



DaMNet 2014 The Fourth IEEE ICDM Workshop on Data Mining in Networks December 14, 2014, Shenzhen, China (<http://damnet.reading.ac.uk>) A Workshop of the IEEE International Conference on Data Mining (ICDM)

Workshop Overview

The complexity of numerous social, biological, and communication systems, is driving many researchers towards the adoption of data mining approaches. The characterization, management and control of complex networks are challenging tasks, common to many areas of Science. The Workshop on Data Mining in Networks intends to facilitate the exchange of ideas between different research communities which share a common interest in extracting models and information from complex networks. The workshop focus will encompass data mining algorithms and applications for complex networks, such as communication networks, social networks, biological networks, citation networks, etc. The workshop is aimed at researchers in Computer Science and other disciplines like Mathematics, Biology, Neuroscience, etc., who share an interest in the analysis and control of complex networks by means of Data Mining approaches.

The workshop is co-located with ICDM 2014, the IEEE International Conference on Data Mining (<http://icdm2014.sfu.ca>).

Important Dates

Workshop papers submission:	August 22, 2014 (extended)
Notifications of paper acceptance:	September 26, 2014
Camera-ready papers:	October 23, 2014
Workshop date:	December 14, 2014

Workshop Chairs

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Topics of Interest

Contributions are sought in all Data Mining algorithms and applications in Networks, including computer networks and any other complex interconnected system. Submissions on data mining applications of particular interest are also welcome.

Data Mining algorithms and frameworks:

- Parallel and Distributed Data Mining algorithms
- Extreme-scale Data Mining
- Graph Mining
- Online Learning on Data Streams
- Data Mining in Communication Network and Service Management
- Analysis, modeling and visualization of complex and evolving networks
- Data Mining applications in Networks

Application domains:

- Computer Networks: Autonomous and Autonomic Networks, P2P, MANET, WSN
- Distributed Computing Systems: Grid/Cloud, WWW, Internet of Things (IoT)
- Social Networks
- Citation Networks and Bibliometrics
- Scale-free and small-world networks
- Bioinformatics and System Biology
- Neuroscience, Neuroinformatics

Submissions

Papers submitted to this workshop must not have been accepted for publication elsewhere or be under review for another workshop, conference or journal. Papers must be formatted to IEEE Computer Society proceedings manuscript style. For detailed formatting and submission guidelines please visit the ICDM website (<http://icdm2014.sfu.ca/submission.html>).

Workshop Proceedings and Journal Special Issue

Accepted papers will be included in the IEEE ICDM 2014 Workshops Proceedings volume published by IEEE Computer Society Press (also included in the IEEE Xplore Digital Library).

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