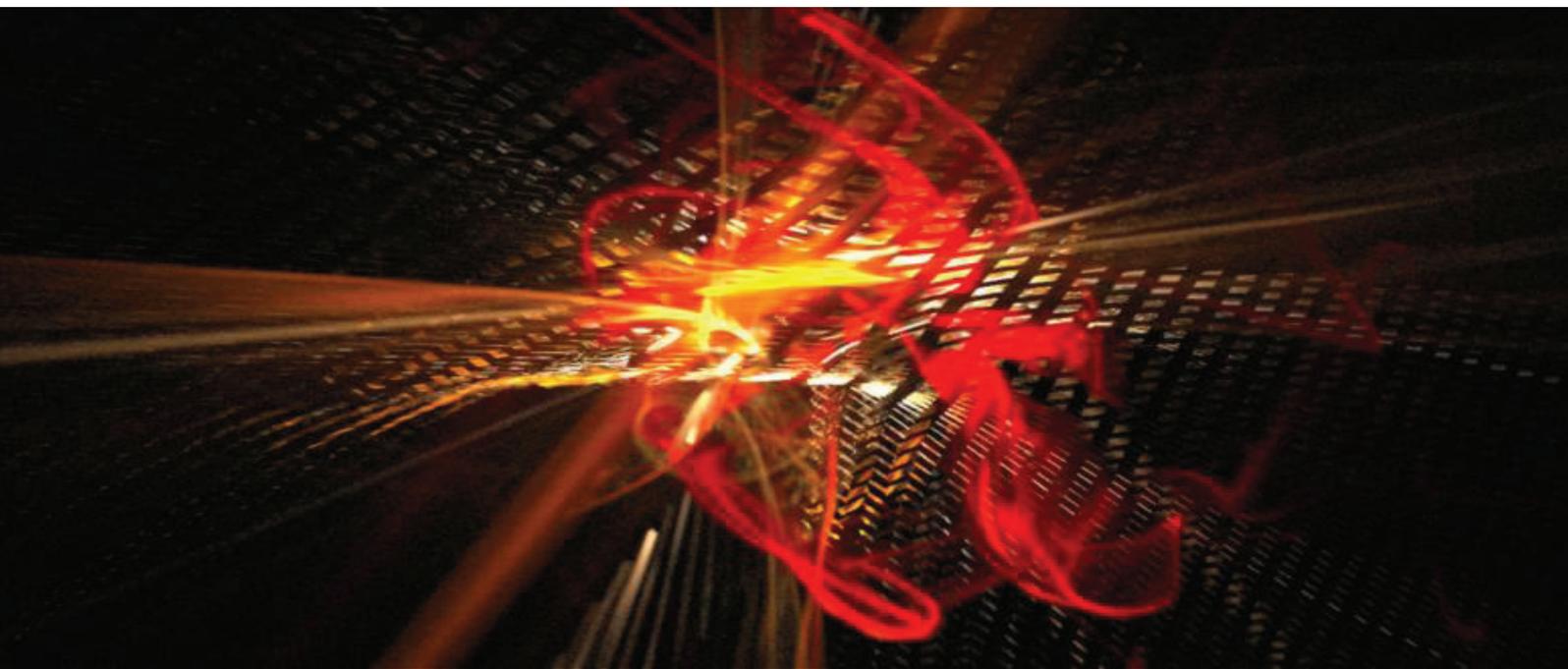


ISSN 2178-7107

Volume 3, Number 1, February 2012

# 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

**Alberto H. F. Laender**, UFMG, Brazil - Editor in chief

**Mirella M. Moro**, UFMG, Brazil - Associate Editor

## Editorial Board

**Amr El Abbadi** - University of California, Santa Barbara, USA

**Marcelo Arenas** - PUC-Chile, Chile

**Paolo Atzeni** - Università Roma Tre, Italy

**Ricardo Baeza-Yates** - Yahoo! Research, Spain

**Marco A. Casanova** - PUC-Rio, Brazil

**Umeshwar Dayal** - HP Labs, USA

**David W. Embley** - Brigham Young University, USA

**Alvaro Fernandes** - University of Manchester, United Kingdom

**Juliana Freire** - University of Utah, USA

**Theo Härder** - University of Kaiserslautern, Germany

**Carlos A. Heuser** - UFRGS, Brazil

**H.V. Jagadish** - University of Michigan, USA

**Tok-Wang Ling** - National University of Singapore, Singapore

**Marta Mattoso** - UFRJ, Brazil

**Claudia Bauzer Medeiros** - UNICAMP, Brazil

**René J. Miller** - University of Toronto, Canada

**John Mylopoulos** - University of Trento, Italy

**Mario Nascimento** - University of Alberta, Canada

**Tamer Oszü** - University of Waterloo, Canada

**Oscar Pastor** - Universidad Politécnica de Valencia, Spain

**Alain Pirotte** - Université Catholique de Louvain, Belgium

**Gustavo Rossi** - Universidad de La Plata, Argentina

**Ana Carolina Salgado** - UFPE, Brazil

**Daniel Schwabe** - PUC-Rio, Brazil

**Altigran S. da Silva** - UFAM, Brazil

**Mário J. Silva** - Universidade de Lisboa, Portugal

**Caetano Traina Jr.** - USP-SC, Brazil

**Patrick Valduriez** - INRIA, France

**Gerhard Weikum** - Max-Planck Institut für Informatik, Germany

**Nivio Ziviani** - UFMG, Brazil

Journal of Information and Data Management  
Volume 3, Number 1, February 2012

Contents

Editorial	1
<b>Regular Articles</b>	
Order-Aware Twigs: Adding Order Semantics to Twigs <i>Abdul Nizar M., Sreenivasa Kumar Puligundla</i>	3
<b>Research Groups</b>	
Three Decades of Research on Database Design at PUC-Rio <i>Marco Antonio Casanova, Simone D.J. Barbosa, Karin K. Breitman, Antonio L. Furtado</i>	17
Long Lived Transaction Processing for Business Processes and Scientific Workows <i>João E. Ferreira, Luciano V. Araújo, Kelly R. Braghetto, Isabel C. Italiano, Márcio K. Oikawa, Pedro L. Takecian</i>	33
<b>SBBB 2011 Short Papers</b>	
Towards Querying Implicit Knowledge in XML Documents <i>Diego Lima, Carla Delgado, Leonardo Murta, Vanessa Braganholo</i>	51
Ontology-based Semi-automatic Workflow Composition <i>Daniel de Oliveira, Eduardo Ogasawara, Jonas Dias, Fernanda Baião, Marta Mattoso</i>	61
Title A Multi-view Approach for the Quality Assessment of Wiki Articles <i>Daniel Hasan Dalip, Marcos André Gonçalves, Thiago Cardoso, Marco Cristo, Pável Calado</i>	73