
20 October 2012, Saturday

Session 1-1 Distributed / Parallel Processing

Venue: No.2 Meeting Room

Chair: Prof. Chi Xuebin, Chinese Academy of Sciences, China

10:45~11:10	<i>Carl Kelley, Han Dong, Dana Knoll, Jeffrey Willert, Mahesh Ravishankar, Paul Sathre, et al.</i> Hybrid Deterministic/Monte Carlo Neutronics using GPU Accelerators
11:10~11:35	<i>Xiong Zhenhai, Chi Wanqing, Lu Kai, Wang Xiaoping and Li Gen</i> GPU Acceleration of Saliency Detection Algorithm
11:35~12:00	<i>Quan Yang, Zhihui Du and Sen Zhang</i> Optimized GPU Sorting Algorithms on Special Input Distributions
12:00~13:30	Lunch Break

Session 1-2 Distributed / Parallel Processing

Venue: No.2 Meeting Room

Chair: C. T. (Tim) Kelley, Drexel Professor of Mathematics, [North Carolina State University](#), USA

14:00~14:25	<i>Rong Liu, Yongfan Zhang and Meiqing Wang</i> Research on parallel computing algorithm of the second harmonic generation coefficients of nonlinear optical crystals based on MPI
14:25~14:50	<i>Zhaohua Yin</i> A CUDA Pseudo-spectral Solver for Two-dimensional Navier-Stokes Equation
14:50~15:15	<i>Ping Ai, Peng Feng, Ping Mu</i> Research on Hydrological Information Organization Based on Virtualization
15:15~15:40	<i>Xiaodong Song, Wanfeng Dou, Guoan Tang, Kun Yang, Kejian Qian</i> A Fault Tolerance Scheduling Algorithm for Parallel Terrain Analysis
15:40~15:55	Coffee Break

20 October 2012, Saturday	
Session 1-3 Distributed / Parallel Processing	
Venue: No.2 Meeting Room	
Chair: Professor Craig Douglas UW, USA	
15:55~16:20	<i>Rui Ding, Rongcai Zhao and Xiaoxian Liu</i> An improvement to affine decomposition on distributed memory architecture
16:20~16:45	<i>Zhibin Huang, Mingfa Zhu, Limin Xiao, Li Ruan and Yi Ding</i> A Novel Online Measure of Cache Utility Efficiency in Chip Multiprocessor
16:45~17:10	<i>Jing Zhao, Wanfeng Dou, Xuejun Liu and Kun Yang</i> Research on Data parallel and Scheduling Mechanism based on Petri nets
17:10~17:35	
17:50	Conference Banquet (Venue: Hotel Dining Room)

Note: All Sessions in No.1 and No.2 meeting Room are concurrent.

21 October 2012, Sunday				
	Concurrent Session 1 Computational Modeling and Processes	Venue: No.2 Meeting Room Chair: Professor C. T. (Tim) Kelley, NCSU, USA	Concurrent Session 2 Computer Networks and Architectures etc.	Venue: No.1 Meeting Room Chair: Prof. Shugang Wei Gunma University, Japan
08:15~08:40	<i>Yan Zeng, Xuesong Wu and Jianwen Cao</i> The Research and Analysis of Hungarian Algorithm in the Structure Index Reduction for DAE		<i>Yong Hao and Changyun Jiang</i> Capability Evaluation of Maritime Emergency Management System	
08:40~09:05	<i>Lin Ouyang</i> A New Linear Programming Based Load-shedding Strategy		<i>Juan Fang and Chengyan Li</i> An Improved Multi-core Shared Cache Replacement Algorithm	

