

Workshop on **Macroscopic Modeling of Materials with Fine Structure**

Carnegie Mellon University, Pittsburgh, PA
Baker Hall A51 (Giant Eagle Auditorium)
May 26–28, 2011

Confirmed Speakers

Antonio DeSimone, Scuola Internazionale Superiore di Studi Avanzati

Max Gunzburger, Florida State University

Tony Lelievre, École des Ponts ParisTech

Chun Liu, Pennsylvania State University

Mitchell Luskin, University of Minnesota

Christoph Ortner, University of Oxford

Stewart Silling, Sandia National Laboratories

Florian Theil, University of Warwick

Image courtesy of Bohdan Senyuk, laboratory of Oleg Lavrentovich, Liquid Crystal Institute, Kent State University .

Predicting the effect of fine structure on material response to mechanical and thermal loading in different conditions is essential to many technological areas. This challenge gave rise to developments in a few directions including peridynamics, quasi-continuum models and atomistic-continuum coupling models. In this workshop we bring together experts from these fields and focus on current challenges and recent developments.

www.math.cmu.edu/CNA/macro2011

Graduate students or scientists with a recent Ph.D. degree are encouraged to contribute a presentation or poster for this workshop.

The deadline for submission of contributed abstracts and financial aid is March 1, 2011.

Center for Nonlinear Analysis

Carnegie Mellon University
Department of Mathematical Sciences
Pittsburgh, PA 15213
Telephone: (412) 268-2545
Fax: (412) 268-6380
E-mail: cn0s@math.cmu.edu

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Organizers:
Shlomo Ta'asan and Noel Walkington

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