

# Table of Contents

## International Journal of Handheld Computing Research

Volume 7 • Issue 4 • October-December-2016 • ISSN: 1947-9158 • eISSN: 1947-9166

*An official publication of the Information Resources Management Association*

### Special Issue on 2016 IEEE International Conference on Electro/Information Technology (EIT 2016) – Part II

#### Guest Editorial Preface

- v        S. Hossein Mousavinezhad, Idaho State University, USA  
          Wen-Chen Hu, University of North Dakota, USA

#### Research Articles

- 1        **Network Codes Based on Symmetric Matrices**  
          Edidiong Anselm Attang, Illinois Institute of Technology, Department of Electrical and Computer Engineering, Chicago, IL, USA  
          Yuteng Wu, Illinois Institute of Technology, Department of Electrical and Computer Engineering, Chicago, IL, USA  
          Mandana Norouzi, Illinois Institute of Technology, Department of Electrical and Computer Engineering, Chicago, IL, USA  
          Guillermo E Atkin, Illinois Institute of Technology, Department of Electrical and Computer Engineering, Chicago, IL, USA
- 15       **Butterworth Filter Application for Structural Health Monitoring**  
          Ahmed Abdelgawad, Central Michigan University, School of Engineering and Technology, Mount Pleasant, MI, USA  
          Md Anam Mahmud, Central Michigan University, School of Engineering and Technology, Mount Pleasant, MI, USA  
          Kumar Yelamarthi, Central Michigan University, School of Engineering and Technology, Mount Pleasant, MI, USA
- 30       **Open Source Digital Camera on Field Programmable Gate Arrays**  
          Cristinel Ababei, Marquette University, Department of Electrical and Computer Engineering, WI, USA  
          Shaun Duerr, Marquette University, Department of Electrical and Computer Engineering, WI, USA  
          William Joseph Ebel Jr., Marquette University, Department of Electrical and Computer Engineering, WI, USA  
          Russell Marineau, Marquette University, Department of Electrical and Computer Engineering, WI, USA  
          Milad Ghorbani Moghaddam, Marquette University, Department of Electrical and Computer Engineering, WI, USA  
          Tanzania Sewell, Marquette University, Department of Electrical and Computer Engineering, WI, USA
- 41       **Zero-Crossing Analysis and Information Divergence of Lévy Walks for Real-Time Feature Extraction**  
          Jesus David Terrazas Gonzalez, University of Manitoba, Department of Electrical and Computer Engineering, Winnipeg, Canada  
          Witold Kinsner, University of Manitoba, Department of Electrical and Computer Engineering, Winnipeg, Canada

#### COPYRIGHT

The **International Journal of Handheld Computing Research (IJHCR)** (ISSN 1947-9158; eISSN 1947-9166), Copyright © 2016 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 Handheld Computing Research* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory