World Congress 2015

www.worldcongressdsa.com

The Frontiers in Intelligent Data and Signal Analysis

Hamburg, Germany

July 12 - 21, 2015

International Conference on Mass Data Analysis (MDA)
with Applications in Medicine, r/g/b Biotechnology, Food Industries and
Dietetics, Biometry and Security, and Agriculture
MDA 2015
www.mda-signals.de

Industrial Conference on Data Mining
ICDM 2015
www.data-mining-forum.de

International Conference on Machine Learning and Data Mining
MLDM 2015
www.mldm.de

MDA 2015

International Conference on Mass Data Analysis (MDA)
with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry and Security, and Agriculture

Preface

The 10th International Conference on Mass Data Analysis of Signals and Images with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics,

Biometry and Security, and Agriculture MDA 2015 held in July in Hamburg showed once more that the event is a must for all specialists from research and industry alike who like to stay informed about hot new topics in mass data analysis of signals and images. This year, papers on four general topics were presented.

These topics range from Nuclear Medicine, Material Characterization in Production, System Biology, Medical Histological Image Analysis, Video Mining in Agriculture, and Spectrometer-Signal Analysis.

A tutorial on Standardization of Immunofluorescence and a tutorial on Intelligent Image Interpretation has been held in connection with the conference.

Selected revised papers of this conference as well as contributed papers will be published in the July 2015 issue of the International Journal Transaction on Mass Data Analysis of Signals and Images.

We are happy to see that new automatic systems for the analysis of signals and images have been presented at MDA 2015 and that a lot of researchers followed our mission to bring new signal and image analysis methods into real applications that introduce a new quality level to various real life applications.

At MDA 2015, one paper becomes select for Best Paper Award. Congratulations to the nominated authors.

The 11th conference will be held in 2016 in New York (www.mda-signals.de) under the auspices of the World Congress Frontiers on Intelligent Data Analysis DSA 2016 (www.worldcongressdsa.com).

We would like to invite you to contribute to this conference. Please come and join us.

July 2015   Prof. Dr. Petra Perner
                              Chair of the Conference MDA

MDA 2015

Chair

Petra Perner ....IBaI Leipzig, Germany

Committee

Walter Arnold ....Fraunhofer-Institute of non-destructive Testing, Germany

Valentin Brimkov ....Buffalo State College, USA

Hans du Buf ....University of Algarve, Portugal

Calin Ciufudean ...."Stefan cel Mare" University, Romania

Kamil Dimililer ....Near East University, Cyprus

George C. Giakos ....University of Akron, USA

Giulio Iannello ....University Campus Bio-Medico of Rome, Italy

Rainer Schmidt ....University of Rostock, Germany

Paolo Soda ....University Campus Bio-Medico of Rome, Italy

Thang Viet...Pham Intelligent Systems Lab Amsterdam (ISLA), The Netherlands

Patrick Wang....................................Northeastern University, USA

ICDM 2015

Industrial Conference on Data Mining

Preface

The fifteenth event of the Industrial Conference on Data Mining ICDM was held in Hamburg (www.data-mining-forum.de) running under the umbrella of the World Congress "The Frontiers in Intelligent Data and Signal Analysis, DSA 2015" (www.worldcongressdsa.com).

After the peer-review process, we accepted 16 high-quality papers for oral presentation. The topics range from theoretical aspects of data mining to applications of data mining, such as in multimedia data, in marketing, in medicine and agriculture, and in process control, industry and society. Extended versions of selected papers will appear in the *International Journal Transactions on Machine Learning and Data Mining* (www.ibai-publishing.org/journal/mldm).

In all, 10 papers were selected for poster presentations and six for industry paper presentations that are published in the *ICDM Poster and Industry Proceeding by ibai-publishing* (www.ibai-publishing.org).

