Table of Contents

RESEARCH ARTICLES

1 Energy Efficiency Oriented Scheduling for Heterogeneous Cloud Systems
Weiwei Lin, South China University of Technology, Guangzhou, China
Chao Yang, South China University of Technology, Guangzhou, China
Chaoyue Zhu, South China University of Technology, Guangzhou, China
James Z. Wang, School of Computing, Clemson University, Clemson, SC, USA
Zhiping Peng, Guangdong University of Petrochemical Technology, Maoming, China

15 Analyzing the Cooling Efficiency of the Thermal Environment in Data Centers
Yongmei Xu, College of Management, Jinan University, Guangzhou, China & Enterprise Development Research Center, Jinan University, Guangzhou, China
Jingru Zhang, College of Management, Jinan University, Guangzhou, China
Yuhui Deng, Department of Computer Science, Jinan University, Guangzhou, China
Lan Du, China Mobile Group Co. Ltd., China
Rong Jiao, China Mobile Group Co. Ltd., China

28 QoS Oriented Enhancement based on the Analysis of Dynamic Job Scheduling in HPC
Reshmi Raveendran, SBM College of Engineering and Technology, Dindigul, India
D. Shanthi Saravanan, PSNA College of Engineering and Technology, Dindigul, India

46 Methodology for Information Management and Data Assessment in Cloud Environments
Mariam Kiran, Department of Computer Science, University of Sheffield, Sheffield, UK
Gregory Katsaros, FZI Research Center for Information Technology, Karlsruhe Institute of Technology, Karlsruhe, Germany
Jordi Guitart, Barcelona Supercomputing Center (BSC), Barcelona, Spain
Juan Luis Prieto, Atos Research and Innovation, Barcelona, Spain

72 Ambulance Dispatching System with Integrated Information and Communication Technologies on Cloud Environment
Jian-Wei Li, Department of Information and Communication Engineering, Chaoyang University of Technology, Taiwan
Chia-Chi Chang, Department of Information and Communication Engineering, Chaoyang University of Technology, Taiwan
Yi-Chun Chang, Department of Computer Science and Information Engineering, National Taiwan University, Taiwan

Copyright
The International Journal of Grid and High Performance Computing (IJGHPC) (ISSN 1938-0259; eISSN 1938-0267), 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.