## Advanced Program

### Oct. 20, Thursday

**Registration**

### Oct. 21, Friday

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 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  |

### Lunch, 12:00

### Oct. 21, Friday

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<th>Time</th>
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| 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, Qinning He, Jianhai Chen, Kejiang Ye, Ting Yin  
Dynamic Advanced Reservation for Grid System Using Resource Pools  
Zhiang Wu, Jie Cao and Youquan Wang  |
<table>
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<tr>
<th>Time</th>
<th>Session 4: <strong>Trust and Authentication</strong></th>
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</table>
| 13:30-15:00| A Way of Key Management in Cloud Storage Based on Trusted Computing  
Xin Yang, Qingni Shen and Yahui Yang |
|            | Defense System Model based on Trust for Cloud Computing  
Qian Zhou, Jiong Yu and Feiran Yu |
|            | A New Method for Authentication Based on Covert Chanel  
Yanan Sun, Xiaohong Guan and Ting Liu |

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<tr>
<th>Time</th>
<th>Coffee Break</th>
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<td>15:00-15:20</td>
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<tr>
<th>Time</th>
<th>Session 5: <strong>Monitor, diagnose, and then optimize</strong></th>
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| 15:20-16:50| A New Method for Identifying Malicious Functions and Detecting Malwares  
Ting Liu, Xiaohong Guan, Yanan Sun and Yu Qu |
|            | Pedestrian Detecting and Tracking using HOG and Oriented-LBP Features  
Yingdong Ma, Xiankai Chen and George Chen |
|            | 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 |

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<tr>
<th>Time</th>
<th>Session 6: <strong>Best Paper Candidate 1</strong></th>
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| 15:20-16:50| WeLe-RAID: A SSD-based RAID for System Endurance and Performance  
Du Yimo, Liu Fang, Chen Zhiguang and Ma Xin |
|            | Reorder the Write Sequence by Virtual Write Buffer to Extend SSD’s Lifespan  
Zhiguang Chen, Fang Liu and Yimo Du |
|            | Power-Aware Runtime Incremental Mapping for 3-D Networks-on-Chip  
Xiaohan Wang, Maurizio Palesi, Mei Yang, Yingtao Jiang, Michael Huang and Peng Liu |

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<tr>
<th>Time</th>
<th>Banquet, 18:00</th>
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<td>Oct. 22, Saturday am.</td>
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| 08:30-09:20 | Keynote Speech  
Speaker Jean-Luc Gaudiot |

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<tr>
<th>Time</th>
<th>Session 7: <strong>Best Paper Candidate II</strong></th>
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| 09:20-10:50| Towards a Universal Sketch for Origin-Destination Network Measurement  
Haiquan Zhao, Nan Hua, Ashwin Lall, Ping Li, Jia Wang and Jun Xu |
|            | A Power Adjusting Algorithm on Mobility Control in Mobile Ad Hoc Networks  
Yuan Jiangrui and Meng Jintao |
|            | Memory-Side Acceleration for XML Parsing in Cloud Computing Environment  
Jie Tang, Shaoshan Liu, Zhiming Gu, Chen Liu and Jean Luc Gaudiot |
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<tr>
<th>Time</th>
<th>Session 8: <strong>Architecture</strong></th>
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<tbody>
<tr>
<td>09:20-10:50</td>
<td>Hardware Performance Monitoring For the Rest of Us</td>
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<td>Tipp Moseley, Neil Vachharajani and William Jalby</td>
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<td>Improved Compact Routing Schemes for Power-Law Networks</td>
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<td>Mingdong Tang, Jianxun Liu, Guoqing Zhang</td>
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<td>An Efficient Architecture Design of Hardware Interface for Heterogeneous Multi-core System</td>
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<td>Xiongli Gu, Jie Yang, Chunming Huang and Peng Liu</td>
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<td>10:50-11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00-12:30</td>
<td><strong>Session 9: Network and Mobile Computing</strong></td>
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<td>Evaluation on Effectiveness of Bump-Slot over DAP-NAD-based Tactical Wideband Wireless Network</td>
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<td>Sewon Han and Byung Seo Kim</td>
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<td>Access Path based Source Address Validation in Mobile IPv6</td>
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<td>Min Zhu, Ke Xu and Qi Li</td>
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<td>Improve Google Android User Experience with Regional Garbage Collection</td>
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<td>Yunan He, Chen Yang and Xiaofeng Li</td>
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<td>Lunch, 13:00</td>
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**Oct. 22, Saturday**
Visit the Tianhe Supercomputer in National University of Defense Technology

**Oct. 23, Saturday**
Tour