In conjunction with ICDM, three workshops were run focusing on special hot application-oriented topics in data mining: the Workshop on Case-Based Reasoning (CBR-MD), Data Mining in Marketing (DMM), and I-Business to Manufacturing and Lifesciences (B2ML). All workshop papers are published in the *workshop proceedings* by ibai-publishing house (www.ibai-publishing.org).

A tutorial on Data Mining, a tutorial on Case-Based Reasoning, a tutorial on Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry & Food Industry, and a tutorial on Standardization in Immunofluorescence were held before the conference.

We were pleased to give out the best paper award for ICDM for the sevens time this year. There are three announcements mentioned at www.data-mining-forum.de. The final decision was

made by the Best Paper Award Committee based on the presentation by the authors and the discussion with the auditorium. The ceremony took place during the conference. This prize is sponsored by ibai solutions (www.ibai-solutions.de), one of the leading companies in data mining for marketing, web mining and e-commerce.

We would like to thank all reviewers for their highly professional work and their effort in reviewing the papers.

We also thank the members of the Institute of Applied Computer Sciences, Leipzig, Germany (www.ibai-institut.de), who handled the conference as secretariat. We appreciate the help and understanding of the editorial staff at Springer Verlag, and in particular Alfred Hofmann, who supported the publication of these proceedings in the LNAI series.

Last, but not least, we wish to thank all the speakers and participants who contributed to the success of the conference. We hope to see you in 2016 in New York at the next World Congress "The Frontiers in Intelligent Data and Signal Analysis, DSA 2016" (www.worldcongressdsa.com) that combines under its roof the following three events: International Conferences Machine Learning and Data Mining MLDM, the Industrial Conference on Data Mining ICDM, and the International Conference on Mass Data Analysis of Signals and Images in Medicine, Biotechnology, Chemistry and Food Industry MDA.

July 2015   Petra Perner

ICDM 2015

Chair

Petra Perner .... IBal Leipzig, Germany

Committee

Ajith Abraham.................................	Machine Intelligence Research Labs, USA
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Victor Sheng....................................	University of Central Arkansas, USA

Kaoru Shimada .... Section of Medical Statistics, Fukuoka Dental College, Japan

Gero Szepannek .... Santander Consumer Bank, Germany

MLDM 2015

International Conference on Machine Learning and Data Mining

Word of the Chair

The tenth event of the International Conference on Machine Learning and Data Mining MLDM 2015 was held in Hamburg (www.mldm.de) running under the umbrella of the Worldcongress "The Frontiers in Intelligent Data and Signal Analysis, DSA2015" (www.worldcongressdsa.com).

For this edition the Program Committee received 123 submissions. After the peer-review process, we accepted 41 high-quality papers for oral presentation from these are 40 included in this proceeding book. The topics range from theoretical topics for classification, clustering, association rule and pattern mining to specific data mining methods for the different multimedia data types such as image mining, text mining, video mining and web mining. Extended versions of selected papers will appear in the International Journal Transactions on Machine Learning and Data Mining (www.ibai-publishing.org/journal/mldm).

A tutorial on Data Mining, a tutorial on Case-Based Reasoning, a tutorial on Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry & Food Industry, a tutorial on Standardization in Immunofluorescence, and a tutorial on Big Data and Text Analysis were held before the conference.

We are pleased to give out the best paper award for MLDM for the fourth time this year. There are four announcement mentioned at www.mldm.de. The final decision was made by the Best Paper Award Committee based on the presentation by the authors and the discussion with the auditorium. The ceremony took place during the banquet. This price is sponsored by ibai solutions (www.ibai-solutions.de), one of the leading companies in data mining for marketing, web mining and e-commerce.

The conference was rounded up by an outlook of new challenging topics in ma-chine learning and data mining before the Best Paper Award Ceremony.

We like to thank all reviewers for their highly professional work and their effort in reviewing the papers. We also thank members of Institute of Applied Computer Sciences, Leipzig, Germany (www.ibai-institut.de) who handed the conference as secretariat. We appreciate the help and understanding of the editorial staff at Springer Verlag, and in particular Alfred Hofmann, who supported the publication of these proceedings in LNAI series.

