HeteroNAM 2018: International Workshop on Heterogeneous Networks Analysis and Mining
Feb 9, 2018
Los Angeles, California, USA, 2018 (co-located with WSDM'18)
http://www.heteronam.org/2018
Submission Deadline: Nov 20, 2017

Call for papers:
This workshop is a forum for exchanging ideas and methods for heterogeneous networks analysis and mining, developing new common understandings of the problems at hand, sharing of data sets where applicable, and leveraging existing knowledge from different disciplines. The goal is to bring together researchers from academia, industry, and government, to create a forum for discussing recent advances in this area. In doing so, we aim to better understand the overarching principles and the limitations of our current methods and to inspire research on new algorithms and techniques for heterogeneous networks analysis and mining.

To reflect the broad scope of work on heterogeneous networks analysis and mining, we encourage submissions that span the spectrum from theoretical analysis to algorithms and implementation, to applications and empirical studies is various domains. The need for analysis and learning methods that go beyond mining simple graphs is emerging in many disciplines and are referred to with different names depending on the type of data augmenting the simple graph.

General topics of interest include, but are not limited to:

- Heterogeneous Information Networks
- Multi-Relational Networks
- Signed Networks
- Attributed Networks
- Aligned Networks
- Multigraphs
- Multidimensional Networks
- Multilayer Networks
- Complex Networks
- Multimodal Networks

Heterogenous networks are becoming the key component in many emerging applications and data-mining and graph-mining related tasks. Some of the related research areas and tasks related to heterogeneous networks include:

- Link and relationship strength prediction

- Clustering and community detection and formation modeling
- Learning to rank in information networks
- Similarity measures and relationship extraction
- Applications to modeling of weblogs, social media, social networks, medical networks, and the semantic web
- Statistical relational learning
- Tensor factorization
- Network-based classification
- Hybrid recommender systems
- Information fusion
- Network evolution and dynamic networks

All papers will be peer reviewed, single-blinded. We welcome many kinds of papers, such as, but not limited to:

- Novel research papers
- Demo papers
- Work-in-progress papers
- Visionary papers (white papers)
- Appraisal papers of existing methods and tools (e.g., lessons learned)
- Relevant work that has been previously published
- Work that will be presented at the main conference of WSDM

Authors should clearly indicate in their abstracts the kinds of submissions that the papers belong to, to help reviewers better understand their contributions.

Submissions must be in PDF, **no more than 8 pages long** — shorter papers are welcome — and formatted according to the standard double-column ACM Proceedings Style.

The accepted papers will be published on the workshop's website and will not be considered archival for resubmission purposes.

Authors whose papers are accepted to the workshop will have the opportunity to participate in a spotlight and poster session, and some set may also be chosen for oral presentation.

Timeline:
Paper Submission Deadline: Nov 20, 2017
Author Notification: Dec 14, 2017
Final Version: Jan 1, 2018
Workshop: Feb 9, 2018

Submission Instructions:
http://www.heteronam.org/2018

Please send enquiries to chair@heteronam.org

We look forward to your participation!

Organizers:
Shobeir Fakhraei (USC Information Sciences Institute)
Yanen Li (Snap Inc.)
Yizhou Sun (University of California Los angeles)
Tim Weninger (University of Notre Dame)

To receive updates about the current and future workshops and the Graph Mining community, please join the mailing list: https://groups.google.com/d/forum/mlg-list
or follow the twitter account: https://twitter.com/heteronam

Best Regards,
-- HeteroNAM Organizers
chair@heteronam.org