KI-Net: Kinetic description of emerging challenges in multiscale problems of natural sciences



An NSF Research Network in Mathematical Sciences

Conference Announcement

Analysis and Computation in Kinetic Theory Nov 4 - 6, 2015

Department of Mathematics, Stanford University

Organizers

Lenya Ryzhik Lexing Ying Stanford University Stanford University



Founding Fathers of kinetic theory: Gibbs, Maxwell, and Boltzmann

Confirmed Participants

Guillame Bal Vincent Calvez Irene M. Gamba Pierre-Emmanuel Jabin Shi Jin Irene M. Gamba Alex Kiselev Tai-Ping Liu Jian-Guo Liu Jianfeng Lu Benoît Perthame Kui Ren Christian Ringhofer Eitan Tadmor Yao Yao Columbia University École Normale Supérieure de Lyon University of Texas at Austin University of Maryland University of Wisconsin-Madison University of Texas at Austin Rice University Stanford University Duke University Duke University Université Pierre et Marie Curie Université Pierre et Marie Curie University of Texas at Austin Arizona State University University of Maryland Georgia Tech

Scientific Background

Recent developments in physical and social sciences have brought new problems and insights to kinetic theory. This workshop/conference will focuses on the analytical and computational issues of kinetic theory.

Goals

This workshop/conference serves as the first one at the Stanford node. It brings experts and young researchers together across the field of kinetic theory, both in analysis and computation. It will review main problems, discuss recent developments, and identify future challenges and research directions.

A limited number of openings are available. To apply, complete the online application before October 30, 2015.

For more information and to apply:



www.ki-net.umd.edu

