alaskan Native  Asian  Black or African American  
 Native Hawaiian or Pacific Islander  White

**Disability Status**

Hearing Impairment  Visual Impairment  Mobility/Orthopedic Impairment  None

Other \_\_\_\_\_

**Citizenship**  U.S. Citizen  Permanent Resident  Other non-U.S. Citizen

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**Please list the person that you have asked to write a letter of recommendation/commitment:**

Name \_\_\_\_\_ Email: \_\_\_\_\_

Name \_\_\_\_\_ Email: \_\_\_\_\_

**Please list all relevant computer experience that you have used or are currently using:**

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**Please give a brief description of your reasons for using these software tools:**

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**Please give a short description why you are interested in this program and how you would benefit from this program.**

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**APPLICATIONS should be e-mailed by March 15, 2019 (thereafter, applications will be evaluated on a rolling basis while space is available).**

**Only complete applications will be considered for selection.**

**PLEASE PUT YOUR LAST NAME IN THE FILE NAME OF ALL ATTACHMENTS**

**Send applications and materials to: [icmed2018@umich.edu](mailto:icmed2018@umich.edu)**