CONTENTS

EDITORIAL
923  Green Mobile Networking and Communications
Min Chen and Victor C.M. Leung

SPECIAL FOCUS ON GREEN MOBILE NETWORKING AND COMMUNICATIONS
926 Quality of Interaction for Sensor Network Energy-Efficient Management
Wei Gong, Kebin Liu, Xiaoxu Li, Xin Miao and Tong Zhu
938 An Energy-Efficient Routing Protocol Using Movement Trends in Vehicular Ad hoc Networks
Daqiang Zhang, Zhijun Yang, Vaskar Raychoudhury, Zhe Chen and Jaime Lloret
947 Cyber-Physical Systems for Optimal Energy Management Scheme of Autonomous Electric Vehicle
Jiafu Wan, Meihua Yan, Di Li, Keliang Zhou and Lu Zeng
957 Energy-Efficient K-Cover Problem in Hybrid Sensor Networks
Kai Lin, Xiaofei Wang, Limei Peng and Yuan Zhu
968 Distributed Topology Control Based on Coalition Formation Game in Wireless Networks
Jiaojiao Liu, Yige Wang and Gang Wei
977 An Empirical Investigation of the Impact of Server Virtualization on Energy Efficiency for Green Data Center
Yichao Jin, Yonggang Wen, Qinghua Chen and Zuqing Zhu
991 A Performance Optimization Mechanism for SSD in Virtualized Environment
Xiaofei Liao, Hai Jin, Jia Yu and Dingding Li
1001 Flow-Level Analysis of Energy Efficiency Performance for Device-to-Device Communications in OFDM Cellular Networks
Lei Lei, Jing Zhao, Zhangbui Zhong and Kan Zheng
1010 Cooperative Energy Efficiency Modeling and Performance Analysis in Co-Channel Interference Cellular Networks
Jing Zhang, Yi Yang, Qi Yao, Xiaohu Ge, Minho Jo and Gusqiang Mao
1020 Appliance-Aware Activity Recognition Mechanism for IoT Energy Management System
Wei-Ting Cho, Ying-Xun Lai, Chin-Feng Lai and Yueh-Min Huang
1034 Improving the Transmission Efficiency by Considering Non-Cooperation in Ad Hoc Networks
Yi Sun, Yang Guo, Yuming Ge, Shan Lu, Jiuhua Zhou and Eryk Dutkiewicz