

# Call for Papers

## 9<sup>th</sup> International Conference on Machine Learning and Data Mining MLDM'2013

July 23 – 25, 2013, New York/USA

**Chair: Prof. Dr. Petra Perner**

Institute of Computer Vision and applied Computer Sciences, IBAI Leipzig/Germany

### Aim of the Conference

The MLDM'2013 conference is the ninth event in a series of Machine Learning and Data Mining meetings, initially organised as international workshops. The aim of MLDM'2013 is to bring together from all over the world researchers dealing with machine learning and data mining, in order to discuss the recent status of the research in the field and to direct its further developments.

Basic research papers as well as application papers are welcome. All kinds of applications are welcome, but special preference will be given to multimedia related applications, biomedical applications, and webmining. Paper submissions should be related but not limited to any of the following topics:

- association rules
- Audio Mining
- case-based reasoning and learning
- classification and interpretation of images, text, video
- conceptional learning and clustering
- Goodness measures and evaluation (e.g. false discovery rates)
- inductive learning including decision tree and rule induction learning
- knowledge extraction from text, video, signals and images
- mining gene data bases and biological data bases
- mining images, temporal-spatial data, images from remote sensing
- mining structural representations such as log files, text documents and HTML documents
- mining text documents
- organisational learning and evolutionary learning
- probabilistic information retrieval
- Selection bias
- Sampling methods
- Selection with small samples
- similarity measures and learning of similarity
- statistical learning and neural net based learning
- video mining
- visualization and data mining
- Applications of Clustering
- Aspects of Data Mining
- Applications in Medicine
- Automatic Semantic Annotation of Media Content
- Bayesian Models and Methods
- Case-Based Reasoning and Associative Memory
- Classification and Model Estimation
- Content-Based Image Retrieval
- Decision Trees
- Deviation and Novelty Detection
- Feature Grouping, Discretization, Selection and Transformation
- Feature Learning
- Frequent Pattern Mining
- High-Content Analysis of Microscopic Images in Medicine, Biotechnology and Chemistry
- Learning and adaptive control
- Learning/adaptation of recognition and perception
- Learning for Handwriting Recognition
- Learning in Image Pre-Processing and Segmentation
- Learning in process automation
- Learning of internal representations and models
- Learning of appropriate behaviour
- Learning of action patterns
- Learning of Ontologies
- Learning of Semantic Inferencing Rules
- Learning of Visual Ontologies
- Learning robots
- Mining Financial or Stockmarket Data
- Mining Images in Computer Vision
- Mining Images and Texture
- Mining Motion from Sequence

- Neural Methods
- Network Analysis and Intrusion Detection
- Nonlinear Function Learning and Neural Net Based Learning
- Real-Time Event Learning and Detection
- Retrieval Methods
- Rule Induction and Grammars
- Speech Analysis
- Statistical and Conceptual Clustering
- Methods: Basics
- Statistical and Evolutionary Learning
- Subspace Methods
- Support Vector Machines
- Symbolic Learning and Neural Networks in Document Processing
- Text Mining
- Time Series and Sequential Pattern Mining
- Mining Social Media

## Program Committee

Agnar Aamodt	NTNU/Norway	Mariofanna Milanova	University of Arkansas at Little Rock/USA
Sergey V Ablameyko	Belarus State University, Belarus	Jussi Parkinen	Monash University, USA
Jacky Baltes	Universtiy of Manitoba/Canada	Roman Palenichka	Universite du Quebec en Outaouais, Canada
Michelangelo Ceci	University of Bari, Italy	Thang V. Pham	University of Amsterdam/Netherlands
Patrick Bouthemey	INRIA VISTA, France	Maria da Graca Pimentel	Universidade de São Paulo/Brazil
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Christoph F. Eick	University of Houston/USA	Petia Radeva	Universitat Autònoma de Barcelona, Spain
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Giorgio Giacinto	University of Cagliari/Italy	Fabio Roli	University of Cagliari/Italy
Patrick Gros	INRIA Texmex, France	Ovidio Salvetti	CNR-ISTI, Italy
Makato Haraguchi	Hokkaido University Sapporo/Japan	Emanuele Salerno	ISTI-CNR, Italy
Robert J. Hilderman	University of Regina/Canada	Linda Shapiro	University of Washington/USA
Eyke Hüllermeier	University of Marburg/Germany	Sameer Singh	Loughborough University/UK
Atsushi Imiya	Chiba University/Japan	Harald Steck	Bell Laboratories/ USA Amit Thombre
Abraham Kandel	University of South Florida / USA	Harald Steck	Bell Laboratories/ USA Amit Thombre
Dimitrios A. Karras	Chalkis Institute of Technology/Greece	Tamas Sziranyi	MTA-SZTAKI, Hungary
Adam Krzyzak	Concordia University, Contreal/Canada	Amit Thombre	Tech Mahindra, India
Tao Li	Florida International University/USA	Francesco Tortorella	Universita' degli Studi di Cassino/Italy
Brian Lovell	University of Queensland/Australia	Alexander Ulanov	HP Labs/ Russian Federation
		Patrick Wang	Northeastern University/USA

