Call for Papers
17th International Conference on Machine Learning and Data Mining
MLDM´2021
www.mldm.de
July 17 - 22, 2021
New York, USA

Chair
Petra Perner
FutureLab Artificial Intelligence_IBal_II
Radeberg, Germany

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Aim of the Conference
The MLDM´2021 conference is the fourteenth event in a series of Machine Learning and Data Mining meetings. The aim of MLDM 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:

- Applications in Medicine
- Applications of Clustering
- Aspects of Data Mining
- Association Rules
- Audio Mining
- Automatic Semantic Annotation of Media Content
- Bayesian Models and Methods
- Case-Based Reasoning and Associative Memory
- case-based reasoning and learning
- classification and interpretation of images, text, video
- Classification and Model Estimation
- Cognition and Computer Vision
- conational learning and clustering
- Content-Based Image Retrieval
- Decision Trees
- Deviation and Novelty Detection
- Feature Grouping, Discretization, Selection and Transformation
- Feature Learning
- Frequent Pattern Mining
- Goodness measures and evaluation (e.g. false discovery rates)
- High-Content Analysis of Microscopic Images in Medicine, Biotechnology and Chemistry
- inductive learning including decision tree and rule induction learning
- knowledge extraction from text, video, signals, and images
- Learning and adaptive control
- Learning for Handwriting Recognition
- Learning for robots
- Learning in Image Pre-Processing and Segmentation
- Learning in process automation
- Learning of action patterns
- Learning of appropriate behaviour
- Learning of internal representations and models
- Learning of Ontologies
- Learning of Semantic Inferencing Rules
- Learning of Visual Ontologies
- Learning/adaption of recognition and perception
- mining gene data bases and biological data bases
- Mining Images and Texture
- Mining Images in Computer Vision
- mining images, temporal-spatioal data, images from remote sensing
• Mining Motion from Sequence
• Mining Social Media
• mining structural representations such as log files, text documents and HTML documents
• mining text documents
• Network Analysis and Intrusion Detection
• Neural Methods
• Nonlinear Function Learning and Neural Net-Based Learning
• organisational learning and evolutiional learning
• probabilistic information retrieval
• Real-Time Event Learning and Detection
• Retrieval Methods
• Rule Induction and Grammars
• Sampling methods
• Selection bias
• Selection with small samples
• similarity
• similarity measures and learning
• Speech Analysis
• Statistical and Conceptual Clustering Methods: Basics
• Statistical and Evolutionary Learning
• statistical learning and neural net-based learning
• Subspace Methods
• Support Vector Machines
• Symbolic Learning and Neural Networks in Document Processing
• Time Series and Sequential Pattern Mining
• video mining
• visualization and data mining

Important Dates
Deadline for paper submission: January 15, 2021
Notification of acceptance: March 18, 2021
Submission of camera-ready copy: April 05, 2021

Paper submission
Please submit the electronic version of your camera-ready paper through the conference management system (http://www.easychair.org/). If you have any problems with the system please do not hesitate to contact info@mldm.de.

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". The proceedings book will be published as OPEN-ACCESS book. The book can read everybody in the world.
Extended versions of selected papers will be published in a special issue of an international journal after the conference.

**Tutorials**

Tutorial Standardization in Immunofluorescence  
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBal,  
http://www.mda-signals.de/t_stand.php

Data Mining Tutorial  
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBal,  
http://www.data-mining-forum.de/t_dm.php

Case-Based Reasoning Tutorial  
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBal,  
http://www.data-mining-forum.de/t_cbr.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 IBal  
http://www.data-mining-forum.de/t_iicv.php

**Workshops** (http://www.data-mining-forum.de/workshops.php)

* Workshop I-Business to Manufacturing and LifeScience B2ML 2021  
* Workshop on Data Mining in Marketing DMM 2021  
* International Workshop Case-Based Reasoning CBR-AI&PR 2021  
* Intern. Workshop on Multimedia Forensic Data Analysis Forensic 2021

**Exhibition**

18th Industrial Exhibition on Intelligent Data and Image Analysis IEDA 2021  
We like to invite you to present your company or publishing house at the Industrial Exhibition IEDA 2021 (www.iedaexhibition.de).