09:05~09:30	<i>Shufeng Gao and Ai Xu</i> Boosting Electronic Business Applications by Digitally Enabling SMBs with Cloud Computing Model		<i>Junqing Zhang and Ruchuan Wang</i> A Coverage Control Algorithm Based on Probability Model for Three-Dimensional Wireless Sensor Networks	
09:30~09:55	<i>Wang Dan, Li Xuejiao, Zhang Shesheng</i> Dynamic parallel computing model of the aircraft landing on atrocious sea condition		<i>Zhang Jian, Cheng Yanfen and Chu Xiumin</i> Research on Service Platform of Three Gorges Lockage Maritime Security	
09:55~10:10	Coffee Break			
	Concurrent Session 3 Computation Theory and Algorithms	Venue: No.2 Meeting Room Chair: Professor Craig Douglas UW, USA	Concurrent Session 4 Information Security and Others	Venue: No.1 Meeting Room Chair: Prof. Xu Wenbo, JianNan University
10:10~10:35	<i>Shugang Wei and Changjun Jiang</i> Residue Signed-Digit Arithmetic and the Conversions between Residue and Binary Numbers for a Four-Moduli Set		<i>Yao Nianmin, Ma Haifeng, Cai Shaobin and Han Qilong</i> A Memory Integrity Protection Method based on Bloom Filter	
10:35~11:00	<i>Anping Song, Jianjiao Chen, Tran Thi Anh Tuyet, et al.</i> Clustering Gene Expression Data Based on Harmony Search and K-harmonic Means		<i>Zhu Liang</i> A Research on Foam-Detection Based on Image Analysis in the Process of Sewage Treatment	
11:00~11:25	<i>Jingbo Yuan, Jinsong Yang, Shunli Ding</i> An Improved Pattern Matching Algorithm Based on BMHS		<i>Ma Haifeng, Yao Nianmin, Cai Shaobin and Han Qilong</i> Memory Confidentiality and Integrity Protection Method based on Variable Length Counter	
11:25~11:50	<i>Yang Jiaxuan, Shi Guoyou</i> Modeling and Assessment of the Xijiang FPSO Turret Mooring System		<i>Craig Douglas and Mauricio Kritz</i> A Glimpse on Environmental Probes	
11:50~13:00	Lunch Break			
	Concurrent Session 5 Image/Video Processing	Venue: No.2 Meeting Room Chair: Professor Wang Meiqing Fuzhou University, China	Concurrent Session 6 E-business	Venue: No.1 Meeting Room Chair: Prof. XiaoJun Tong HIT, Harbin, China
13:30~13:55	<i>Guihua Shan, Jun Liu, Dong Tian, Maojin Xie and Xuebin Chi</i> Marching Cube Based Marker-controlled Watershed Segmentation for CryoEM Density Map		<i>Yonghua Yin, Jiajun Zong, and Quanyin Zhu</i> Cell Phones Price Forecast Based on Adaptive Sliding Windows	
13:55~14:20	<i>Yuan-feng Yang, Jian Wu, Jing Fang, Zhi-ming Cui</i> Image Retrieval Using ESNs and Relevance Feedback		<i>Yonghua Yin and Quanyin Zhu</i> Effect of Magnitude Differences in the Raw Data on Price Forecasting Using RBF Neural Network	
14:20~14:35	<i>Yuting Jiang, Meiqing Wang and Haiping Xu</i> A Survey for Region-based Level Set Image Segmentation		<i>Ai Xu and Shufeng Gao</i> Discussion on Usability and Optimization Issues in	

		Overseas University Websites: A British University as an Example	
14:35~15:00	<i>Yuan-feng Yang, Jian Wu, Jing Fang, Zhi-ming Cui</i> Parallel Hierarchical K-means Clustering-based Image Index Construction Method	Zhang Haoyue, Shesheng Zhang, Liu Chao, et al. A Parallel Algorithm of Non-linear High-Order Boundary Condition Problem for Hydrodynamics	
15:00~15:15	Coffee Break		
	Concurrent Session 7 Intelligent Transportation	Venue: No.2 Meeting Room Chair: Professor Wu Chaozhong <i>WUT, China</i>	Concurrent Session 8 Cloud/Grid Computing
			Venue: No.2 Meeting Room Chair: Professor Qingping Guo <i>WUT, China</i>
15:15~15:40	<i>Jianyuan Guo, Limin Jia, Jie Xu, Yong Qin</i> An Algorithm for Trip Planning with Constraint of Transfer Connection in Urban Mass Transit Network	<i>Jay Kiruthika, Dr. Gerard Horgan, Dr. Souheil Khaddaj</i> Quality Measurement for Cloud Based E-Commerce Applications	
15:40~16:05	<i>Wenjuan Zhang, Sang Linzhi and Mao Zhe</i> Denoising Method of Inland AIS Information Based on Vessel Track	<i>S. Khaddaj</i> Cloud Computing: Service Provisioning and User Requirements	
16:05~16:30	<i>Kun Li, Xinping Yan, Zhe Mao and Lingzhi Sang</i> Research on Inland Ship Navigation Status Monitoring System	<i>Yucheng Guo, Dongxu Hu, Peng Wu</i> MPI-Based Heterogeneous Cluster Construction Technology	
16:30~16:55	<i>Liu Chenguang, Ma Feng and Mao Zhe</i> Research on the Recognition of the Inland Ship Motion Status under the Stopping and Low-speed Sailing Condition	<i>E Oppong, S. Khaddaj</i> SOA and Cloud Service Provisioning Framework	
16:55~17:20		<i>Yucheng Guo, Lei Cao</i> Study of Location and Navigation Services in Complex Indoor Scenes Based on the Android Mobile Computing Platform	
17:30	Supper		

22 October 2012, Monday

Sightseeing in the City of Guilin, from 09:00 to 17:00, Discount Price: RMB 150 Yuan or \$25USD, arranged by a Travel Agency.
Detailed Information can be gotten from registration desk.