## **Table of Contents**

# International Journal of Rough Sets and Data Analysis

Volume 4 • Issue 3 • July-September-2017 • ISSN: 2334-4598 • eISSN: 2334-4601

An official publication of the Information Resources Management Association

## **GUEST EDITORIAL PREFACE**

#### VI Special Issue on Internet of Things, Next Generation Networks, Data Mining and Cloud Computing 2016, Part 2

Parikshit N. Mahalle, Smt. Kashibai Navale College of Engineering, Pune, India & Department of Computer Engineering, Savitribai Phule Pune University, Pune, India

Mohd. Shafi Pathan, Smt. Kashibai Navale College of Engineering, Pune, India Subhash Shinde, Lokmanya Tilak College of Engineering, Mumbai, India

### RESEARCH ARTICLES

#### 1 An Optimal Routing Algorithm for Internet of Things Enabling Technologies

Amol V. Dhumane, Pune University, Pune, India Rajesh S. Prasad, NBN Sinhgad School of Engineering, Pune, India Jayashree R. Prasad, Sinhgad College of Engineering, Pune, India

#### 17 An Evolutionary Mobility Aware Multi-Objective Hybrid Routing Algorithm for Heterogeneous WSNs

Nandkumar Prabhakar Kulkarni, CTIF, Aalborg University Aalborg, Denmark Neeli Rashmi Prasad, CTIF, Aalborg University, Aalborg, Denmark Ramjee Prasad, CTIF, Aalborg University, Aalborg, Denmark

#### 33 IoT Setup for Co-measurement of Water Level and Temperature

Sujaya Das Gupta, Department of Electronic Science, Fergusson College, Pune, India M.S. Zambare, Department of Electronic Science, Fergusson College, Pune, India A.D. Shaligram, Department of Electronic Science, Savitribai Phule Pune University, Pune, India

#### 5 Improved Secure Data Transfer Using Video Steganographic Technique

V. Lokeswara Reddy, Department of C.S.E, K.S.R.M College of Engineering, Kadapa, India

## 71 A Survey on Supervised Convolutional Neural Network and Its Major Applications

D. T. Mane, SGGS IE&T, Nanded, India U. V. Kulkarni, SGGS IE&T, Nanded, India

#### 83 A Novel Call Admission Control Algorithm for Next Generation Wireless Mobile Communication

T. A. Chavan, Department of Computer Science & Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Avadi, India P. Saras, Department of Computer Science & Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Avadi, India

## 96 Mathematical Representation of Quality of Service (QoS) Parameters for Internet of Things (IoT)

Sandesh Mahamure, Smt. Kashibai Navale College of Engineering, Pune, India & Department of Computer Engineering, Savitribai Phule Pune University, Pune, India

Poonam N. Railkar, Smt. Kashibai Navale College of Engineering, Pune, India & Department of Computer Engineering, Savitribai Phule Pune University, Pune, India

Parikshit N. Mahalle, Smt. Kashibai Navale College of Engineering, Pune, India & Department of Computer Engineering, Savitribai Phule Pune University, Pune, India

### 108 Big Data Summarization Using Novel Clustering Algorithm and Semantic Feature Approach

Shilpa G. Kolte, University of Mumbai, Terna Engineering College, Navi Mumbai, India Jagdish W. Bakal, Shivajirao S. Jondhale College of Engineering, Dombivli, Thane, India

#### Copyright

The International Journal of Rough Sets and Data Analysis (IJRSDA) (ISSN 2334-4598; eISSN 2334-4601), 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.