

Advanced Program

Oct. 20, Thursday	
Registration	
Oct. 21, Friday	
08:30-08:40	Conference Opening remarks Speakers: Nong Xiao and Weisong Shi
08:40-09:40	Keynote Speech Speaker: Zeyao Mo
09:40-10:00	Coffee Break
10:00-11:30	Session 1: Network and Parallel Algorithm Accelerating the Requirement Space Exploration through Coarse-Grained Parallel Execution Li Zhongwei and Yao Yiping A Global Benefit Maximization Task-Bundle Allocation Meiguang Zheng, Zhigang Hu, Peng Xiao, Meixia Zheng, Kai Zhang Service Quality Assurance Mechanism for P2P SIP VoIP Xiaofei Liao, Fengjiang Guo and Hai Jin
	Session 2: File System and Data Elastic Phoenix: Malleable MapReduce for Shared-Memory Systems Adam Wolf Gordon and Paul Lu A Load-Aware Data Placement Policy on Cluster File System Yu Wang, Jing Xing, Jin Xiong and Dan Meng H-Fuzzing: A New Heuristic Method for Fuzzing Data Generation Jinjing Zhao, Yan Wen and Gang Zhao
Lunch, 12:00	
Oct. 21, Friday	
13:30-15:00	Session 3: Cluster and Grid VSCM: a Virtual Server Consolidation Manager for Cluster Yang Liu, Yunchu Liu and Hanli Bai Informed Live Migration Strategies of Virtual Machines for Cluster Load Balancing Xing Li, Qinming He, Jianhai Chen, Kejiang Ye, Ting Yin Dynamic Advanced Reservation for Grid System Using Resource Pools Zhiang Wu, Jie Cao and Youquan Wang

13:30-15:00	<p>Session 4: Trust and Authentication A Way of Key Management in Cloud Storage Based on Trusted Computing Xin Yang, Qingni Shen and Yahui Yang</p> <p>Defense System Model based on Trust for Cloud Computing Qian Zhou, Jiong Yu and Feiran Yu</p> <p>A New Method for Authentication Based on Covert Chanel Yanan Sun, Xiaohong Guan and Ting Liu</p>
15:00-15:20	Coffee Break
15:20-16:50	<p>Session 5: Monitor, diagnose, and then optimize A New Method for Identifying Malicious Functions and Detecting Malwares Ting Liu, Xiaohong Guan, Yanan Sun and Yu Qu</p> <p>Pedestrian Detecting and Tracking using HOG and Oriented-LBP Features Yingdong Ma, Xiankai Chen and George Chen</p> <p>A Efficient Checkpointing Scheme Using Price History of Spot Instance in Cloud Computing Environment Daeyong Jung, Sungho Chin, Kwangsik Chung, Heonchang Yu and Joonmin Gil</p> <p>Session 6: Best Paper Candidate 1 WeLe-RAID: A SSD-based RAID for System Endurance and Performance Du Yimo, Liu Fang, Chen Zhiguang and Ma Xin</p> <p>Reorder the Write Sequence by Virtual Write Buffer to Extend SSD`s Lifespan Zhiguang Chen, Fang Liu and Yimo Du</p> <p>Power-Aware Runtime Incremental Mapping for 3-D Networks-on-Chip Xiaohan Wang, Maurizio Palesi, Mei Yang, Yingtao Jiang, Michael Huang and Peng Liu</p>
Banquet, 18:00	
Oct. 22, Saturday am.	
08:30-09:20	<p>Keynote Speech Speaker Jean-Luc Gaudiot</p>
09:20-10:50	<p>Session 7: Best Paper Candidate II Towards a Universal Sketch for Origin-Destination Network Measurement Haiquan Zhao, Nan Hua, Ashwin Lall, Ping Li, Jia Wang and Jun Xu</p> <p>A Power Adjusting Algorithm on Mobility Control in Mobile Ad Hoc Networks Yuan Jiangrui and Meng Jintao</p> <p>Memory-Side Acceleration for XML Parsing in Cloud Computing Environment Jie Tang, Shaoshan Liu, Zhiming Gu, Chen Liu and Jean Luc Gaudiot</p>

09:20-10:50	<p>Session 8: Architecture</p> <p>Hardware Performance Monitoring For the Rest of Us Tipp Moseley, Neil Vachharajani and William Jalby</p> <p>Improved Compact Routing Schemes for Power-Law Networks Mingdong Tang, Jianxun Liu, Guoqing Zhang</p> <p>An Efficient Architecture Design of Hardware Interface for Heterogeneous Multi-core System Xiongli Gu, Jie Yang, Chunming Huang and Peng Liu</p>
10:50-11:00	Coffee Break
11:00-12:30	<p>Session 9: Network and Mobile Computing</p> <p>Evaluation on Effectiveness of Bump-Slot over DAP-NAD-based Tactical Wideband Wireless Network Sewon Han and Byung Seo Kim</p> <p>Access Path based Source Address Validation in Mobile IPv6 Min Zhu, Ke Xu and Qi Li</p> <p>Improve Google Android User Experience with Regional Garbage Collection Yunan He, Chen Yang and Xiaofeng Li</p>
Lunch, 13:00	
Oct. 22, Saturday	
Visit the Tianhe Supercomputer in National University of Defense Technology	
Oct. 23, Saturday	
Tour	