



## DaMNet 2013 The Third IEEE ICDM Workshop on Data Mining in Networks December 7, 2013, Dallas, Texas (<http://damnet.reading.ac.uk>) A Workshop of the IEEE International Conference on Data Mining

### 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 communication networks and other complex networks, such as peer-to-peer systems, mobile ad-hoc networks, wireless sensor networks, the World Wide Web, social networks, metabolic networks, protein-protein interaction networks, citation networks, etc. The workshop is aimed at researchers mainly in Computer Science and Communications, interested in the analysis and control of complex networks by means of Data Mining approaches. Nevertheless, the workshop intends also to attract scientists from other disciplines like Mathematics, Biology, Neuroscience, etc., with an interest in the analysis and control of complex networks by means of Data Mining approaches. The workshop is co-located with ICDM 2013, the IEEE International Conference on Data Mining (<http://icdm2013.rutgers.edu>).

### Important Dates

Workshop papers submission:	<b>August 3, 2013</b>
Notifications of paper acceptance:	September 24, 2013
Camera-ready papers:	October 8, 2013
Workshop date:	December 7, 2013

### Workshop Chairs

Dr. Giuseppe Di Fatta  
*School of Systems Engineering  
The University of Reading, UK  
Email: G.DiFatta@reading.ac.uk*

Prof. Antonio Liotta  
*Department of Electrical Engineering  
Technical University Eindhoven, The Netherlands  
E-mail: a.liotta@tue.nl*

### Topics of Interest

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

#### Data Mining algorithms and frameworks:

Graph Mining  
Online Learning on Data Streams  
Data Mining algorithms for Massive Interconnected Systems  
Distributed Data Mining Algorithms  
Data Mining algorithms based on Gossip and Epidemic protocols  
Communication Network and Service Management  
Spontaneous and Opportunistic Communications  
System Management  
Analysis, Modeling and Visualization of Complex Networks  
Analysis, Modeling and Visualization of Evolving Networks  
Monitoring, Analysis, Management and Control of Distributed Systems, Federated Databases and Large-Scale Networked Applications

#### Application domains:

Computer Networks  
Autonomous and Autonomic Networks  
Overlays and Virtual Networks  
Cognitive and Bio-inspired Networks  
Peer-to-Peer (P2P) Overlay Networks  
Mobile ad-hoc Networks (MANET)  
Wireless Sensor Networks (WSN)  
Internet Protocols data  
Large-scale Computing Systems (Grid, Cloud, P2P, Volunteer Computing)  
World Wide Web  
Social Networks  
Citation Networks and Bibliometrics  
Scale-free and Small-World Networks  
Graph Theory  
Internet of Things  
Bioinformatics and System Biology  
Neuroscience

## 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://icdm2012.ua.ac.be/submission-guidelines.php>).

## Workshop Proceedings and Journal Special Issue

Accepted papers will be included in the IEEE ICDM 2013 Workshops Proceedings volume published by IEEE Computer Society Press (also included in the IEEE Xplore Digital Library).

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