

Table of Contents

International Journal of Grid and High Performance Computing

Volume 9 • Issue 4 • October-December-2017 • ISSN: 1938-0259 • eISSN: 1938-0267

An official publication of the Information Resources Management Association

SPECIAL ISSUE ON BIG DATA ANALYTICS INTELLIGENT OF THINGS AND CLOUD COMPUTING

GUEST EDITORIAL PREFACE

- v Chintan Bhatt, *Department of Computer Engineering, Charotar University of Science and Technology, Anand, India*
Amira Ashour, *Faculty of Engineering, Tanta University, Tanta, Egypt*
Nilanjan Dey, *Department of Information Technology, Techno India College of Technology, Kolkata, India*

RESEARCH ARTICLES

- 1 A Highly Reliable Storage Systems Based on SSD Array for IoT Environment
HooYoung Ahn, KSB Convergence Research Department, Electronics and Telecommunications Research Institute (ETRI), Daejeon, South Korea
Junsu Kim, Korea Advanced Institute of Science and Technology, (KAIST), Daejeon, South Korea
YoonJoon Lee, Korea Advanced Institute of Science and Technology, (KAIST), Daejeon, South Korea
- 16 Effective Integration of Reliable Routing Mechanism and Energy Efficient Node Placement Technique for Low Power IoT Networks
P. Sarwesh, National Institute of Technology Karnataka, Mangalore, India
N. Shekar V. Shet, National Institute of Technology Karnataka, Mangalore, India
K. Chandrasekaran, National Institute of Technology Karnataka, Mangalore, India
- 36 Performance Analysis for Pareto-Optimal Green Consolidation Based on Virtual Machines Live Migration
Chetan Dhule, G. H. Raisoni College of Engineering, Nagpur, India
Urmila Shrawankar, Department of Computer Science and Engineering, G. H. Raisoni College of Engineering, Nagpur, India
- 57 Service Level Agreements for Smart Healthcare in Cloud
Mridul Paul, Birla Institute of Technology Mesra, Off Campus - Kolkata, India
Ajanta Das, Birla Institute of Technology Mesra, Off Campus - Kolkata, India
- 71 Energy Aware Cluster Head Selection for Maximizing Lifetime Improvement in Internet of Things
Praveen Kumar Reddy Maddikunta, School of Information Technology, VIT University, Vellore, India
Rajasekhara Babu Madda, School of Computing Science and Engineering, VIT University, Vellore, India
- 92 A Framework for Effective Data Analytics for Tourism Sector: Big Data Approach
Sapna Sinha, Amity Institute of Information Technology, Noida, India
Vishal Bhatnagar, Ambedkar Institute of Advanced Communication Technologies and Research, New Delhi, India
Abhay Bansal, Amity School of Engineering and Information Technology, Noida, India
- 105 Fog Computing: Applications, Concepts, and Issues
Chintan Bhatt, Department of Computer Engineering, Charotar University of Science and Technology, Anand, India
C. K. Bhensdadia, Dharmsinh Desai University, Nadiad, India

Copyright

The **International Journal of Grid and High Performance Computing (IJGHPC)** (ISSN 1938-0259; eISSN 1938-0267), 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 Grid and High Performance Computing* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)