AIMS AND SCOPE

The International Journal "Transactions on Machine Learning and Data Mining" is a periodical appearing twice a year. The journal focuses on novel theoretical work for particular topics in Data Mining and applications on Data Mining. The topics are but not limited to Data Mining:

- Marketing
- Medicine
- E-Commerce (Mining Logfiles)
- Biotechnology
- Quality Management
- Multimedia Data (Image, Video, Text, Signals)
- Web-Mining
- Intrusion Detection in Networks
- Case-Based Reasoning
- Clustering
- Classification & Prediction
- Association Rules
- Telecommunication
- Design of Experiment
- Strategy of Experimentation
- Capability Indices
- Deviation and Novelty Detection
- Control Charts
- Design of Experiments
- Capability Indices
- Desirabilities
- inductive learning including decision tree and rule induction learning
- conceptional learning and clustering
- case-based reasoning and learning
- similarity measures and learning of similarity
- association rules
- visualization and data mining
- video mining
- mining structural representations such as log files, text documents and HTML documents
- statistical learning and neural net based learning
- classification and interpretation of images, text, video
- organisational learning and evolutional learning
- probabilistic information retrieval
- mining gene data bases and biological data bases
- mining images, temporal-spatial data, images from remote sensing
- mining text documents
- knowledge extraction from text, video, signals and images
- Classification and Model Estimation
- Decision Trees
- Case-Based Reasoning and Associative Memory
- Rule Induction and Grammars
- Neural Methods
- Nonlinear Function Learning and Neural Net Based Learning
- Support Vector Machines
- Bayesian Models and Methods
- Subspace Methods
- Statistical and Conceptual Clustering Methods: Basics
- Applications of Clustering
- Feature Grouping, Discretization, Selection and Transformation
- Feature Learning
- Learning/adaption of recognition and perception
- Learning of internal representations and models
- Learning of appropriate behaviour
- Learning of action patterns
- Learning in Image Pre-Processing and Segmentation
- Statistical and Evolutionary Learning
- Retrieval Methods
- Content-Based Image Retrieval
- Applications in Medicine
- Time Series and Sequential Pattern Mining
- Mining Financial or Stockmarket Data
- Frequent Pattern Mining
- Mining Images in Computer Vision
- Mining Images and Texture
- Mining Motion from Sequence
- Real-Time Event Learning and Detection
- Speech Analysis
- Aspects of Data Mining
- Text Mining
- Symbolic Learning and Neural Networks in Document Processing
- Deviation and Novelty Detection
- Learning and adaptive control
- Learning robots
- Learning in process automation
- Learning for Handwriting Recognition
- Network Analysis and Intrusion Detection
- Autoamtic Semantic Annotation of Media Content
- Learning of Semantic Inferencing Rules
- Learning of Ontologies
- Learning of Visual Ontologies
- High-Content Analysis of Microscopic Images in Medicine, Biotechnology and Chemistry