## Important Dates

**Deadline for paper submission:**    **December 18, 2012**  
**Notification of acceptance:**        February 28 , 2013  
**Submission of camera-ready copy:** April 05, 2013

Authors can submit their papers in long or short version:

Please submit the electronic version of your camera-ready paper through the COMMENCE conference management system (<http://www.mldm.de/CMS/>). If you have any problems with the system please do not hesitate to contact [info@mldm.de](mailto:info@mldm.de).

### *Long Papers*

Long papers must be formatted in the Springer LNCS format. They should have at most 15 pages. Papers will be reviewed by the program committee. Accepted long papers will appear in the proceedings book "Machine Learning and Data Mining in Pattern Recognition" published by Springer Verlag in the LNAI series. Extended versions of selected papers will be published in a special issue of an international journal after the conference.

### *Short Papers*

Short papers are also welcome and can be used to describe work in progress or project ideas. They should have no more than 5 pages and must be also formatted in Springer LNCS format. Accepted short papers will be presented as posters in the poster session. They will be published in a special poster proceedings book. Papers will be submitted via the online reviewing system.

## Tutorials

### Data Mining Tutorial

Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,  
July 21th, 2013, New York/ USA  
[http://www.mldm.de/t\\_dm.php](http://www.mldm.de/t_dm.php)

### Case-Based Reasoning Tutorial

Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,  
July 20th, 2013, New York/ USA  
[http://www.mldm.de/t\\_cbr.php](http://www.mldm.de/t_cbr.php)

### Tutorial Big Data & Text Analytics

Dunja Mladenic, Marko Grobelnik and Blaz Fortuna, J. Stefan Institute,  
July 20th, 2013, New York/ USA  
[http://www.mldm.de/t\\_bdt.php](http://www.mldm.de/t_bdt.php)

### Tutorial Standardization in Immunofluorescence

ImageInterpret GmbH,  
July 13th, 2013 New York, USA,  
<http://www.imageinterpret.de/tutorial.php>

### Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry & Food Industry

Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,  
July 20th, 2013, New York/ USA  
[http://www.mldm.de/w\\_pattern\\_recognition.php](http://www.mldm.de/w_pattern_recognition.php)

## Workshops (<http://www.mldm.de/workshops.php>)

### Workshop on Data Mining in Life Sciences DMLS 2013

July 19, 2013, New York/ USA  
Workshop Chairs: Isabelle Bichindaritz, State University of New York, USA,  
Rainer Schmidt, University of Rostock, Germany

### Workshop on Data Mining in Marketing DMM 2013

July 19, 2013, New York/ USA  
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBaI, Germany

### International Workshop Case-Based Reasoning CBR-MD 2013

July 19, 2013, New York/USA,  
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBaI, Germany

### Workshop Data Mining in Agriculture DMA 2013

July 19, 2013, New York/ USA  
Workshop Chair: Georg Ruß, tecData AG, Uzwil, Switzerland

### International Workshop on Intelligent Pattern Recognition and Applications WIPRA 2013

July 19, 2013, New York/ USA  
Workshop Chair: Patrick Wang, North Eastern University Boston, USA

## Exhibition

### 13th Industrial Exhibition on Intelligent Data and Image Analysis IEDA 2013

July 19-21, 2013, New York/ USA  
We like to invite you to present your company or publishing house at the Industrial Exhibition ieda 2013  
([www.iedaexhibition.de](http://www.iedaexhibition.de)).