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| <i>Pei Li, Elisabeth Brunet, and Raymond Namyst</i> | |
| QbDJ: A Novel Framework for Handling Skew in Parallel Join Processing on Distributed Memory | 1519 |
| <i>Long Cheng, Spyros Kotoulas, Tomas E. Ward, and Georgios Theodoropoulos</i> | |
| Performance Analysis of MPI Parallel Programs on Xen Virtual Machines | 1528 |
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| <i>Karthick Ramachandran, Hanan Lutfiyya, and Mark Perry</i> | |

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| <i>Kuniaki Kuto, Kenichi Takahashi, Takao Kawamura, and Kazunori Sugahara</i> | |
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| <i>Chunyu Tang, David A. Naumann, and Susanne Wetzel</i> | |
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| <i>Raja Naeem Akram, Konstantinos Markantonakis, and Keith Mayes</i> | |
| A Distributed Privacy-Aware Architecture for Communication in Smart Grids | 1622 |
| <i>Christian Callegari, Sara De Pietro, Stefano Giordano, Michele Pagano, and Gregorio Procissi</i> | |
| Access Control to Prevent Attacks Exploiting Vulnerabilities of WebView in Android OS | 1628 |
| <i>Jing Yu and Toshihiro Yamauchi</i> | |
| BotCatch: A Behavior and Signature Correlated Bot Detection Approach | 1634 |
| <i>Yuede Ji, Yukun He, Qiang Li, and Dong Guo</i> | |
| An Anti-power Attacks Implementation of AES Algorithm in ASIC | 1640 |
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| An Efficient Attack on a Fuzzy Keyword Search Scheme over Encrypted Data | 1647 |
| <i>Minghui Zheng and Huihua Zhou</i> | |
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| Fuzzy Based Dynamic Load Management Policy for Wireless Sensor Networks | 1665 |
| <i>Prasenjit Chanak and Indrajit Banerjee</i> | |
| An QoS Algorithm Based on ACO for Wireless Sensor Network | 1671 |
| <i>Zhong Li and Qinghua Shi</i> | |

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| <i>Yawei Zhao, Fei Cai, Junjie Xie, Lailong Luo, Xiaoqiang Teng, Honghui Chen, and Weijie Kong</i> | |
| An Energy-Aware Ant Colony Optimization Routing Algorithm in the Private Network | 1681 |
| <i>Guohong Kong, Hua Wang, Fuqiang Huang, Shanwen Yi, and Yaqing Wang</i> | |
| An Estimation of Distribution Algorithm for Steiner Tree Problem | 1687 |
| <i>Yaqing Wang, Hua Wang, and Guohong Kong</i> | |

D. Sessions and Papers FHC-13

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| An New Algorithm on Feature Selection with L-Norm PCA | 1699 |
| <i>Xiaoping Fan, Zhijie Chen, and Zhifang Liao</i> | |
| A New Algorithm for Repairing Non-manifold Surfaces | 1704 |
| <i>Yaoping Fei, Songqiao Chen, Dan Su, Jianping Luo, and Min Li</i> | |
| Use of Grammars and Machine Learning in ETL Systems That Control Load Balancing Process | 1709 |
| <i>Marcin Gorawski, Michal Gorawski, and Stanislaw Dyduch</i> | |
| Energy-Efficient Scheduling Algorithms for Data Center Resources in Cloud Computing | 1715 |
| <i>Tamal Adhikary, Amit Kumar Das, Md. Abdur Razzaque, and A.M. Jehad Sarkar</i> | |
| LoGV: Low-Overhead GPGPU Virtualization | 1721 |
| <i>Mathias Gottschlag, Marius Hillenbrand, Jens Kehne, Jan Stoess, and Frank Belloso</i> | |
| LSoVC: A Framework for Taking Live Snapshot of Virtual Cluster in the Cloud | 1727 |
| <i>Ruiqi Sun, Jie Yang, Zhan Gao, and Zhiqiang He</i> | |

E. Sessions and Papers EMCA-13

The Third International Workshop on Embedded Multi-core Computing and Applications (EMCA-13)

