



Center for Scientific Computation And Mathematical Modeling

University of Maryland, College Park

Workshop Announcement

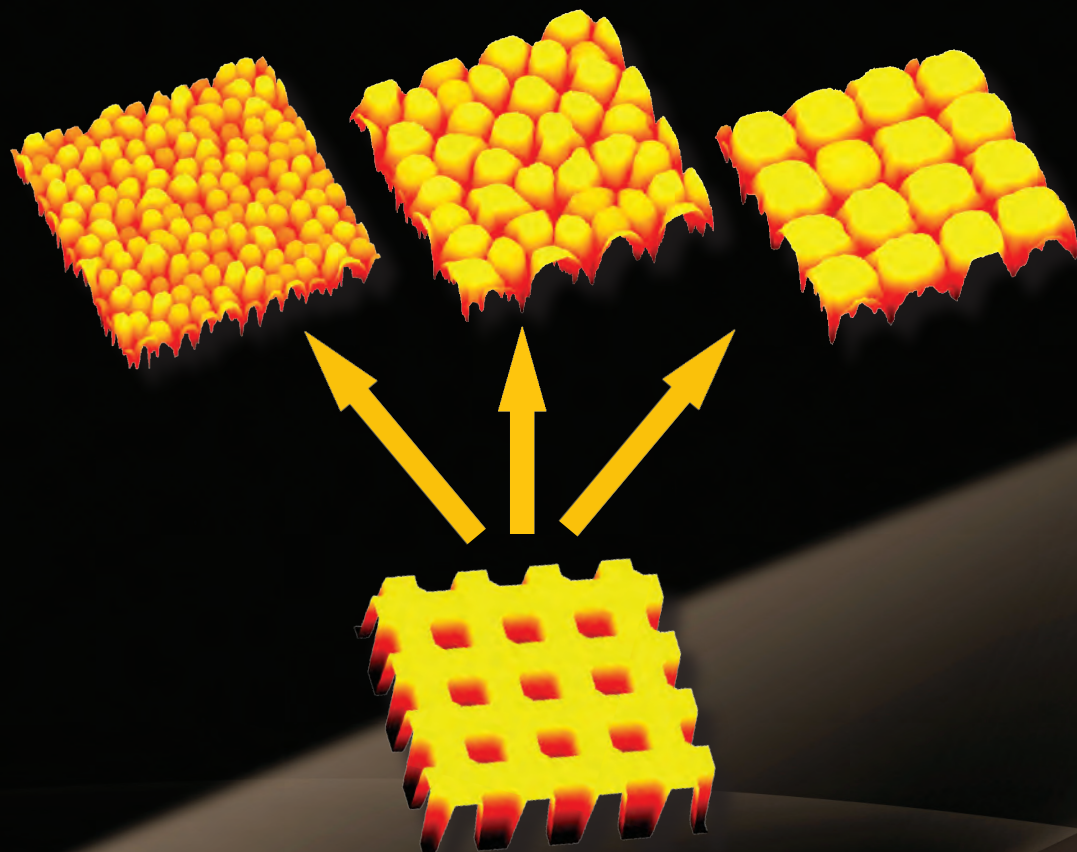
Non-equilibrium Interface and Surface Dynamics: Theory, Experiment and Simulation from Atomistic to Continuum Scales October 25-28, 2010

Organizers

Theodore L. Einstein	University of Maryland
James W. Evans	Iowa State University
Dionisios Margetis	University of Maryland
Raymond Phaneuf	University of Maryland
John D. Weeks	University of Maryland

Confirmed Participants

Norman Bartelt	Sandia National Laboratories
Theodore L. Einstein	University of Maryland
Jonah Erlebacher	Johns Hopkins University
James W. Evans	Iowa State University
Kristen Fichthorn	Penn State University
Thomas Frisch	Universités Paul Cézanne, CNRS
Melissa A. Hines	Cornell University
David Kinderlehrer	Carnegie Mellon University
Robert V. Kohn	New York University
Feng Liu	University of Utah
Dionisios Margetis	University of Maryland
Chaouqi Misbah	Université Joseph Fourier Grenoble I, CNRS
Taisuke Ohta	Sandia National Laboratories
Raymond Phaneuf	University of Maryland
Olivier Pierre-Louis	Université Claude Bernard Lyon 1
Christian Ratsch	University of California, Los Angeles
Gregory S. Rohrer	Carnegie Mellon University
Peter Smereka	University of Michigan
Herbert Spohn	Technische Universität München
Jerry Tersoff	IBM Research
Makio Uwaha	Nagoya University
James A. Warren	Natl. Inst. of Standards & Technology
John D. Weeks	University of Maryland
Zhenyu Zhang	Oak Ridge National Laboratory



Scientific Background

This program will bring together leading physicists, materials scientists, computational scientists, and applied mathematicians to:

- (i) Review the recent developments in research on materials surfaces and interfaces, from experimental highlights to theory to simulation
- (ii) Identify critical scientific issues in the understanding of the fundamental principles and basic mechanisms of interface and surface dynamics in crystalline systems far from equilibrium
- (iii) Accelerate the interaction of applied mathematics with physics and materials science, and promote highly interdisciplinary research on new materials interface and surface problems with emerging novel applications
- (iv) Develop and foster international collaborations
- (v) Initiate the training of research task force for the grand challenge in nanoscience.

This is the third CSCAMM workshop on this topic, following our Fall 2003 and Spring 2007 meetings.

A limited number of openings are available.

To apply, complete the application before **August 16, 2010** at:
www.cscamm.umd.edu/programs/nid10/rsvp.htm

For more information:

Website: **www.cscamm.umd.edu/programs/nid10**

Email: **nid10@cscamm.umd.edu**

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