Last, but not least, we wish to thank all the speakers and participants who contributed to the success of the conference. See you in 2016 in New York to the next Worldcongress (www.worldcongressdsa.com) "The Frontiers in Intelligent Data and Signal Analysis, DSA2016" that combines under his roof the following three events: International Conferences Machine Learning and Data Mining MLDM, the Industrial Conference on Data Mining ICDM, and the International Conference on Mass Data Analysis of Signals and Images in Medicine, Biotechnology, Chemistry and Food Industry MDA.

July 2015   Petra Perner

MLDM 2015

Chair

Petra Perner ....IBaI Leipzig, Germany

Committee

Sergey V Ablameyko......................	Belarus State University, Belarus
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Gabriella Sanniti di Baja................	CNR, Italy
Linda Shapiro	University of Washington, USA
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Alexander Ulanov............................	HP Labs, Russian Federation
Patrick Wang....................................	Northeastern University, USA

Additional Reviewers

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Goce Ristanoski...............................	NICTA, Australia
Hamed Bolandi................................	Islamic Azad University (IAU), Iran

Program

MDA 2015

**10th International Conference on Mass Data Analysis
with Applications in Medicine, r/g/b Biotechnology, Food
Industries and Dietetics, Biometry and Security, and Agriculture**

www.mda-signals.de

Sunday, July 12, 2015

08:30 am	Registration
08:50 am	Opening

Nuclear Medicine

09:00 am	Applying Ontology and Information Extraction Techniques to Develop a Nuclear Medicine Examination Report Auditing System in Department of Nuclear Medicine

Jui-Jen Chen, Hung-Chi Yen, Shu-Hua Huang, Yen-Hsiang Chang, Huang-Chung Chen, Shin-Chun Huang

System Biology

09:30 am	Basic Support of Fuzzy Filters of Biological Data

Calin Ciufudean

10:00 am	Coffee Break

Material Characterization in Production

10:15 am	A Concurrent Skeleton-based Approach for the Characterization of Wood Fibers with Sub-Pixel Precision For Fiber Board Production

Benjamin Seppke, Christian Bähnisch, Jan Benthien, Sabrina Heldner, and Martin Ohlmeyer

Medical Histological Image Analysis

10:45 am	Blur Detection and Visualization in Histological Whole Slide Images
	Christophe Avenel, Ingrid B. Carlbom
11:15 am	Break

Video Mining in Agriculture

11:30 am	Agriculture Consultation Video Shot Semantic Annotation using Random Forest
	Cheng Cai, Li Zhao and Shuqin Li

Spectrometer Signal Analysis

12:00 pm	Case-Based Reasoning for Spectrometer Signal Analysis
	Petra Perner
01:30 pm	Lunch
	Discussion and Outlook of MDA
02:00 pm	End of Conference
06:00 pm	**Banquet**
	Best Paper Award

Tuesday, July 14, 2015

Tutorial Day

09:00 am –	**Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry & Food Industry**
01:00 pm	*Prof. Dr. Petra Perner*

01:00 pm –	
02:00 pm	Lunch

ICDM 2015

15th Industrial Conference on Data Mining

www.data-mining-forum.de

Wednesday, July 15, 2015

First Conference Day

08:30 am	Registration
08:50 am	Opening

Business Intelligence and Customer Relationship Management

09:00 am	Improving the Predictive Power of Business Performance Measurement Systems by Constructed Data Quality Features - Five Cases *Markus Vattulainen*
09:30 am	How to Support Customer Segmentation with Useful Cluster Descriptions *Hans Friedrich Witschel, Simon Loo, Kaspar Riesen*
10:00 am	Retail store segmentation for target marketing *Emrah Bilgic, Mehmed Kantardzic, Ozgur Cakir*
10:30 am	Coffee Break