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| <i>He Li, Ming Che, Jia Li, and Yan-Tao Shi</i> | |
| A Parallel Depth-Aided Exemplar-Based Inpainting for Real-Time View Synthesis on GPU | 1739 |
| <i>Zheng Tian, Cheng Xu, and Xiaoyun Deng</i> | |
| Embedded Real-Time Application Prototyping Using a Hybrid Multiprocessing Platform | 1745 |
| <i>Weihua Sheng, Vitaliy Volevach, Rainer Leupers, and Gerd Ascheid</i> | |
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| <i>Nor Asilah Wati Abdul Hamid, Olivier Serres, Ahmad Anbar, and Sazlinah Hassan</i> | |
| Efficient GPU-Based Algorithm for Aligning Huge Sequence Database | 1758 |
| <i>Chun-Yuan Lin, Che-Lun Hung, and Jen-Cheng Huang</i> | |
| Towards High-Speed Real-Time HTTP Traffic Analysis on the Tileria Many-Core Platform | 1763 |
| <i>Jing Xu, Hanbo Wang, Wei Liu, and Xiaojun Hei</i> | |
| DPagg: A Dynamic Partition Aggregation on Multicore Processor in Main-Memory Database | 1769 |
| <i>Dateng Hao and Li Sun</i> | |
| Filtering Strategy Research Based on BDS/DR Navigation System | 1778 |
| <i>Jun Chen and Xiao-Fei Wu</i> | |
| Parallel Foreground Object Detection on a Polymorphous Computer | 1784 |
| <i>Yi Zhang, Tao Li, and Jungang Han</i> | |
| Positive Handling the Low-Criticality Tasks in Mixed-Criticality Scheduling on Multiprocessors | 1790 |
| <i>Long Li, Lida Huang, Renfa Li, Renfei Wu, and Yong Xie</i> | |

F. Sessions and Papers ESCAPE-13

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| <i>Bing Wang, Xianfeng Liu, Zhenxi Lei, and Gaocai Wang</i> | |
| Compression XML Encoding Scheme of Supporting Updating Data Completely | 1802 |
| <i>Zhenxi Lei, Xianfeng Liu, Zhou Zhou, and Gaocai Wang</i> | |
| Multi-GPU Acceleration for Smart Grid Data Compression | 1808 |
| <i>Zhi-Hung Chen and Che-Rung Lee</i> | |
| Group Scheduling for Improving Both CPU and Memory Power Efficiency Simultaneously | 1814 |
| <i>Gangyong Jia, Xi Li, Jian Wan, Chao Wang, and Dong Dai</i> | |
| Impact Evaluation on Cultural Tourism Resources Development Based on a Multi-index Integrated Entropy Weight Method | 1820 |
| <i>Zhang Liu and Chen Feihu</i> | |

G. Sessions and Papers HPTC-13

The 2013 International Workshop on High Performance and Transparent Computing (HPTC-13)

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| Performance Analysis of 802.11 Broadcast Channel Access Based on Finite Queue and Markov Chain | 1826 |
| <i>Zheng Liu, Sanfeng Zhang, Yi Ji, and Minjie Xu</i> | |
| Analysis on the Scheduling Problem in Transparent Computing | 1832 |
| <i>Ren Ju, Zhang Yaoxue, and Chen Jianer</i> | |
| A Cross Platform Computing Method and Its Application for Mobile Device in Transparent Computing | 1838 |
| <i>Wei Liang, Yonghua Xiong, and Min Wu</i> | |
| Shared Resource and Service Management for Mobile Transparent Computing | 1846 |
| <i>Yonghua Xiong, Suzhen Huang, and Min Wu</i> | |
| SPRNT: An Aggressive Approach to Dynamically Schedule Resources with Limited Service Failure in VM-Based Data Centers | 1854 |
| <i>Jinzhaio Liu and Yuezhi Zhou</i> | |
| Instant Bug Testing Service for Linux Kernel | 1860 |
| <i>Yu Chen, Fengguang Wu, Kuanlong Yu, Lei Zhang, Yuheng Chen, Yang Yang, and Junjie Mao</i> | |

