# International Journal of Information Retrieval Research

#### October-December 2013, Vol. 3, No. 4

## **Table of Contents**

### **Research Articles**

- 1 Intent-Based User Segmentation with Query Enhancement Wei Xiong, Information Systems Department, New Jersey Institute of Technology, Newark, NJ, USA Michael Recce, Information Systems Department, New Jersey Institute of Technology, Newark, NJ, USA Brook Wu, Information Systems Department, New Jersey Institute of Technology, Newark, NJ, USA
- 18 Semantic Text Summarization Based on Syntactic Patterns Mohamed H. Haggag, Department of Computer Science, Faculty of Computers & Information, Helwan University, Cairo, Egypt
- 35 Method of Lexical Enrichment in Information Retrieval System in Arabic Souhey! Mallat, Department of Computer Sciences, University of Monastir, Monastir, Tunisia Anis Zouaghi, Department of Computer Sciences, Higher Institute of Applied Science and Technologies Sousse, Sousse University, Sousse, Tunisia Enna Hkiri, Department of Computer Sciences, University of Monastir, Monastir, Tunisia Mounir Zrigui, Department of Computer Sciences, University of Monastir, Monastir, Tunisia
- 52 Visualizing Information Science Knowledge by Modelling Domain Ontology (OIS) Ahlam F. Sawsaa, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK Joan Lu, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK
- 81 Enhanced XML Encryption Using Classification Mining Technique for e-Banking Transactions Faisal T. Ammari, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK Joan Lu, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK
- 104 Modeling Domain Ontology for Occupational Therapy Resources Using Natural Language Programming (NLP) Technology to Model Domain Ontology of Occupational Therapy Resources Ahlam F. Sawsaa, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK Joan Lu, School of Computing and Engineering, University of Huddersfield, Huddersfield, UK
- 120 Interactive Visual Analytics of Databases and Frequent Sets Carson K.S. Leung, University of Manitoba, Winnipeg, Canada Christopher L. Carmichael, University of Manitoba, Winnipeg, Canada Patrick Johnstone, University of Manitoba, Winnipeg, Canada David Sonny Hung-Cheung Yuen, University of Manitoba, Winnipeg, Canada

#### Copyright

The **International Journal of Information Retrieval Research (IJIRR)** (ISSN 2155-6377; eISSN 2155-6385), Copyright © 2013 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Information Retrieval Research is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; INSPEC; JournalTOCS; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; Research Library; The Standard Periodical Directory; Ulrich's Periodicals Directory