Data Mining in Medicine and System Biology

11:00 am	Searching for Biomarkers indicating a Development of Insulin Dependent Diabetes Mellitus *Rainer Schmidt*
11:30 am	Predictive Modelling for End-of-Life Pain Outcome using Electronic Health Records *Muhammad K. Lodhi, Janet Stifter, Yingwei Yao, Rashid Ansari, Gail M. Keenan, Diana J. Wilkie, Ashfaq A. Khokhar*

12:00 pm	Study of a bias in the offline evaluation of a recommendation algorithm
	Arnaud de Myttenaere, Boris Golden, Bénédicte Le Grand, and Fabrice Rossi
12:30 pm	Lunch

Aspects of Data Mining

02:00 pm	From Data to Decision Making in the South African Mining Industry
	Hartmut Ilgner, Stefan Brink, Abraham van Zyl Brink
02:30 pm	Probabilistic Hoeffding Trees, Sped-Up Convergence and Adaption of Online Trees on Changing Data Streams
	Jonathan Boidol, Andreas Hapfelmeier and Volker Tresp
03:00 pm	Fast and Robust Supervised Learning in High Dimensions Using the Geometry of the Data
	Ujjal Kumar Mukherjee, Subhabrata Majumdar, and Snigdhansu Chatterjee
03:30 pm	Coffee Break
04:00 pm	Constructing parallel association algorithms from function blocks
	Ivan Kholod, Mikhail Kuprianov and Andrey Shorov

Data Mining in Finance

04:30 am	Quantifying the Hidden Factors Impacting the Audience of Advertisements posted on Facebook
	Mamadou Diaby and Emmanuel Viennet
05:00 pm	Estimating Risk of Dynamic Trading Strategies from High Frequency Data Flow
	Yuri Balasanov, Alexander Doynikov, Victor Lavrentev, Leonid Nazarov

05:30 pm	Generalized ATM Fraud Detection
	Steffen Priesterjahn, Maik Anderka, Timo Klerx, and Uwe Mönks
06:00 pm	End of First Conference Day
06:30 pm	**Banquet**
	Best Paper Award

Thursday, July 16, 2015

Second Conference Day

| 08:30 am | Registration |

Text and Document Mining

09:00 am	Making Topic Words Distribution More Accurate and Ranking Topic Significance According to the Jensen-Shannon Divergence from Background Topic
	Iwao Fujino and Yuko Hoshino
09:30 am	Visualized Episode Mining with Feature Granularity Selection
	Sonja Ansorge, Jana Schmidt
10:00 am	An Unexpectedness-Augmented Utility Model for Making Serendipitous Recommendation
	Qianru Zheng, Chi-Kong Chan, and Horace H.S. Ip
10:30 am	Coffee Break

Data Mining in Environment

11:00 am	An Approach for Predicting River Water Quality using Data Mining Technique
	Bharat B Gulyani, J Alamelu Mangai
11:30 am	Topic Extraction Analysis for Monetary Policy Minutes of Japan in 2014 - Effects of the Consumption Tax Hike in April –

Yukari Shirota, Takako Hashimoto, and Tamaki Sakura

12:00 pm	Identify Error-Sensitive Patterns by Decision Tree *William Wu*
00:30 pm	Lunch Break

02:00 pm **Poster Session**

An Efficient Data Mining Approach to Concept Map Generation for Adaptive Learning
Xiaopeng Huang, Kyeong Yang, and Victor B. Lawrence

Learning from imbalanced datasets using supervised clustering based under sampling technique for customer scoring
Sankara Prasad Kondareddy

Auditory Scene Analysis Based on Wavelet Transform and Hidden Markov Models
Joohee Kim, Incheol Kim

The influence of data information-carrying capacity on quality of text mining
Marcin Gibert

Operator Terminal Sales Strategy Based on Data Mining
Mengshan Hu, Dong Liang, Xiaoyan Cao, and Meizhen Liu

The Curve Fitting Approach for Classification Problems
Övünç Polat

Modeling ATM Location Optimization using Predictive Modeling

*Ekrem Duman, Osman Vargeloğlu, Başak Kılıç,
Seyfullah Özbek, Zeynep Ünal, Begüm
Semercioğlu, Umut Kapucu, Halil İbrahim Soytürk,
Ayşe Büyükkaya*

