

Journal of Communications

CONTENTS

Volume 9, Number 4, April 2014

Special Issue on Cloud and Big Data

- Guest Editorial—Cloud and Big Data i
 Niklas Carlsson, Xiaolin (Andy) Li, Mukesh Singhal, and Mea Wang

- Cwmwl, a LINDA-based PaaS Fabric for the Cloud 286
 Joerg Fritsch and Coral Walker

- Thermal Modeling and Analysis of Cloud Data Storage Systems 299
 Xunfei Jiang, Mohammed I. Alghamdi, Maen M. Al Assaf, Xiaojun Ruan, Ji Zhang, Meikang Qiu, and Xiao Qin

- High-Throughput Scientific Workflow Scheduling under Deadline Constraint in Clouds 312
 Michelle M. Zhu, Fei Cao, and Chase Q. Wu

Regular Papers

- Steady-State of The SLAW Mobility Model 322
 Aarti Munjal, William C. Navidi, and Tracy Camp

- Dominating-Set-Index based Searching Algorithm in Mobile P2P Networks 332
 Cheng Chang, Ye Wang, and Jie Sun

- Low Complex Energy-Efficient Resource Allocation in Femtocell Networks 343
 Zhicai Zhang, Fengchao Fu, Xiangming Wen, Zhaoming Lu, Jun Zhao, and Wepeng Jing

- Performance Comparisons of Optimal Power Allocation over Nakagami- m and Rayleigh Fading Channels in Wireless Cooperative Systems 350
 Edriss E. B. Adam, Li Yu, and Doudou Samb

- Robust Multiband Spectrum Sensing in Cognitive Radio Networks via Exponentially Embedded Family Criterion 357
 Haobo Qing, Yuanan Liu, Gang Xie, Kaiming Liu, and Fang Liu

- Achievable Rates of Gaussian Broadcast Channel with Interference 364
 Zouhair Al-qudah

- ASPL-APBT Algorithm for Block Compressed Sensing Image Reconstruction 371
 Aiping Yang, Gai Li, Zhengxing Hou, and Yuqing He