

Call for Papers

Frontiers of Network Analysis: Methods, Models and Applications

a workshop in conjunction with the

27th Annual Conference on Neural Information Processing Systems (NIPS 2013)

December 9, 2013 – Lake Tahoe, Nevada, USA

<http://snap.stanford.edu/networks2013>

Deadline for Submissions: Wednesday, October 9, 2013

Overview

Modern technology, including the World Wide Web, telecommunication devices and services, and large-scale data storage, has completely transformed the scale and concept of data in the sciences. Modern data sets are often enormous in size, detail, and heterogeneity, and are often best represented as highly annotated sequences of graphs. Although much progress has been made on developing rigorous tools for analyzing and modeling some types of large, complex, real-world networks, much work still remains and a principled, coherent framework remains elusive, in part because the analysis of networks is a growing and highly cross-disciplinary field.

This workshop aims to bring together a diverse and cross-disciplinary set of researchers, in order to describe recent advances and to discuss future directions for developing new network methods in statistics and machine learning. By network methods, we broadly include those models and algorithms whose goal is to learn the patterns of interaction, flow of information, or propagation of effects in social, biological, and economic systems. We will also welcome empirical studies in applied domains such as the social sciences, biology, medicine, neuroscience, physics, finance, social media, and economics.

Format and Submissions

This is a one-day workshop. The program will feature 4 invited talks, poster spotlights, poster session, and a panel discussion.

We welcome the following types of papers:

1. Research papers that introduce new models or methodology, or apply established models/methods to novel domains and data sets; or,
2. Research papers that explore theoretical and computational issues.

Submissions should be 4-to-8 pages long, and adhere to NIPS format (<http://nips.cc/PaperInformation/StyleFiles>). Please make the author information visible as in the final draft.

Submissions will be accepted through the following website:

<http://www.easychair.org/conferences/?conf=netnips2013>

For up-to-date information on the workshop, please check: <http://snap.stanford.edu/networks2013>

Deadline for Submissions: Wednesday, October 9, 2013

Notification of Decision: Wednesday, October 23, 2013

Organizers:

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