

ISSN 2178-7107

Volume 7, Number 3, December 2016

JIDM

Journal of Information & Data Management



Official Publication of the Brazilian Computer Society Special Interest Group on Databases

Journal of Information and Data Management - JIDM

JIDM is an electronic publication focusing on information and data management in large repositories and document collections. It relates to different areas from Computer Science, including databases, information retrieval, digital libraries, knowledge discovery and data mining, geographic information systems, among others.

Editors

Caetano Traina Junior, Universidade de São Paulo, Brazil - Editor in chief
Robson L. F. Cordeiro, Universidade de São Paulo, Brazil - Associate Editor

Editorial Board

Alberto Laender - Universidade Federal de Minas Gerais, Brazil
Altigran Silva - Universidade Federal do Amazonas, Brazil
Alvaro Fernandes - University of Manchester, United Kingdom
Ana Carolina Salgado - Universidade Federal de Pernambuco, Brazil
Angelo Brayner - Universidade de Fortaleza, Brazil
Daniel Keim - Konstanz University, Germany
Divesh Srivastava - AT&T LabsResearch, USA
Eamonn Keogh - University of California, USA
Edgar Leonel Chávez González - Centro de Investigación Científica y de Educación Superior de Ensenada, Mexico
Gerhard Weikum - Max Planck Institute for InformaticsSaarbruecken, Germany
Javam de Castro Machado - Universidade Federal do Ceará, Brazil
João Eduardo Ferreira - Universidade de São Paulo, Brazil
Juliana Freire - New York University, USA
Marco Antonio Casanova - Pontifícia Universidade Católica do Rio de Janeiro, Brazil
Marcos André Gonçalves - Universidade Federal de Minas Gerais, Brazil
Maria Luisa Sapino - Università degli Studi di Torino, Italy
Marta Lima de Queiros Mattoso - Universidade Federal do Rio de Janeiro, Brazil
Mirella Moura Moro - Universidade Federal de Minas Gerais, Brazil
Oscar Pastor - Universidad Politécnica de Valencia, Spain
Renata de Matos Galante - Universidade Federal do Rio Grande do Sul, Brazil
Renato Fileto - Universidade Federal de Santa Catarina, Brazil
Ricardo da Silva Torres - Universidade Estadual de Campinas, Brazil
Sandra de Amo - Universidade Federal de Uberlândia, Brazil
Sang-Wook Kim - Hanyang University, Korea
Selçuk Candan - Arizona State University, USA
Sergio Lifschitz - Pontifícia Universidade Católica do Rio de Janeiro, Brazil
Spiros Papadimitriou - Rutgers University, USA
Tok Wang Ling - National University of Singapore, Singapore
Vassilis J. Tsotras - University of California, USA
Vanessa Braganholo - Universidade Federal Fluminense, Brazil
Vincent Oriá - New Jersey Institute of Technology, USA
Wagner Meira Júnior - Universidade Federal de Minas Gerais, Brazil
Yannis Manolopoulos - Aristotle University of Thessaloniki, Greece
Yasin N. Silva - Arizona State University, USA
Zhongfei (Mark) Zhang - Binghamton University, USA

Journal of Information and Data Management
Volume 7, Number 3, December 2016

Contents

Editorial	197
Distributed Execution Plans for Multiway Spatial Join Queries using Multidimensional Histograms <i>Thiago Borges de Oliveira, Fábio Moreira Costa, Vagner José do Sacramento Rodrigues</i>	199
SBBD 2015	
Bridging Database Applications and Declarative Similarity Matching <i>Leonardo Andrade Ribeiro, Natália Cristina Schneider, Andrei de Souza Inácio, Harley Michel Wagner, Aldo von Wangenheim</i>	217
Multiscaling a Graph-based Dataspace <i>Matheus Silva Mota, Júlio Cesar dos Reis, Sandra Goutte, André Santanchè</i>	233
Clustering Multivariate Data Streams by Correlating Attributes using Fractal Dimension <i>Christian C. Bones, Luciana A. S. Romani, Elaine P. M. de Sousa</i>	249