Editorial

This new issue introduces the sixth volume of JIDM, which inaugurates the work of Caetano Traina Junior as the new Editor-in-Chief. We thank the excellent work of Ana Carolina Salgado as the previous Editor-in-Chief, and the editorial board for their hard work. To work with the new Editor-in-Chief, a new editorial board is in place. We also thank them for contributing to JIDM.

This issue brings three articles that were regularly submitted to JIDM, besides extended and revised versions of best papers from the Brazilian Symposium on GeoInformatics – GeoInfo 2014, and the Symposium on Knowledge Discovery, Mining and Learning – KDMiLe 2014. GeoInfo was held in Campos do Jordão, from November 30th to December 3rd 2014. KDMiLe occurred in São Carlos, from October 20th to October 21th 2014. We had guest editors who were in charge of selecting the best papers from each of these symposia and conducting the evaluation process. Clodoveu Davis and Sandra de Amo served as the guest editors of GeoInfo and KDMiLe, respectively.

The first three articles were regularly submitted to JIDM. The first one, by Graovac, Kovačević and Pavlović-Lažetić, is entitled "Language Independent n-Gram-Based Text Categorization with Weighting Factors: A Case Study". It introduces a new language independent text categorization technique based on byte-level n-gram profiles, an n-gram weighting factors scheme, and a novel algorithm for comparing profiles. The second article, by Araúo, Pires, da Nobrega and Nascimento, is entitled "A Parallel Approach for Matching Large-scale Ontologies" and proposes a novel, MapReduce-based approach for matching large ontologies by cleverly distributing concept comparisons among the nodes of a cloud computing infrastructure. Finally, the third article, by Kepe, de Almeida and Cerqueus, is entitled "KSample: Dynamic Sampling Over Unbounded Data Streams". This article presents a novel, sampling algorithm over data streams, which does not require any previous knowledge about the length of the stream or the size of the sample.

The fourth article, by Pereira, Plastino, Zadrozny and Merschmann, extends and revises the best paper from KDMiLe 2014. It is entitled "Information Gain Feature Selection for Multi-Label Classification" and presents an experimental evaluation of various multi-label feature selection methods coupled with the information gain metric and different classification techniques and data sets. It also adapts the information gain feature selection technique to handle multi-label data directly.

Section GeoInfo 2014 includes extended and revised versions of four selected papers from the symposium. The first paper is entitled "A New Technique for Verifying the Consistency of Distributed R-Trees", authored by de Oliveira, de Souza Filho, Rodrigues, Cardoso and Carvalho. It presents a new approach for verifying the consistency of distributed R-Trees, which potentially helps to reduce the overlapping and dead areas in R-Tree instances. The second article, by da Silva and Fileto, is entitled "A Method to Detect and Classify Inconsistencies of Moving Objects' Stops with Requested and Reported Tasks". It proposes a method to detect and classify inconsistencies of moving objects' trajectories with both planned tasks and reported tasks, by checking their spatial and temporal incompatibilities. The third article, "Producing Volunteered Geographic Information from Social Media for LBSN Improvement", by de Oliveira, Baptista, Campelo, Acioli Filho and Falcão, applies geographical information retrieval techniques to produce volunteered geographic information from social media streams on the Web, aiming to improve location-based social networks with valuable up-to-date content in an automated way. Finally, the fourth article is entitled "Understanding and Modeling the Behavior of Web Map Users" and authored by Braga, de Oliveira, Rodrigues and Cardoso. This article describes how a user interacts with a Web mapping system and presents a novel methodology to retrieve this information from a traditional system, the Google Maps.

We would like to thank everybody who contributed to this edition of JIDM, particularly reviewers for their valuable comments and authors for their contributions and hard work in preparing their final manuscripts.

Caetano Traina Junior
Editor-in-Chief

Robson L. F. Cordeiro
Associate Editor

Sandra de Amo
KDMiLe Guest Editor

Clodoveu Davis
GeoInfo Guest Editor