

Overview of the ACM SIGKDD 2004 Workshops

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ABSTRACT

Following a tradition of several years, KDD conferences host a number of workshops on challenging topics that emerge and demand concerted research activities and intensive sharing of experiences. This short paper an one-glance overview of the 8 workshops that took place at August 22, 2004 before the official opening of KDD 2004 in Seattle. The individual workshop reports follow in the next pages. Complete information on the workshops including links to the individual sites can be found from the KDD 2004 web site <http://www.acm.org/sigs/sigkdd/kdd2004>.

1. INTRODUCTION

The 10th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2004) featured on August 22 a rich program of 8 workshops and 6 tutorials. The 8 workshops, accepted among 12 submissions, were as follows:

- BIOKDD04: Data Mining in Bioinformatics
- TDM 2004: Mining Temporal and Sequential Data
- MRDM 2004: Multi-Relational Data Mining
- MDM/KDD 2004: Mining Integrated Media and Complex Data
- DM-SSP 2004: Data Mining Standards, Services and Platforms
- LinkKDD 2004: Link Analysis and Group Detection
- WebKDD 2004: Web Mining and Web Usage Analysis
- MSW 2004: Mining for and from the Semantic Web

2. OVERVIEW OF THE WORKSHOPS

The *4th Workshop on Data Mining in Bioinformatics (BIOKDD04)* was organized by Mohammed Zaki (Rensselaer Polytechnic Institute), Shinichi Morishita (Univ. Tokyo) and Isidore Rigoutsos (IBM T.J. Watson Research Center). The workshop featured 6 long and 4 short papers in four sessions and one keynote invited talk by Mark Boguski (Allen Institute for Brain Science / Univ. Washington).

*KDD 2004 Workshops Chair

The *3rd International Workshop on Mining Temporal and Sequential Data (TDM 2004)* was organized by K.P. Unnikrishnan (General Motors R&D Center), Ramasamy Uthurusamy (General Motors IS&S) and Jaiwei Han (Univ. Illinois, Urbana-Champaign). The workshop had four sessions for full papers and posters with a total of 16 presentations, one invited talk by John Moody (International Computer Science Institute, Berkeley) on financial time series and a closing panel on the future of temporal mining.

The *3rd International Workshop on Multi-Relational Data Mining (MRDM 2004)* was organized by Sašo Džeroski (Jožef Stefan Institute) and Hendrik Blockeel (Katholieke Universiteit Leuven). The workshop featured 5 regular papers and two invited talks, by Lise Getoor (Univ. Maryland) on link mining and by Jaiwei Han (Univ. Illinois, Urbana-Champaign) on efficient classification across multiple relations.

The *5th International Workshop on Multimedia Data Mining (MDM/KDD 2004)* was organized by Latifur Khan (Univ. Texas, Dallas) and Valery Petrushin (Accenture Technology Labs). This year's special theme was data mining for integrated media and complex data. The workshop had 13 papers accommodated in one two-session track on theory, methodology and algorithms and one two-session track on techniques and applications. It further featured an invited talk by Forhouzan Gholzani (Wright State University) on multimedia as correlated media.

The *2nd International Workshop on Data Mining Standards, Services and Platforms (DM-SSP 2004)* was organized by Robert Grossman (Univ. Illinois, Chicago / Open Data Partners), Robert Chu (SAS), Mark Hornick (Oracle), Dustin Hux (Elder Research Inc.), Dave Selinger (Amazon.com), Zhaohui Tang (Microsoft) and Kurt Thearling (Capital One). The first session was on standards, the second on services and platforms, while the third session was on present proposals for PMML, with a total of 7 papers. The workshop also featured an invited talk by Jamie MacLennan (Microsoft) on the impact of standards and platforms on the near future of data mining.

The *2nd International Workshop on Link Analysis and Group Detection (LinkKDD 2004)* was organized by Jafar Adibi (Univ. of Southern California), Hans Chalupski (Univ. of Southern California), Marko Grobelnik (Jožef Stefan Institute), Natasa Milic-Frayling (Microsoft Research, UK) and Dunja Mladenic (Jožef Stefan Institute). The workshop featured 12 papers in three thematic groups and one invited talk by Christos Faloutsos (Carnegie Mellon University) on the analysis of graphs.

The *6th International Workshop on Knowledge Discovery from the Web (WEBKDD 2004)* was organized by Bamshad Mobasher (DePaul Univ.), Bing Liu (Univ. Illinois, Chicago), Brij Masand (Data Miners, Inc.) and Olfa Nasraoui (Univ. Louisville). This year's focus was on Web mining and usage analysis. The workshop had 10 papers, accommodated in four sessions, the last of which was devoted to mining issues common to the Web and to the Semantic Web. This session run jointly with the MSW 2004 workshop and closed with a discussion on future research issues for Web mining and Semantic Web mining.

The *International Workshop on Mining for and from the Semantic Web (MSW-2004)* was organized by Andreas Hotho (Univ. Kassel), York Sure (Univ. Karlsruhe) and Lise Getoor (Univ. Maryland). The workshop featured 9 papers and one invited talk by Alon Halevy (Univ. Washington) on the mining of structures for the prediction of semantics. The last of the workshop's four sessions was joint with the WEBKDD 2004 workshop.

3. ACKNOWLEDGEMENTS

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