

Editorial

This third issue of the seventh volume of JIDM brings articles that were either regularly submitted to the journal or extended and revised versions of best papers from SBBD 2015, the XXX Brazilian Symposium on Databases. SBBD is the official database event of the Brazilian Computer Society – SBC and the largest venue in Latin America for presentation and discussion of research results in the databases domain. Its 2015 edition was held in Petrópolis, Brazil, from October 13th to October 16th. Vanessa Braganholo served as the guest editor of the symposium. She was in charge of selecting the best papers from SBBD 2015 and conducting the evaluation process.

The first article in this issue of JIDM was regularly submitted to the journal. It is entitled “Distributed Execution Plans for Multiway Spatial Join Queries using Multidimensional Histograms”, authored by T. B. de Oliveira, F. M. Costa and V. J. do Sacramento Rodrigues. The authors present a novel solution to process multiway spatial join queries in distributed, relational database systems.

Section SBBD 2015 includes extended and revised versions of three select papers from the symposium. The first article in this section is entitled “Bridging Database Applications and Declarative Similarity Matching”, by Leonardo A. Ribeiro et al.. It presents an architectural pattern to integrate declarative similarity matching into object-oriented database applications. The second article of this section is entitled “Multiscaling a Graph-based Dataspace”. In the context of dataspace, Matheus S. Mota et al. propose a multiscale-based architecture to integrate data sources with different levels of heterogeneity so that users can understand and discover relationships among data elements scattered along distinct sources. The third and last article is entitled “Clustering Multivariate Data Streams by Correlating Attributes using Fractal Dimension”. In this work, C. C. Bones, L. A. S. Romani and E. P. M. de Sousa present a novel framework to cluster multivariate data streams based on their evolving behavior over time. It is made possible by using concepts and tools of the Fractal Theory to explore correlations among stream attributes.

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. We hope you enjoy this issue of JIDM!

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