

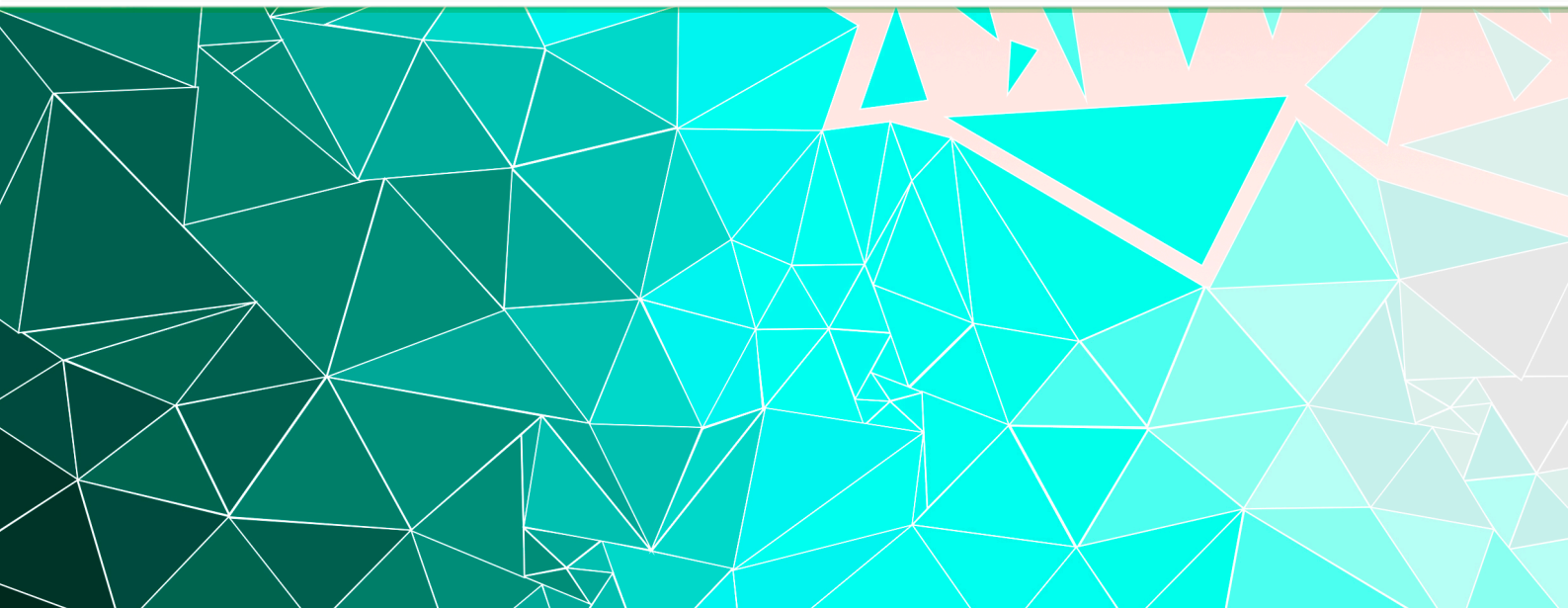
ISSN 2178-7107

Volume 10, Number 3, December 2019



JIDM

Journal of
Information &
Data Management



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

Angelo Brayner, Universidade Federal do Ceará, Brazil - Editor in chief

Maristela Holanda, Universidade de Brasília, 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

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 Informatics, Saarbruecken, 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 10, Number 3, December 2019

Contents

Editorial	116
KDMiLe 2018	
Generating Links for Patent Documents: an Automatic Approach using Computational Intelligence <i>C. M. Souza, M. E. Santos, M. R. G. Meireles</i>	117
Investigating the Relation Between Companies with Topological Analysis of a Network of Stock Exchange in Brazil <i>Carlos Magno G. Barbosa, Lucas Gabriel da S. Felix, Carolina R. Xavier, Vinícius da F. Vieira</i>	130
Feature Selection and Comparison of Classifiers for Predicting Protein Class <i>Bruno C. D. Santos, Cora Silberschneider, Marcos W. Rodrigues, Cristiano L. N. Pinto, Cristiane N. Nobre, Luis E. Zarate</i>	146
World Cups Impact Analysis in the Soccer Players Transaction and Soccer Globalization using Complex Network Techniques	166
Regular Article	
Spatial operations on uncertain positional data <i>Welder B. Oliveira, Svio S. T. Oliveira, Vagner J. S. Rodrigues, Helton Saulo, Kleber V. Cardoso</i>	185