

Boulder School for Condensed Matter and Materials Physics

Nonequilibrium Statistical Mechanics

July 6-July 24, 2009

The 2009 school will be devoted to the behavior of nonequilibrium systems and processes. The past decades have led to remarkable progress in the understanding of systems away from thermal equilibrium. A variety of novel phenomena emerges, and generally, stochastic fluctuations and intrinsic correlations tend to play a very significant role. Researchers in nonequilibrium statistical physics are poised to significantly contribute to the characterization and modeling of physical, chemical, and biological processes from macroscopic down to nanometer scales.

The goals of this school are twofold: first, to provide a pedagogical introduction and overview of the fundamentals and recent progress in nonequilibrium statistical physics for young researchers working on both theory and experiment, and second: to point out opportunities for fruitful future developments. (T: Theory, E: Experiment)

Daniel ben-Avraham, Clarkson University (T)
Erwin Frey, Ludwig Maximilians University Munich (T)
Chris Jarzynski, University of Maryland (T)
Andrew Kent, New York University (E)
Ching-Hwa Kiang, Rice University (E)
Cristina Marchetti, Syracuse University (T)
Michel Pleimling, Virginia Tech (T)
Dragana Popovic, NHMFL (E)
Sid Redner, Boston University (T)
Cynthia Reichhardt, Los Alamos National Lab (T)
Per Rikvold, Florida State University (T)
Udo Seifert, University of Stuttgart (T/E)
Steve Teitel, University of Rochester (T)
Ben Vollmayr-Lee, Bucknell University (T)
Nicholas Wschebor, University of Montevideo (T)
Royce K.P. Zia, Virginia Tech (T)

Scientific Organizers:

Ching-Hwa Kiang (Rice University)
Michel Pleimling (Virginia Tech)
Beate Schmittmann (Virginia Tech)
Uwe C. Täuber (Virginia Tech)

Local Organizer: Leo Radzihovsky (Colorado)

The school will pay for most local expenses, and there are travel grants available for participants from U.S. universities. Students and postdocs interested in participating should submit an electronic application by the February 27 deadline. The application form, and detailed information regarding housing, travel and financial support are available at

<http://research.yale.edu/boulder>

The Boulder School in Condensed Matter and Materials Physics provides expert training, not usually available within the traditional system of graduate and post-graduate education, for advanced graduate students and postdoctoral researchers working in condensed matter physics, materials science and related fields. The School is supported by the National Science Foundation, with additional funding provided by the University of Colorado, and meets annually during July in Boulder, Colorado.

