Regular Papers (Total: 25)

10	Hui Chen and Shiping Yang	Research on Ultra-dependable Embedded Real Time Operating System
14	Guosun Zeng	An Executing Method for Time and Energy Optimization in Heterogeneous Computing
18	Haitao Li and Haiying Yuan	Uplink Cooperative Detection for Non-binary Coded Wireless Network
19	Wumi Zhong, Gaotao Shi, Zenghua Zhao and Feng Xia	Parasite: A System for Energy Saving with Performance Improvement in Networked Desktops
27	Wen Wu, Jian Xu, Ming Xu and Ning Zheng	An Enhanced Vector-Based Update Algorithm for Network-Constrained Moving Clients
28	Yongqiang Gao, Haibing Guan, Zhengwei Qi, Yubin Wu and Rui Wang	A Power and Performance Management Framework for Virtualized Server Clusters
29	Maryline Chetto, Damien Masson and Serge Midonnet	Fixed priority Scheduling strategies for Ambient Energy-Harvesting embedded systems
52	Sirui Yang, Xiaoming Li and Tin-Fook Ngai	Diadem: Prefetch-based Traffic Shaping for Energy Saving in Wireless Networks
54	Chenying Hou, Fa Zhang, Lin Wang and Zhiyong Liu	Time-slot Energy-efficient Scheduling Algorithm for Capacity Limited Networks
57	Jingjie Liu, Lei Nie and Zhiwei Xu	The Input-Sensing Problem in Ternary Computing and Its Application in Household Energy-saving
59	Hui Xia, Zhiping Jia, Lei Ju, Xin Li and Youqin Zhu	A Subjective Trust Management Model with Multiple Decision Factors for MANET based on AHP and Fuzzy Logic Rules
60	Zheng Li, Li Wang, Shangping Ren and Gang Quan	Temperature, Power, and Makespan Aware Dependent Task Scheduling for Data Centers
61	Nakku Kim, Jungwook Cho and Euiseong Seo	Energy-Based Accounting and Scheduling of Virtual Machines in a Cloud System
63	Yuan Wen, Xingsheng Tang, Lihan Ju and Tianzhou Chen	PeRex: A power efficient FPGA-based architecture for regular expression matching
64	Zhao Bo, Liu Qinrang and Liu Xiaomin	Evaluation of Encrypted Data Identification Methods Based on Randomness Test
67	Markus Tauber, Saleem Bhatti and Yi Yu	Application Level Energy and Performance Measurements in a Wireless LAN
70	Hong-Chan Chang, Cheng-Chien Kuo, Jheng-	Generation Dispatch Strategy under Environment Protection Consideration

	Lun Jiang and Shao-An Lu	
71	Supaporn Chai-Arayalert and Keiichi Nakata	The Evolution of Green ICT Practice: UK Higher Education Institutions Case Study
74	Frederic Pinel, Johnatan Pecero, Samee Khan and Pascal Bouvry	Energy-efficient scheduling on milliclusters with performance constraints
75	Yuan Bo, Wang Binqiang, Sun Zhigang and Dai Yi	A Green Parallel Forwarding and Switching Architecture for Green Network
76	Xingwu Liu, Dongbo Bu, Chunlin Huang, Yunfei Bai and Xiaoyan Wang	PEARL: Probing Entity Aggregation in Real Life
78	Zhibo Wang and Yanqing Zhang	Energy-Efficient Task Scheduling Algorithms with Human Intelligence Based Task Shuffling and Task Relocation
79	Changyou Zhang	Programming-Oriented Power Measuring for GPUs Cluster
85	Zhenlin Guo, Wei Jiang, Nan Sang, and Yue Ma	Energy Measurement and Analysis of Security Algorithms for Embedded Systems
88	Hong Mao, Shengqiu Hu, Zhenzhong Zhang, Limin Xiao, and Li Ruan	A load-driven task scheduler with adaptive DSC for MapReduce

Short Papers (Total: 20)

9	Yan Shen and Hui Ju	Energy-Efficient Cluster-head Selection Based on A Fuzzy Expert System in Wireless Sensor Networks
13	Jinming Li, Min Zhao and Xiangling Wang	Design and simulation of 60-order filter based on FPGA
16	Umamaheswari S, Monisha K, Jahir Ali J and Rajapaul Perinbam J	Comparing the Performance Parameters of Network on Chip with Regular and Irregular Topologies
22	G Subrahmanya Vrk Rao, Jeyabalan Saravanakumar, Karthik Sundararaman, Parthasarathi Jinka and S Ramesh	Intelligent GreenIT Management for Enterprises through System Profiling
23	G Subrahmanya Venkata Radha Krishna Rao, Ramesh S, V Arun Muthuraj, Karthik Sundararaman and Parthasarathi Jinka	CGLive – A RealTime Power Monitoring Solution for Enterprises
24	Zhuyun Duanmu, Jingjing Yan and You-Fu Lee	An approach of process control in software product line
26	Iulia Dumitru, Yanis Hadj Said,	Increasing Energy Efficiency in

	Stéphane Ploix, Ioana Făgărășan and Sergiu Iliescu	Data Centers using Energy Management
31	Dong-Liang Lee and Chung-Liang Hsu	An Implementation of Intellignt Energy Saving System
33	Yan Shen and Hui Ju	Energy-Efficient Task Assignment Based on Entropy Theory and Particle Swarm Optimization Algorithm for Wireless Sensor Networks
34	Xinying Zheng and Yu Cai	Reducing Electricity and Network Cost for Online Service Providers in Geographically Located Internet Data Centers
53	Junfeng Sun, Chunlin Huang and Jing Dong	Research on Power-aware Scheduling for High-Performance Computing System
55	Wei Liu, Hongfeng Li, Wei Du and Feiyan Shi	Energy-aware Task Clustering Scheduling Algorithm for Heterogeneous Clusters
58	Cheng Jia, Lei Hang and Zhan Jinyu	Embedded Shared Remote Debugging Model
62	Jung-Sing Jwo, Jing-Yu Wang and Hsu-Cheng Hsu	An Energy Consumption Model for Enterprise Applications
65	Luyang Wang and Tao Wang	Green Computing Wanted: Electricity Consumptions in the IT industry and by Household Computers in Five Major Chinese Cities
80	Kim Khoa Nguyen, Mohamed Cheriet, Mathieu Lemay, Michel Savoie, Martin Brooks, Cameron Kiddle, Randall Robinson and Bill St-Arnaud	Converging Internet Operators and Energy Providers Benefits In Green Data Center Networks
81	Tan Yiming	Power Estimation for Application Program Based on Artificial Neural Network
83	Krishan Lavania, Madhur Gupta and Sapna Jain	Green Computing
92	Yuzhong Sun, and Ying Song	Beyond Green : Evolution to Adaptability and Recyclability
97	Qilin Li, Mingtian Zhou and Bing Guo	The Survey and Future Evolution of Green Computing