03:00 pm	Coffee Break

Case-Based Reasoning

03:30 pm	A new Retrieval Function for Ontology-Based Complex Case Descriptions
	Hans Friedrich Witschel, Andreas Martin, Sandro Emmenegger, Jonas Lutz
04:00 pm	On Comparing jCOLIBRI and myCBR in the Frame of a Support System for Cash Machines
	Bernhard Freudenthaler, Christian Lettner, Reinhard Stumptner
04:30 pm	Proposition of Similarity Measure without Calculation: Application on CBR for Waste Treatment
	Philippe Chazara, Stéphane Negny, and Ludovic Montastruc
05:00 pm	Coffee Break

Data Mining in Marketing

05:15 pm	A Graph-Based Recommender for Enhancing the Assortment of Web Shops
	Hans Friedrich Witschel, Emidio Gallié, Kaspar Riesen
05:45 pm	Performance of Hybrid Predictive Models Based on Fuzzy C-means and Decision Trees
	Mariusz Łapczynski and Bartłomiej Jefmanski
06:15 pm	Evaluating Data Integration in the CRM-context at the example of the automobile industry
	Christoph Wortmann, Alexander Piazza, Dorothee Brauner, and Horst-Florian Jäck

06:45 pm	**Break**
07:00 pm	**E-Business to Manufacturing and Life Sciences B2ML**
	to be announced
08:30 pm	**End of Conference**

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Saturday, July 18, 2015

Tutorial Day

09:00 am –	**Case-Based Reasoning**
01:00 pm	*Prof. Dr. Petra Perner*

01:00 pm –	
02:00 pm	Lunch

Sunday, July 19, 2015

Tutorial Day

09:00 am –	**Data Mining**
01:00 pm	*Prof. Dr. Petra Perner*

01:00 pm –	
02:00 pm	Lunch

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MLDM 2015

11th International Conference on
Machine Learning and Data Mining

Monday, July 20, 2015

First Conference Day

08:30 am	Registration
08:50 am	Opening

Graph Mining

09:00 am	Greedy Graph Edit Distance
	Kaspar Riesen, Miquel Ferrer, Rolf Dornberger and Horst Bunke
09:30 am	Learning Heuristics to Reduce the Overestimation of Bipartite Graph Edit Distance Approximation
	Miquel Ferrer, Francesc Serratosa, and Kaspar Riesen
10:00 am	Seizure Prediction by Graph Mining, Transfer Learning, and Transformation Learning
	Nimit Dhulekar, Srinivas Nambirajan, Basak Oztan, and Bulent Yener
10:30 am	Coffee Break

Classification and Regression

11:00 am	Local and Global Genetic Fuzzy Pattern Classifiers
	Soren Atmakuri Davidsen, E. Sreedevi, and M. Padmavathamma
11:30 am	Incremental Kernel LTSA Method
	Chao Tan, Jihong Guan and Shuigeng Zhou
12:00 pm	Lunch

Sentiment Analysis

| 01:30 pm | SentiSAIL: Sentiment Analysis in English, German and Russian |
| | *Gayane Shalunts and Gerhard Backfried* |

| 02:00 pm | Sentiment Analysis for Government: an optimized approach |
| | *Angelo Corallo, Laura Fortunato, Marco Matera* |