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| CASH: A Context-Aware Scheduling for Hypervisor Based on KSM | 1866 |
| <i>Lei Zhang, Yaozu Dong, and Yu Chen</i> | |
| A Cross Layer Design for Improving Trivial File Transfer Protocol in Mobile Transparent Computing | 1872 |
| <i>Juan Li, Wang Yang, and Guojun Wang</i> | |
| NFS Protocol Performance Analysis and Improvement for Mobile Transparent Computing | 1878 |
| <i>Shaoming Guo, Wang Yang, and Guojun Wang</i> | |
| Wireless Multicast for Mobile Transparent Computing | 1884 |
| <i>Huanying Yin, Wang Yang, and Guojun Wang</i> | |
| Energy-aware framework for virtual machine consolidation in Cloud computing | 1890 |
| <i>Zhibo Cao and Shoubin Dong</i> | |
| Combining Program Analysis and Empirical Search to Optimize Programs | 1896 |
| <i>Pingjing Lu, Bao Li, Zhengbin Pang, Ying Zhang, and Shaogang Wang</i> | |
| A MapReduce Computing Framework Based on GPU Cluster | 1902 |
| <i>Heng Gao, Jie Tang, and Gangshan Wu</i> | |
| VCE-PSO: Virtual Cloud Embedding through a Meta-heuristic Approach | 1908 |
| <i>Chunguang Wang, Qingbo Wu, Yusong Tan, Deke Guo, and Quanyuan Wu</i> | |
| The Synchronization Treatment in Implementing Data-Parallel Programming Languages on CPUs | 1916 |
| <i>Feng Yue, Jianmin Pang, Rongcai Zhao, and Chao Dai</i> | |
| Profit-Oriented Scheduling Optimization for Workflow in Clouds | 1922 |
| <i>Haoran Ji, Weidong Bao, Xiaomin Zhu, and Shu Yin</i> | |
| Swarm Communication - A Messaging Pattern Proposal for Dynamic Scalability in Cloud | 1930 |
| <i>Lenuta Alboaie, Sinica Alboaie, and Andrei Panu</i> | |
| AEP - Automatic Exchange of Embedded System Software Parameters | 1938 |
| <i>Rita De Cássia Cazu Soldi and Antônio Augusto Medeiros Fröhlich</i> | |
| Fast Sparse Signal Approximation Via Matching Pursuit | 1944 |
| <i>M.J. Wang, W.D. Yu, and Y. Wang</i> | |

H. Sessions and Papers NOPE-13

The 2013 International Workshop on Network Optimization and Performance Evaluation (NOPE-13)

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|---|------|
| Finding Heavy-Hitter by Periodically Deleting Small Flows | 1948 |
| <i>Lili Wang, Weijiang Liu, and Shanshan Liu</i> | |
| Parallel Computation Efficiency Analysis of Numerical Simulation of Copper Flash Smelting Furnace | 1953 |
| <i>Qing Wu, Yang Dai, Jun Chen, and Zhuo Chen</i> | |
| Improved Block Kalman Filter for Degraded Image Restoration | 1958 |
| <i>Cui Liu, Ying Zhang, Haoqian Wang, and Xingzheng Wang</i> | |
| A Sensitivity Adjustment for Tunable Antenna Using Predictive Data | 1963 |
| <i>Wataya Akira, Yamane Takeshi, Takahashi Kenichi, Kawamura Takao, and Sugahara Kazunori</i> | |
| A Data Gathering Scheme for WSN/WSAN Based on Partitioning Algorithm and Mobile Sinks | 1968 |
| <i>Xiangli Zhang, Hanrong Bao, Jin Ye, Kun Yan, and Hongmei Zhang</i> | |

I. Sessions and Papers in EUC-13

The 11th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC-13)

Session I1: Embedded System Software and Optimization

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| An Effective Synchronization Cost Reduction Approach | 1974 |
| <i>Omar Kermia and Ramdane Kechad</i> | |
| Deduplication with Block-Level Content-Aware Chunking for Solid State Drives (SSDs) | 1982 |
| <i>Jin-Yong Ha, Young-Sik Lee, and Jin-Soo Kim</i> | |
| Run-Time Reconfiguration to Tolerate Core Failures for Real-Time Embedded Applications on NoC Manycore Platforms | 1990 |
| <i>Zheng Li, Shuhui Li, Xiayu Hua, Hao Wu, and Shangping Ren</i> | |
| Cost Model Based Analyses on Performance Effects of Loop Transformations in Block Associative Sector Translation | 1998 |
| <i>Joon-Young Paik, Tae-Sun Chung, and Eun-Sun Cho</i> | |
| An Efficient Fault Recovery Algorithm in Multiprocessor Mixed-Criticality Systems | 2006 |
| <i>Guangdong Liu, Ying Lu, and Shige Wang</i> | |
| Bootless Boot: Reducing Device Boot Latency with Byte Addressable NVRAM | 2014 |
| <i>Dokeun Lee and Youjip Won</i> | |

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| Exclusive Memory Scheduling for Multimedia MPSoC | 2022 |
| <i>Su Liu, Menghao Su, Ruiyang Wu, and Lei Li</i> | |

Session I2: Real-Time Systems and Operating Systems

| | |
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