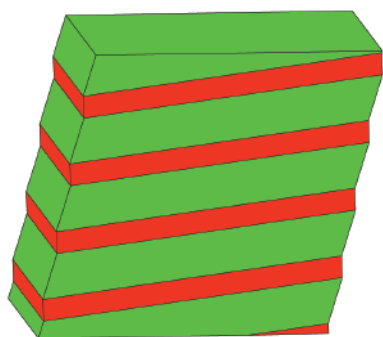
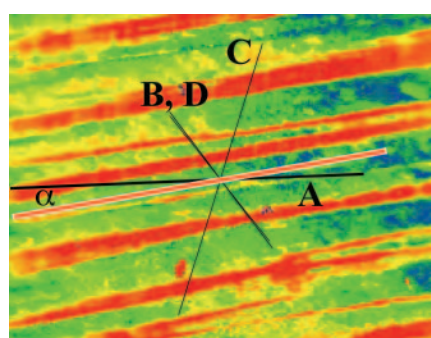


Evolution Problems for Material Defects: Dislocations, Plasticity, and Fracture

A workshop in the framework of the ERC Grant "Quasistatic and Dynamic Evolution Problems in Plasticity and Fracture" and of the PIRE Project "Science at the Triple Point between Mathematics, Mechanics and Materials Science"

SISSA, Trieste (Italy)
September 30–October 4, 2013



Lamination microstructure in shear deformed copper single crystals.

Survey Lectures

Lallit Anand Massachusetts Institute of Technology

Michael Falk Johns Hopkins University

Alexander Mielke WIAS and Humboldt-Universität, Berlin

Stefan Müller Universität Bonn

Michael Ortiz California Institute of Technology

Invited Talks

Amit Acharya Carnegie Mellon University

Irene Arias Universitat Politècnica de Catalunya, Barcelona

Vasily V. Bulatov Lawrence Livermore National Laboratory

Antonin Chambolle École Polytechnique, Palaiseau

Marco Cicalese Technische Universität München

Sergio Conti Universität Bonn

Patrick Dondl Durham University

Gilles Francfort Université Paris-Nord

Adriana Garroni Sapienza - Università di Roma

Alessandro Giacomini Università di Brescia

Klaus Hackl Ruhr-Universität Bochum

Christopher J. Larsen Worcester Polytechnic Institute

Giovanni Leoni Carnegie Mellon University

Stephan Luckhaus Universität Leipzig

Mitchell Luskin University of Minnesota

Jean-Jacques Marigo École Polytechnique, Palaiseau

Mark A. Peletier Technische Universiteit Eindhoven

Riccarda Rossi Università di Brescia

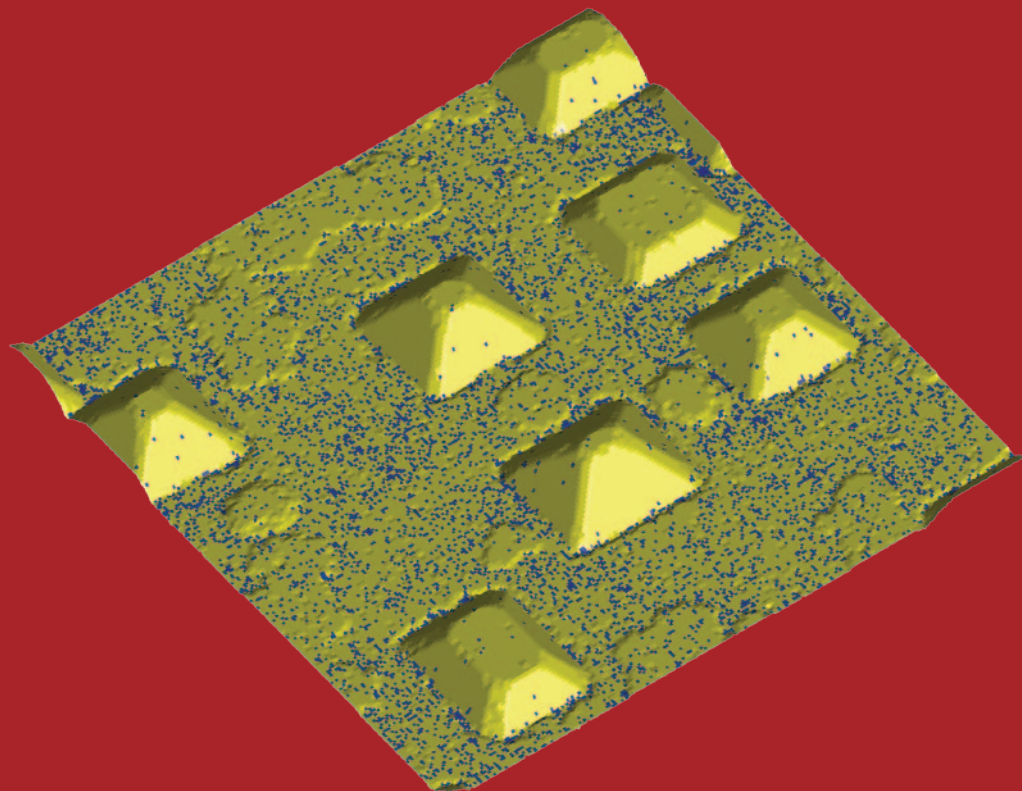
Peter Smereka University of Michigan

Ulisse Stefanelli IMATI-CNR, Pavia

Ellad Tadmor University of Minnesota

Florian Theil University of Warwick

Athanasios E. Tzavaras University of Crete



Kinetic Monte Carlo simulation of quantum dot formation by strained heteroepitaxial growth at $T=775K$.

<http://people.sissa.it/dalmaso/pire-sissa.html>

This conference is sponsored by the NSF, SISSA and GNAMPA–Istituto Nazionale di Alta Matematica.

Organizers: Gianni Dal Maso, Antonio DeSimone, Irene Fonseca and Felix Otto

Funds are available to support a limited number of early-career participants.

Applications submitted by April 15, 2012 will receive preference

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