Data Preparation and Missing Values

| 02:30 pm | A Novel Algorithm for the Integration of the Imputation of Missing Values and Clustering |
| | *Roni Ben Ishay, Maya Herman* |

| 03:00 pm | Coffee Break |

Data Preparation and Missing Values

| 03:30 pm | Improving the Algorithm for Mapping of OWL to Relational Database Schema |
| | *Chien D. C. Ta, Tuoi Phan Thi* |

| 04:00 pm | Robust Principal Component Analysis of Data with Missing Values |
| | *Tommi Kärkkäinen and Mirka Saarela* |

| 04:30 pm | Break |

Applications of Data Mining

| 04:45 pm | Data Driven Geometry for Learning |
| | *Elizabeth P. Chou* |

| 05:15 pm | Mining Educational Data to Predict Students' Academic Performance |
| | *Mona Al-Saleem, Norah Al-Kathiry, Sara Al-Osimi, and Ghada Badr* |

| 05:45 pm | Patient-Specific Modelling of Medical Data |
| | *Guilherme Alberto Sousa Ribeiro, Alexandre Cesar Muniz de Oliveira, Antonio Luiz S. Ferreira, Shyam Visweswaran, Gregory F. Cooper* |

06:00 pm	End of First Conference Day
06:30 pm	**Banquet**
	Best Paper Award

Tuesday, July 21, 2015

Second Conference Day

Association and Sequential Rule Mining

09:00 am	Efficient Mining of High-Utility Sequential Rules
	Souleymane Zida, Philippe Fournier-Viger, Cheng-Wei Wu, Jerry Chun-Wei Lin, Vincent S. Tseng
09:30 am	MOGACAR: A Method for Filtering Interesting Classification Association Rules
	Diana Benavides Prado

Support Vector Machines

10:00 am	Classifying Grasslands and Cultivated Pastures in the Brazilian Cerrado Using Support Vector Machines, Multilayer Perceptrons and Autoencoders
	Wanderson Costa, Leila Fonseca, and Thales Körting
10:30 am	Coffee Break

Support Vector Machines

11:00 am	Hybrid Approach for Inductive Semi Supervised Learning using Label Propagation and Support Vector Machine
	Aruna Govada, Pravin Joshi, Sahil Mittal, Sanjay K Sahay

Frequent Item Set Mining and Time Series Analysis

| 11:30 am | Optimizing the Data-Process Relationship for Fast Mining of Frequent Itemsets in MapReduce |
| | *Saber Salah, Reza Akbarinia, and Florent Masseglia* |

| 12:00 pm | Aggregation-Aware Compression of Probabilistic Streaming Time Series |
| | *Reza Akbarinia and Florent Masseglia* |

| 12:30 pm | Lunch |

Clustering

| 02:00 pm | Applying Clustering Analysis to Heterogeneous Data Using Similarity Matrix Fusion (SMF) |
| | *Aalaa Mojahed, Joao Bettencourt Da Silva, Wenjia Wang* |

| 02:30 pm | On Bicluster Aggregation and its Benefits for Enumerative Solutions |
| | *Saullo Oliveira, Rosana Veroneze, and Fernando J. Von Zuben* |

| 03:00 pm | Semi-Supervised Stream Clustering using labeled data points |
| | *Kritsana Treechalong, Thanawin Rakthanmanon and Kitsana Waiyamai* |

| 03:30 pm | Avalanche: A Hierarchical, Divisive Clustering Algorithm |
| | *Paul Amalaman, Christioph Eick* |

| 04:00 pm | Coffee Break |

Text Mining

| 04:30 pm | Author Attribution of Email Messages Using Parse-Tree Features |
| | *Jagadeesh Patchala, Raj Bhatnagar, and Sridharan Gopalakrishnan* |

05:00 pm	Query Click and Text Similarity Graph for Query Suggestions
	Sejal D, Shailesh K G, Tejaswi V, Dinesh Anvekar, Venugopal K R, S S Iyengar, and L M Patnaik
05:30 pm	Online Writer Identification in Tamil Using Bagged Classification Trees
	Sudarshan Babu

