

# The Summer School for Integrated Computational Materials Education

July 18-29, 2011

Sponsored by National Science Foundation (NSF), University of Michigan - Ann Arbor and Michigan Center for Theoretical Physics (MCTP)

## 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 materials to incorporate computational materials science and engineering (CMSE) in thermodynamics and kinetics courses. The Summer School curriculum will also include an overview of CSME 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.

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## Web Sites...

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

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

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

<http://www.umich.edu/~mctp/>

<http://materialstechnology.tms.org/EMT/home.aspx>

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

Kent University

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

University of California, Berkeley

<http://berkeley.edu/>

National Institute of Standards and Technology

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

Purdue University

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

Thermo-Calc Software

<http://www.thermocalc.com/>

## Program Details:

1. The summer program will run from July 18 to 29, 2011. It will take place in Ann Arbor, MI on the University of Michigan campus.
2. Fifteen participants will be fully sponsored, but up to 30 participants are welcomed.

## 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 meeting the following conditions:

- Those with departmental commitments for implementation of the modules into existing courses
- Those who are US citizens or permanent residents

## 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
3. Your resume
4. A letter of recommendation from an advisor and a letter expressing departmental commitment if possible

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## Questions or concerns?

Contact [icmed2011@umich.edu](mailto:icmed2011@umich.edu)

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## Send your application by email to:

[icmed2011@umich.edu](mailto:icmed2011@umich.edu)

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

**OR by fax:** 734.763.4788

**OR by mail:**

2202 H.H.Dow Bldg

2300 Hayward St.

Ann Arbor, MI 48109-2136

**APPLICATION Deadline: May 26, 2011 (and on rolling basis thereafter)**

Acceptance announcements will begin by June 5, 2011

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

The Summer School for Integrated Computational Materials Education  
Summer 2011 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 and a short **letter of commitment** from your department (only the latter if you are a faculty member).

*All items may be sent by email (preferable). 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: [icmed2011@umich.edu](mailto:icmed2011@umich.edu)**

**Application Deadline is May 26, 2011**

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

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

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

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

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

**Please check one**

US Citizen     Permanent Resident     Other (please specify) \_\_\_\_\_

**Current Address at School:**

Street \_\_\_\_\_

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

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

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

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

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

**Status to be entered in Fall 2011** (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, faxed or received in mail by May 26, 2011 (thereafter, applications will be evaluated on 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:**  
[icmed2011@umich.edu](mailto:icmed2011@umich.edu)

**OR by fax:** 734.763.4788

**OR by mail:**

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