Call for Papers

15th International Conference on Machine Learning and Data Mining

MLDM 2019

with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry and Security, Agriculture, Drug Discover, and System Biology

July 20 – 25, 2019, New York / USA

Chair: Prof. Dr. Petra Perner

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

Aim of the Conference

The aim of the conference is to bring together researchers from all over the world who deal with machine learning and data mining in order to discuss the recent status of the research and to direct 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.

Program Committee

Reneta Barneva	The State University of New York at Fredonia, USA
Michelangelo Ceci	Universtiy of Bari, Italy
Roberto Corrizo	Universtiy of Bari, Italy
Christoph F. Eick	Universtiy of Houston, USA
Ana Fred	Technical University of Lisboa, Portugal
Giorgio Giacinto	University of Cagliari, Italy
Aminata Kane	Concordia University, Canada
Piet Kommers	University of Twente, The Netherlands
Olga Krasotkina	Russian Stae University, Russia
Dimitris Karras	Chalkis Institute of Technology, Greece
Adam Krzyzak	Concordia University, Canada
Valerio Pascucci	University of Utah, USA
Gianvito Pio	University of Bari, Italy
Francis E.H. Tay	National University of Singapore, Singapore
Turki Turki	King Abdulaziz University, Saudi Arabia
Zeev Volkovich	ORT Braude College of Engineering, Israel
Patrick Wang	Northeastern University, USA

Important Dates

Deadline for paper submission:	**January 15th, 2019**
Notification of acceptance:	April 10th, 2019
Submission of camera-ready copy:	April 4th, 2019

Topics

Paper submissions should be related but not limited to any of the following:

- association rules
- Audio Mining
- case-based reasoning and learning
- classification and interpretation of images, text, video
- conceptional learning and clustering
- Goodness measures and evaluaion (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 evolutional 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
- Autoamtic 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/adaption 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
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Papers

Authors can submit their paper in long or short version. Please submit the electronic version of your camera-ready paper through the cms. If you have any problems with the system please do not hesitate to contact info@data-mining-forum.de.de

Long Paper

The paper must be formatted in the Springer LNCS format. They should have at most 15 pages. The papers will be reviewed by the program committee. Accepted long papers will be published by Springer Verlag in the LNAI Series in the book Advances in Data Mining, edited by Petra Perner.

Short Paper

Short papers are also welcome and can be used to describe work in progress or project ideas. They can have 5 to max. 15 pages, formatted in Springer LNCS format. Accepted short papers will be presented as poster in the poster session. They will be published in a special poster proceedings book.

Tutorials

Data Mining Tutorial

Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,
July 14, 2019, New York/ USA
www.mldm.de/t_dm.php

Case-Based Reasoning Tutorial

July 13th, 2019, New York/ USA
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,
www.mldm.de/t_cbr.php

Tutorial Standardization in Immunofluorescence

July 6st, 2019 New York, USA,

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

July 9th, 2019, New York/ USA
Prof. Dr. Petra Perner, Institute of Computer Vision and Applied Computer Sciences IBaI,
www.mldm.de/w_pattern_recognition.php

Workshops

International Workshop on Data Mining in Marketing DMM 2019

July 12, 2019, New York/ USA
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBaI, Germany
www.data-mining-forum.de/w_marketing.php

International Workshop Case-Based Reasoning CBR-MD 2019

July 12, 2019, New York/USA,
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBaI, Germany
www.data-mining-forum.de/w_casebased.php

International Workshop Advanced Internet of Things for Medicine and Others - IoTMO 2018

July 12, 2019, New York, USA
Workshop Chair: Calin Ciufudean, "Stefan cel Mare" University, Romania
http://www.data-mining-forum.de/w_b2ml.php

International Workshop on Multimedia Forensic Data Analysis Forensic' 2019

July 12, 2019, New York, USA
Workshop Chair: Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBaI, Germany
http://www.data-mining-forum.de/w_forensic.php

Exhibition

18th Industrial Exhibition on Intelligent Data and Image Analysis IEDA 2019

July 13-14, 2016, New York/ USA
We like to invite you to present your company or publishing house at the Industrial Exhibition ieda 2019