

Call for Papers

Multiscale Modeling and Simulation: A SIAM Interdisciplinary Journal

Special Issue on

Multiscale Modeling of Materials

Dear Colleague:

We are pleased to announce a special issue of SIAM's Multiscale Modeling and Simulation (MMS) journal, with the theme "Multiscale Materials Modeling." The special issue is intended to document some key advances in multiscale modeling of materials and shed some light on future directions of this important field. Contributions bringing about novel multiscale modeling approaches and new perspectives in the field are highly encouraged. The special issue emphasizes a number of important topics, including, but not limited to, quantum and classical materials simulation approaches, atomistic-to-continuum connection formalisms, continuum models of discrete systems, and modeling across length and time scales. The successful contributions are expected to have a strong multiscale modeling flavor and to emphasize equally the materials science, the mathematical modeling approach, as well as the computational algorithms.

All interested should submit a manuscript and cover letter in PDF format via the MMS online submission site at <http://mms.siam.org>. Include a statement in the cover letter requesting the paper be considered for the Special Issue on Multiscale Materials Modeling. Note the block labeled Special Section (just under the keywords block on your submission screen) and select "Special Issue on Multiscale Materials Modeling" from the dropdown box. Also be sure to note in the Manuscript Comment text box at the bottom of that page that your work is intended for the Multiscale Materials Modeling Special Issue. Papers will be subject to peer review.

In order to be considered for this special issue, contributions must be submitted within the time window of December 1-31, 2008.

Sincerely,

Guest Editors:

Anter El-Azab, Department of Scientific Computing & Materials Science Program,
Florida State University

Max Gunzburger, Department of Scientific Computing, Florida State University

Sydney Yip, Nuclear Engineering & Materials Science and Engineering Departments,
Massachusetts Institute of Technology