28TH BRAZILIAN SYMPOSIUM ON DATABASES

FULL PAPERS

PROCEEDINGS

September 30th – October 3rd, 2013
Recife, Pernambuco, Brazil

Promotion

Brazilian Computer Society – SBC
SBC Special Interest Group on Databases

Organization

Universidade Federal de Pernambuco – UFPE

Realization

Centro de Informática (CIn)

Program Commitee Chair

Cristina Dutra de Aguiar Ciferri, USP

Editorial

Full papers submitted to SBBD should present interesting recent results or novel thought-provoking ideas in any subject on databases and related areas. The full paper review process of SBBD 2013 was a rigorous peer review process performed in two rounds. The first one included the initial evaluation of the submitted papers by three members of the full papers program committee. The reviewers' evaluation and comments were used to select a set of papers that would be considered for possible inclusion in the SBBD program and for publication in the Journal of Information and Data Management (JIDM). The second round was similar to that of a regular journal reviewing process, when the authors took into consideration the reviewers' comments and submitted a revised paper for a second evaluation. Each revised paper was evaluated again by the same three members of the full papers program committee, and only papers that were improved according to the reviewers' expectations were accepted to be orally presented at SBBD 2013 and to be published in the October 2013 issue of JIDM.

As for statistics, a total of 40 full papers were submitted, out of which 21 were accepted for oral presentation in technical sessions. SBBD 2013 had seven technical sessions, which included the presentation of all the accepted full papers and the presentation of 6 selected short papers that were invited to be re-submitted in an extended version to be published in the February 2014 issue of JIDM.

The quality of the SBBD 2013 full papers reects the judgment of the program committee members and external reviewers, who donated their precious time to evaluate the submissions and to provide high quality reviews for the submitted papers. We gratefully thank them. We also gratefully thank the authors who submitted their papers to SBBD 2013. The success of the full papers directly depends on the work and support of reviewers and authors.

Cristina Dutra de Aguiar Ciferri
SBBD 2013 Program Committee Chair

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FULL PAPERS

All accepted full papers were published in Volume 4 Number 3, the October 2013 issue of Journal of Information and Data Management - JIDM, the official publication of the Database Interest Group of the Brazilian Computer Society.
See all papers at the JIDM Web site: http://seer.lcc.ufmg.br/index.php/jidm/index.

List of Accepted Papers

Automatic Web Page Segmentation and Noise Removal for Structured Extraction using Tag Path Sequences
Roberto Panerai Velloso, Carina F. Dorneles

Evaluating the Diversification of Similarity Query Results
Lucio Fernandes Dutra Santos, Willian Dener de Oliveira, Monica Ribeiro Porto Ferreira, Robson Leonardo Ferreira Cordeiro, Agma Juci Machado Traina, Caetano Traina Jr.

Learning Accurate and Interpretable Classifiers using Optimal Multi-Criteria Rules
Itamar Hata, Adriano Veloso, Nivio Ziviani

ObInject: a NoODMG Persistence and Indexing Framework for Object Injection
Luiz O. Carvalho, Thatyana F. P. Seraphim, Caetano Traina Jr., Enzo Seraphim

A Method for Building Personalized Ontology Summaries
Paulo Orlando Queiroz-Sousa, Ana Carolina Salgado, Carlos Eduardo Pires

Finding Missing Cross-Language Links in Wikipedia
Carlos Eduardo M. Moreira, Viviane P. Moreira

Under Pressure Benchmark for DDBMS Availability
Alessandro Gustavo Farias Fior, Jorge Augusto Meira, Eduardo Cunha de Almeida, Ricardo Gonçalves Coelho, Marcos Didonet Del Fabro, Yves Le Traon

Stress Testing of Transactional Database Systems
Jorge Augusto Meira, Eduardo Cunha de Almeida, Gerson Sunyé, Yves Le Traon, Patrick Valduriez

GUARD: A Genetic Unified Approach for Recommendation
Adolfo Guimarães, Thales F. Costa, Anisio Lacerda, Gisele L. Pappa, Nivio Ziviani

Interaction-Aware Data Management in the Cloud
Manoel Siqueira, José Maria Monteiro, Angelo Brayner, Flávio R. C. Sousa, Javam C. Machado

Finding Spatio-Temporal Patterns in Multidimensional Data Streams
Santiago Augusto Nunes, Luciana Alvim Santos Romani, Ana M. H. de Ávila, Priscila P. Coltri, Agma Juci Machado Traina, Elaine P. M. Sousa

A Holistic Hybrid Algorithm for User Recommendation on Twitter
Sara Guimarães, Marco Túlio Ribeiro, Renato Assunção, Wagner Meira Jr.

Hierarchical Bottom-Up Safe Semi-Supervised Support Vector Machines for Multi-Class Transductive Learning
Thiago Ferreira Covões, Rodrigo Coelho Barros, Tiago Silva da Silva, Eduardo Raul Hruschka, André C. P. L. F. de Carvalho

SCM-BP: An Intelligent Buffer Management Mechanism for Database in Storage Class Memory
Júlio A. Tavares, José de Aguiar Moraes Filho, Angelo Brayner, Eduardo Bruno Silva Lustosa

OBAS: An OLAP Benchmark for Analysis Services
Bruno Edson Martins de Albuquerque Filho, Thiago Luís Lopes Siqueira, Valeria Cesário Times

Metamodeling the Enhanced Entity-Relationship Model
Robson N. Fidalgo, Edson Alves, Sergio España, Jaelson Castro, Oscar Pastor

A Relevance Measure for Multivalued Attributes
Mariana Tasca, Bianca Zadrozny, Alexandre Plastino

cx-Sim: A Metric Access Method for Similarity Queries with Additional Conditions
Leandro C. Soares, Daniel S. Kaster

A Comparative Study of Learning-to-Rank Techniques for Tag Recommendation
Sérgio Canuto, Fabiano Belém, Jussara M. Almeida, Marcos A. Gonçalves

qCube: Efficient Integration of Range Query Operators over a High Dimension Data Cube
Rodrigo Rocha Silva, Joubert de Castro Lima, Celso Massaki Hirata

Towards a Statistical Evaluation of PigLatin Joins
Renato Javier Marroquín Mogrovejo, José Maria Monteiro, Javam C. Machado, Carlos Juliano M. Viana, Sérgio Lifschitz