



Ki-Net–CNA Workshop: Groups and interactions in data, networks and biology

Carnegie Mellon University
Department of Mathematical Sciences
May 27–29, 2015

Confirmed Participants

Mikhail Belkin	Ohio State University
Andrea Bertozzi	University of California, Los Angeles
Alfred Bruckstein	Technion
Jian-Guo Liu	Duke University
Mauro Maggioni	Duke University
Georgi Medvedev	Drexel University
Cristopher Moore	Santa Fe Institute
Mason Porter	University of Oxford
Amit Singer	Princeton University
Florian Theil	University of Warwick
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Organizers:

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Individuals and agents in many systems spontaneously organize to form structures such as flocks, swarms, and clusters. Investigating the principles that govern the formation and behavior of large groups in natural systems requires understanding the structure of clusters, their connectivity, how their identities develop, and how information propagates. Similar goals are also important in statistics and machine learning for understanding massive clouds of high-dimensional data, where one relies on properties of graphs encoding data similarity. Likewise connectivity and structure play an important role in studies of network dynamics.

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

Deadline for applications for support is March 31.

www.ki-net.umd.edu