Applications of Data Mining

06:00 pm	Data Analysis for Courses Registration
	Nada Alzahrani, Rasha Alsulim, Nourah Alaseem, and Ghada Badr
06:30 pm	Learning the Relationship between Corporate Governance and Company Performance using Data Mining
	Darie Moldovan and Simona Mutu
07:00 pm	A Bayesian Approach to Sparse Learning-To-Rank for Search Engine Optimization
	Olga Krasotkina, Vadim Mottl
07:30 pm	Break
07:45 pm	A Bayesian Approach to Sparse Cox Regression in High-dimensional Survival Analysis
	Olga Krasotkina and Vadim Mottl
08:15 pm	Lasso Based Feature Selection for Malaria Risk Exposure Prediction
	Bienvenue Kouwayé, Noel Fonton, and Fabrice Rossi
08:45 pm	**End of Conference and End of Worldcongress**

Dear Author,

to ensure that the proceedings and a particular paper from the proceedings is properly cited, we would highly recommend that you follow the citation style given below.

If you do not properly follow the citation style given below you might risk that your paper or any of the other papers is not properly recognized by the citation index.

Thank you for talking care of this important issue.

Kind regards,
Prof. Dr. Petra Perner
Chair of the Conference

Recommended Citation Style of the Proceedings and the Papers

Perner, P. (Ed.) ICDM2006, lnai, vol. 4065, Springer, Heidelberg (2006)

A particular paper:
Schmidt, R., Waligora, T.: Using Prototypes and Adaption Rules for Diagnosis of Dysmorphic Syndromes. In: Perner, P. (Ed.) ICDM2006, lnai, vol. 4065, pp. 1-10, Springer, Heidelberg (2006)

Example for Poster Proceedings:
Chua, S., Coenen, F.: Rule Learning with Negation for Text Classification. In: Perner, P. (Ed.)
MLDM2011, Poster Proceedings, pp. 1-14, ibai-publishing, Fockendorf, ISBN 978-3-942952-03-3 (2011)

Example for Workshop Proceedings:
Bobrowski, L.: Class Separating Measures of Similarity for the CBR Scheme.
In: Bichindaritz, I., Perner, P., Ruß, G., Schmidt, R., Perner, P. (Eds.) ICDM2012, Workshop Proceedings, pp. 5-19, ibai-publishing, Fockendorf, ISBN 978-3-942952-16-3 (2012)

Example for Journal:
Giacinto, G.: Moving Targets in Computer Security and Multimedia Retrieval. Transactions on Machine Learning and Data Mining 4(1), 30-52, ISSN 1865-6781 (2011)

A Note on Citation Policy

As you might know, the value of a publication, a conference or a workshop is judged based on the citation rate. American publications and conferences are highly ranked based on this statistical measure. American publishers make sure that people accept this policy and publish papers that cite the respective publications published in the journal or at the conference where the researchers submit their paper.

If you want your publication to be considered a valuable one, you should follow this policy when you publish at the conferences ICDM, MLDM or MDA. The papers of ICDM, MLDM and MDA are published in the Springer LNCS or LNAI Series and by ibai-publishing Prof. Dr. Petra Perner and most of the libraries worldwide have a copy of these proceedings. Also, the library index at **http://www.informatik.uni-trier.de/~ley/db/** carefully lists all publications that have been published at these conferences.

All OPEN ACCESS journals of ibai-publishing are also listed there:

* **International Journal Transactions on Machine Learning and Data Mining**
  (http://www.informatik.uni-trier.de/~ley/db/journals/mldm/index.html)

* **International Journal Transactions on Case-Based Reasoning**
  (http://www.informatik.uni-trier.de/~ley/db/journals/cbrmd/index.html)

* **International Journal Transactions on Mass Data Analysis of Signals and Images**
  (http://www.informatik.uni-trier.de/~ley/db/journals/mda/index.html).

Any researcher can access this index for free. It shows title, authors and their affiliation, and abstract. It provides a researcher with a fast and complete overview of all publications presented at a conference or a workshop or published in a journal.

So please, before you submit a paper, check the index for relevant publications. If you have only cited publications from outside the main stream of ICDM, MLDM or MDA or any of the journals, the question will be raised why you then did not publish your paper outside the main stream.

If the reviewer suggests to cite a publication, please do so!
It will make your publication more valuable.

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