Workshop on Energy-Driven Systems

Carnegie Mellon University, Pittsburgh, PA August 27–29, 2009

Confirmed Speakers

Giovanni Bellettini, Università di Roma Tor Vergata Rustum Choksi, Simon Fraser University Inwon Kim, University of California, Los Angeles Marta Lewicka, University of Minnesota Chun Liu, Penn State University Govind Menon, Brown University Alexander Mielke, WIAS Berlin Cyrill Muratov, New Jersey Institute of Technology Mark Peletier*, Technische Universiteit Eindhoven Matthias Röger, Max Planck Institute, Leipzig Maria Westdickenberg, Georgia Institute of Technology Michael Westdickenberg, Georgia Institute of Technology Andrej Zlatoš, University of Chicago

*tentative

image courtesy of Rustum Choksi, Mark A. Peletier and J.R. W

The role of energy is fundamental in driving dynamics and structure in a spectrum of models from materials science, fluid mechanics, and mathematical biology. This workshop will address a variety of aspects of complex energy-driven systems, ranging from fundamental questions of mathematical analysis to modeling and computer simulation. Researchers using a variety of tools (analysis of PDE, calculus of variations, stochastic analysis, numerical simulation) will have an opportunity to interact and exchange ideas. 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

Furthermore, the workshop will present an opportunity for young researchers to learn about the exciting advances in this rapidly developing field.

www.math.cmu.edu/CNA/energy09

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abstracts and financial aid is June 1, 2009.

Center for Nonlinear Analysis

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Sponsored by the Department of Mathematical Sciences at Carnegie Mellon University and the National Science Foundation.

Organizers David Kinderlehrer, Bob Pego and Dejan Slepčev

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