



CNA/Ki-Net Workshop:

Dynamics and Geometry from High Dimensional Data

March 14–16, 2017

Carnegie Mellon University, Department of Mathematical Sciences

Speakers

Antonin Chambolle, École Polytechnique, Paris

Frédéric Chazal, INRIA Saclay

Jerome Darbon, Brown University

Massimo Fornasier, Technical University of Munich

Yannis Kevrekidis, Princeton University

Nathan Kutz, University Washington

Gilad Lerman, University of Minnesota

Jianfeng Lu, Duke University

Facundo Memoli, Ohio State University

Sebastien Motsch, Arizona State University

Christof Schütte, Freie Universität Berlin

Andrew Stuart, Caltech

Eric Vanden-Eijnden, Courant Institute, NYU

Rachel Ward, University of Texas, Austin

Larry Wasserman, Carnegie Mellon University

This workshop focuses on extracting structure from high-dimensional datasets. In particular, it will address how to reliably uncover the laws that govern the dynamics being investigated and how to discover and describe the geometry present in sets of data. The workshop will bring together researchers from a variety of fields, including statistical machine learning, applied analysis, dynamical systems, probability and stochastic processes, and computational mathematics for exchange of ideas.

A limited amount of funds is available to support researchers in the early stages of their career who want to attend the program, especially for graduate students and post-doctoral fellows.

Deadline for applications for support is January 31.

Image: Trail formation based on directed pheromone deposition, courtesy Emmanuel Boissard, Pierre Degond and Sebastien Motsch

Organizers:

Nicolás García-Trillos, Brown University

Mauro Maggioni, Johns Hopkins University

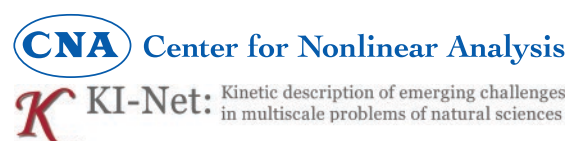
Hayden Schaeffer, Carnegie Mellon University

Dejan Slepčev, Carnegie Mellon University

Matthew Thorpe, Carnegie Mellon University

Registration: www.ki-net.umd.edu/content/conf?event_id=693

Workshop info: www.math.cmu.edu/CNA/CNA-KiNet2017



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