

# Table of Contents

## International Journal of Mobile Computing and Multimedia Communications

Volume 8 • Issue 3 • July-September-2017 • ISSN: 1937-9412 • eISSN: 1937-9404

*An official publication of the Information Resources Management Association*

### Special Issue on Recent Advance of Multimedia Big Data

#### Editorial Preface

- v      Zhigao Zheng, Central China Normal University, Wuhan, China  
Ford Lumban Gaol, Bina Nusantara University, Republik, Indonesia  
Krishn K. Mishra, University of Missouri, Columbia, MO, USA

#### Research Articles

- 1      **A Method for Angular Super-Resolution via Big Data Radar System**  
Xin Zhang, School of Information Science and Technology, Dalian Maritime University, Dalian, China  
Xiaoming Liu, School of Information Science and Technology, Dalian Maritime University, Dalian, China  
Zhenyu Na, School of Information Science and Technology, Dalian Maritime University, Dalian, China
- 21     **A New Intelligent Optimization Network Online Learning Behavior in Multimedia Big Data Environment**  
Shao Heng, School of Information Science and Engineering, Qilu Normal University, Jinan, China
- 32     **Research on Double Energy Fuzzy Controller of Electric Vehicle Based on Particle Swarm Optimization of Multimedia Big Data**  
Xiaokan Wang, Beijing Jiaotong University, Beijing, China
- 44     **A Novel Fast Hierarchical Projection Algorithm for Skew Detection in Multimedia Big Data Environment**  
Li Cheng, School of Power and Mechanical Engineering, Wuhan University, Wuhan, China & School of Computer Science, South-Central University for Nationalities, Wuhan, China  
Gongping Wu, School of Power and Mechanical Engineering, Wuhan University, Wuhan, China
- 66     **A Comparative Study of Shape and Texture Features for Finger Spelling Recognition in Big Data Applications**  
Yong Hu, Jinling Institute of Technology, Nanjing, China
- 79     **Towards A Virtual Machine Migration Algorithm Based On Multi-Objective Optimization**  
Xiang Chen, School of Civil Engineering, Xi'an Technological University, Xi'an, China  
Jun-rong Tang, School of Computer Science and Engineering, Xi'an Technological University, Xi'an, China  
Yong Zhang, Wuhan University of Science and Technology, Wuhan, Hubei, China
- 90     **Modulation Recognition of Digital Multimedia Signal Based on Data Feature Selection**  
Hui Wang, College of Information and Communication Engineering, Harbin Engineering University, Harbin, China  
Li Li Guo, College of Information and Communication Engineering, Harbin Engineering University, Harbin, China  
Yun Lin, College of Information and Communication Engineering, Harbin Engineering University, Harbin, China

#### COPYRIGHT

The **International Journal of Mobile Computing and Multimedia Communications (IJMCMC)** (ISSN 1937-9412; eISSN 1937-9404), Copyright © 2017 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 Mobile Computing and Multimedia Communications* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)