



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

An NSF Research Network in Mathematical Sciences



Conference Announcement

Young Researchers Workshop Kinetic models in biology and social sciences

February 19-22, 2018

School of Mathematical and Statistical Sciences
Arizona State University

Organizers

Sara Merino Aceituno University of Sussex
Sébastien Motsch Arizona State University

Confirmed Participants

Emeric Bouin	Paris Dauphine University
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Maxime Herda	University Pierre and Marie Curie
Franca Hoffmann	California Institute of Technology
Moon-Jin Kang	Sookmyung Women's University
Kirk Kayser	Arizona State University
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Javier Morales	University of Maryland
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Maja Taskovic	University of Pennsylvania
Chuntian Wang	University of California, Los Angeles
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Scientific Background

Kinetic theory, originally developed to study problems in Mathematical Physics, has found in the recent years multiple applications in biological and social sciences. The kinetic framework investigate how large-scale structures appear due to the underlying microscopic dynamics. Emergence is ubiquitous in biological and social phenomena since they involve various levels of description (e.g. molecular, cell, tissue, organ).

Goals

The goal of this conference is to bring together young researchers working on applications of kinetic theory to biological and social sciences involving modeling, mathematical analysis and simulations. This will be the seventh in the series of Young Researcher Workshops (YRWs) hosted by Ki-Net.

A limited number of openings are available.
To apply, complete the online application before
January 15, 2018.

For more information and to apply:
www.ki-net.umd.edu

KI-Net Hubs

