Preface

The Third International Workshop on Data Mining in Networks
(DaMNet 2013)

The complexity of numerous social, biological, and communication systems is driving many researchers towards the adoption of data mining approaches. The International Workshop on Data Mining in Networks (http://damnet.reading.ac.uk) looks specifically at how data mining is currently used for the characterization, management and control of complex networks. This aim is particularly challenging, as it requires a cross-disciplinary approach, pulling together efforts from a variety of research communities. DaMNet was born from the need to facilitate a rich exchange of ideas among computer scientists, network experts and life scientists who share a common interest in extracting models and information from complex networks. The workshop is aimed at researchers in Computer Science and Communications as well as 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 2013 edition of the workshop received 26 submissions (including 14 fast-tracked from the ICDM main conference), out of which 8 papers were selected and presented at the workshop. The resulting program provides significant applications of data mining algorithms to social networks, communication networks, wireless sensor networks and protein-protein interaction networks.

The proceedings will feed the curiosity of those scientists with a keen interest in the fascinating riddles of complex networks, providing them with a stimulating set of examples on how conventional data mining algorithms can be used to analyse and control networks.

We would like to thank all the authors who submitted their papers to the workshop, allowing us to make an excellent program. We are particularly grateful to the reviewers and to the program committee members for their suggestions and generous support in the peer review process.

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