

# Journal of Information Technology Research

July-September 2014, Vol. 7, No. 3

## Table of Contents

### RESEARCH ARTICLES

- 1 **Improving Context Aware Recommendation Performance by Using Social Networks**  
*Golshan Assadat Afzali Boroujeni, Department of Computer Engineering and IT, Amirkabir University of Technology, Tehran, Iran*  
*Seyed Alireza Hashemi Golpayegani, Department of Computer Engineering and IT, Amirkabir University of Technology, Tehran, Iran*
  
- 15 **Comparison of Tied-Mixture and State-Clustered HMMs with Respect to Recognition Performance and Training Method**  
*Hiroyuki Segi, NHK (Japan Broadcasting Corporation) Science & Technology Research Laboratories, Fukushima, Japan*  
*Kazuo Onoe, NHK (Japan Broadcasting Corporation), Science & Technology Research Laboratories, Fukushima, Japan*  
*Shohei Sato, NHK (Japan Broadcasting Corporation) Science & Technology Research Laboratories, Fukushima, Japan*  
*Akio Kobayashi, NHK (Japan Broadcasting Corporation) Science & Technology Research Laboratories, Fukushima, Japan*  
*Akio Ando, Faculty of Engineering, University of Toyoma, Toyoma, Japan*
  
- 32 **Multi-Disciplinary Research Issues in Cloud Computing**  
*Jitendra Singh, PGDAV College, University of Delhi, New Delhi, India*  
*Vikas Kumar, Asia-Pacific Institute of Management, New Delhi, India*
  
- 54 **Information Attacks on Online Social Networks**  
*Enrico Franchi, Department of Information Engineering, University of Parma, Parma, Italy*  
*Agostino Poggi, Department of Information Engineering, University of Parma, Parma, Italy*  
*Michele Tomaiuolo, Department of Information Engineering, University of Parma, Parma, Italy*

### Copyright

The **Journal of Information Technology Research (JITR)** (ISSN 1938-7857; eISSN 1938-7865), Copyright © 2014 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 *Journal of Information Technology Research* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory