KDMiLe – Symposium on Knowledge Discovery, Mining and Learning

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**Abstract.** The Symposium on Knowledge Discovery, Mining and Learning (KDMiLe) aims at integrating researchers, practitioners, developers, students and users to present theirs research results, to discuss ideas, and to exchange techniques, tools, and practical experiences related to the Data Mining and Machine Learning areas.

Categories and Subject Descriptors: H.2.8 [**Database Management**]: Database Applications; I.2.6 [**Artificial Intelligence**]: Learning.

Keywords: kdmile, template, data mining, machine learning

# CALL FOR CONTRIBUTIONS

## KDMiLe is organized alternately in conjunction with The Brazilian Conference on Intelligent Systems (BRACIS) and the Symposium on Database Systems (SBBD). The KDMiLe Program Committee invites submissions containing new ideas and proposals, and also applications, in the Data Mining and Machine Learning areas. Submitted papers will be reviewed based on originality, relevance, technical soundness and clarity of presentation.

## 1.1 Scope and Topics

KDMiLe welcomes articles on a full range of research and applications on data mining and machine learning, including (but not limited to):

**Data Mining Topics**

* Association Rules
* Classification
* Clustering
* Data Mining Aplications
* Data Mining Foundations

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* Evaluation Methodology in Data Mining
* Feature Selection and Dimensionality Reduction
* Graph Mining
* Massive Data Mining
* Multimedia Data Mining
* Multirelational Mining
* Outlier Detection
* Parallel and Distributed Data Mining
* Pre and Post Processing
* Ranking and Preference Mining
* Privacy and Security in Data Mining
* Quality and Interest Metrics
* Recommender Systems based on Data Mining
* Sequential Patterns
* Social Network Mining
* Stream Data Mining
* Text Mining
* Time-Series Analysis
* Visual Data Mining
* Web Mining

**Machine Learning Topics**

* Active Learning
* Bayesian Inference
* Case-Based Reasoning
* Cognitive Models of Learning
* Constructive Induction and Theory Revision
* Cost-Sensitive Learning
* Ensemble Methods
* Evaluation Methodology in Machine Learning
* Fuzzy Learning Systems
* Inductive Logic Programming and Relational Learning
* Kernel Methods
* Knowledge-Intensive Learning
* Learning Theory
* Machine Learning Applications
* Meta-Learning
* Multi-Agent and Co-Operative Learning
* Natural Language Processing
* Online Learning
* Probabilistic and Statistical Methods
* Ranking and Preference Learning
* Recommender Systems based on Machine Learning
* Reinforcement Learning
* Semi-Supervised Learning
* Supervised Learning
* Unsupervised Learning

## 1.2 Types of Submissions

## KDMiLe welcomes *research* articles that both lay theoretical foundations and provide new insights into the aforementioned areas and also *application* articles proposing to adapt existing data mining and machine learning technologies in some specific context, innovative commercial implementations as well as reports and analysis of experiences in applying recent research advances in data mining and machine learning to practical situations.

## 1.3 Submission Instructions

Papers may be written in Portuguese or English, and may be submitted in two formats:

FULL PAPER (not exceeding 8 pages, for original work) and SHORT PAPER (not exceeding 4 pages, for emerging ideas and research in progress).Papers exceeding this limit will be automatically rejected without being reviewed by the Program Committee. In addition, papers must be submitted in PDF format. Formats other than PDF will NOT be accepted.

## 1.4 Format Instructions

Even though we provide a template, we do not encourage the use of Microsoft Word, particularly as the layout of the pages (the position of figures and paragraphs) can change between printouts.

The templates for LATEX are available at:

http://jcris2014.icmc.usp.br/index.php/kdmile/templates

This folder has the following files:

* template-kdmile.pdf
* kdmile-template.zip

where the compacted files have:

* kdmileb.bib - an example of bibliography entries
* kdmile.cls - the latex template class for jidm
* kdmile.bst - the latex template for bibliography entries
* template-kdmile.tex - an example of tex file

Prospective authors should take a look at the template.tex for more information on the format, for example: how to add more than one institution to the affiliation and references to books [Baeza-Yates and Ribeiro-Neto 1999], book chapters [Borgida et al. 2009], conference articles [Ferreira et al. 2009], conference articles on book series (e.g., LNCS) [da Silva et al. 1996], journal articles [Laender et al. 2009], PhD thesis [Moro 2007] and information published online[[1]](#footnote-1) [Berglund et al. 2007]. The file *jidmb.bib* has examples of how to name conference proceedings and journals.

# MOST COMMON ERRORS

This section lists the most common errors when writing your paper. Note that *any* of these errors will certainly make the editors contact you for correction.

Files do not compile. Editors will create the pdf files from the tex sources you submitted.

* Refering to work as paper'': you should refer to your work as article.
* kdmile metadata different from pdf file: author names must be exactly the same in the pdf as in the metadata at kdmile website [including abbreviations and uppercase letters].
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* Wrong header: with two or three authors, the header is as ``A. Plastino and S. de Amo and A. P. L. de Carvalho''; otherwise, it is ``A. Plastino et. al.''
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# **DISCLAIMER**

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1. Note: in case the URL refers to a software, dataset source or any other information that does not have a proper author, it is better to include it as a footnote, e.g.: “Biblioteca Digital Brasileira de Computação: <http://www.lbd.dcc.ufmg.br/bdbcomp>” [↑](#footnote-ref-1)