

Table of Contents

Mining Epidemiological Data Sources in H1N1 Pandemic Using Probabilistic Graphical Models <i>Masoumeh Tabaeh Izadi, David Buckeridge, and Katia Charland</i>	1
Comment-guided Learning: Bridging the Knowledge Gap between Expert Assessor and Feature Engineer <i>Xiang Li, Wen-Pin Lin, and Heng Ji</i>	7
Data Preparation in the MineCor KDD Framework <i>Christian Ernst and Alain Casali</i>	16
Exploiting Background Information Networks to Enhance Bilingual Event Extraction Through Topic Modeling <i>Hao Li, Heng Ji, Hongbo Deng, and Jiawei Han</i>	23
Mining Ice Hockey: Continuous Data Flow Analysis <i>Adam Hipp and Lawrence Mazlack</i>	31
Knowledge Management System IMPPETUS (KMSI) - Connoisseur <i>Osman Ishaque, Mahdi Mahfouf, George Panoutsos, and Lucian Tipi</i>	37
Optimising Parameters for ASKNet: A Large Scale Semantic Knowledge Network Creation System <i>Brian Harrington and Simon Kempner</i>	42
Semi-Automated Semantic Annotation for Semantic Advertising Networks <i>Aseel Addawood and Lilac Al-Safadi</i>	48
Mining Cross-document Relationships from Text <i>Petr Knoth and Zdenek Zdrahal</i>	55
Analyzing the Use of Word Graphs for Abstractive Text Summarization <i>Elena Lloret and Manuel Palomar</i>	61
Improving Email Management <i>Tonu Tamme, Ulrich Norbistrath, Georg Singer, and Eero Vainikko</i>	67
A Redundant Bi-Dimensional Indexing Scheme for Three-Dimensional Trajectories <i>Antonio d'Acierno, Alessia Saggese, and Mario Vento</i>	73
Reasoning on High Performance Computing Resources <i>Axel Tenschert and Pierre Gilet</i>	79
Pervasive Ad hoc Location Sharing To Enhance Dynamic Group Tours	85

Markus Duchon, Julian Kopke, Michael Durr, Corina Schindhelm, and Florian Gschwandtner

Automatic Drug Side Effect Discovery from Online Patient-Submitted Reviews: Focus on Statin Drugs 91
Jingjing Liu, Alice Li, and Stephanie Seneff

FATS: A Framework for Annotation of Travel Blogs Based on Subjectivity 97
Inmaculada Alvarez de Mon y Rego and Liliana Ibeth Barbosa Santillan

The Migraine Radar - A Medical Study Analyzing Twitter Messages? 103
Dirk Reinel, Sven Rill, Jorg Scheidt, and Florian Wogenstein

Selecting Data Mining Model for Web Advertising in Virtual Communities 107
Jerzy Surma and Mariusz Lapczynski

Large-Scale Association Rule Discovery from Heterogeneous Databases with Missing Values using Genetic Network Programming. 113
Eloy Gonzales, Takafumi Nakanishi, and Koji Zettsu

New Solution for Extracting Inductive Learning Rules and their Post-Analysis 121
Rein Kuusik and Grete Lind

An Equivalence Class Based Clustering Algorithm for Categorical Data 127
Qingbao liu, Wanjun Wang, Su Deng, and Guozhu Dong

Exploiting Student Intervention System Using Data Mining 131
Samia Oussena, Hyensook Kim, and Tony Clark

Supporting Global Design Through Data Mining and Localization 138
Barbara Rita Barricelli and Malte Ressin

ArmSquare: An Association Rule Miner Based on Multidimensional Numbered Information Spaces 143
Iliya Mitov, Krassimira Ivanova, Benoit Depaire, and Koen Vanhoof

Review of Shape-based Similarity Algorithms and Design Retrieval Methods for Computer-aided Design and Manufacturing 149
Leila Zehtaban and Dieter Roller

Mining Information Retrieval Results Significant IR parameters 156
Jonathan Compaore, Adjil Mairam Gueye, Sebastien Dejean, Josiane Mothe, and Joelson Randriamparany

Mining Literal Correlation Rules from Itemsets 162
Alain Casali and Christian Ernst

