

International Workshop on Advanced Computing and Applications ACOMP 2008 Program

Pre-Workshop Tutorial – Tuesday 11 March 2008

	Time	Activities	Venue	Notes
Afternoon	1:00pm – 3:00pm	Tutorial 1: The dark side of TCP: Understanding TCP on very high-speed networks <i>By Cong-Duc Pham</i>	202B10	
	3:00pm – 3:15pm	Teabreak		
	3:15pm – 5:15pm	Tutorial2: MPI programming <i>By Tuan-Anh Nguyen</i>	202B10	

Workshop Day 1 – Wednesday 12 March 2008

	Time	Activities	Notes	
Morning	8:00am – 9:00am	Reception & Registration		
	9:00am – 9:30am	Opening speech	Main Hall (*)	
	9:30am – 10:30am	Keynote 1 – Chair: Hans Georg Bock Aiming for Zero Tracking Error in Control System by Iterating in Hardware Instead of Software <i>Richard W. Longman</i>	Main Hall	
	10:30am – 10:45am	Tea break		
		Parallel Session 1: Grid Computing 1 (R. 302B4) Chair: Laurent Lefevre	Parallel Session 2: Information System 1 (R. 401B4) Chair: Duong Tuan Anh	
	10:45am – 11:15am	A Case Study of Grid Enable Finite Element Calculation Services: Electromagnetic Calculations <i>Kamol Julkiwattananukul and Vara Varavithya</i>	Context-based Service Based on Interactive Social Network Discovery from Mobile Subscribers: a Case Study of NICE system <i>Jason J. Jung, Kono Kim, Hojin Lee, and Seongrae Park</i>	
	11:15am – 11:45am	A More Efficient Algorithm for Scheduling Divisible Workloads in Distributed Computing Platforms <i>Nguyen The Loc and Said Elnaffar</i>	M-DATDS - An advanced Medical Decision Support System <i>Werner Aigner and Josef Küng</i>	
11:45am – 12:15pm	3D Data Visualization Services for Archaeology <i>Oystein Pettersen, Nicole Bordes, Sean Ulm and Bernard Pailthorpe</i>	Towards an Extensible Exceptions-Aware Database Schema for Adaptive Workflows in SOA <i>Tran Khanh Dang, Viet Hung Nguyen and Hai Ly-Hoang</i>		
Lunch Break				
Afternoon	2:00pm – 3:20pm	Keynote 2 – Chair: Richard Longman - Robust optimization issues in parameter estimation and optimum experimental design for DAE models <i>Ekaterina Kostina</i> - 2D and 3D non-photorealistic rendering for the humanities <i>Michael J. Winckler</i>	Main Hall	
	3:20pm – 3:35pm	Tea break		
		Parallel session 1: Grid Computing 2 (R. 302B4) Chair: Cong-Duc Pham	Parallel Session 2: Information System 2(R. 401B4) Chair: Josef Küng	
	3:35pm – 4:05pm	A P2P Resource Organization Model for Cross-Site Network-Aware Applications <i>Tuan-Anh Nguyen and Anh Quach Hoang</i>	Towards an Extensible Library System for Data Mining <i>Phan Nhat Hai, Nguyen Hoang Anh, Tran Minh Quang, Ly Hoang Hai and Dang Tran Khanh</i>	
	4:05pm – 4:35pm	Distributed Resource Management for Grid Computing <i>Do Thanh Dung</i>	RANSPIN: A Random-Walk Based Model Checker <i>Thang H. Bui and Albert Nymeyer</i>	
	4:35pm – 5:05pm	Application Layer Multicast and N-tree Algorithm <i>Nam Thoai, Truong Khoa Phan, Hong Phu Nguyen and Duy Binh Dao</i>	An Integrated Approach in Medical Decision Making for eliciting knowledge <i>Siri Krishan Wasan and Harleen Kaur</i>	
	5:05pm – 5:35pm	Scheduling Algorithms for Solving a Class of Time Constrained Problems <i>Tuan Anh Nguyen, Tran Ngoc Minh</i>	An Extensible Framework for Detecting Database Security Flaws <i>Tran Khanh Dang, Quynh-Chi Truong, Phuong-Ha Cu-Nguyen and Que-Nguyet Tran-Thi</i>	

(*) Main Hall: B4 Conference Hall

Workshop Day 2 – Thursday 13 March 2008

	Time	Activities	Notes	
Morning	8:30am – 9:00am	Reception & Registration		
	9:00am – 10:00am	Keynote 3 – Chair: Nguyen Thanh Son GREEN-* : towards energy efficient solutions for next generation large scale distributed systems <i>Laurent Lefevre</i>	Main Hall (*)	
	10:00am-10:30am	Building bridges between the disciplines of science and engineering – the South East Asia Network for Scientific Computing, and the new Heidelberg Graduate School Mathematical and Computational Methods for the Sciences <i>Hans Georg Bock</i>	Main Hall	
	10:30am – 10:45am	Tea break		
		Parallel Session 1: Scientific Computing 1 (R. 302B4) Chair: Ekaterina Kostina	Parallel Session 2: Parallel Computing (R. 403B4) Chair: Le Ngoc Minh	
	10:45am – 11:15am	Method of Orienting Curves for Determining the Convex Hull of a Finite Set of Points in the Plane <i>Phan Thanh An</i>	Blocking coordinated checkpointing with delay mechanism for MPICH2 <i>Nguyen Phuong Duy, Dang Hoai Duc, Nam Thoai</i>	
	11:15am – 11:45am	A New Stochastic Algorithm for Continuous Optimization Problems <i>Thong Nguyen Huu and Hao Tran Van</i>	Applying parallel computing for enumerating orthogonal arrays <i>Hien H.T. Phan, Man V.M. Nguyen and Anh T. Nguyen</i>	
	11:45am – 12:15pm	Solver Development in Open Source Code OpenFOAM and Application to the Computation of Micro-Mixing Systems <i>Phuc-Danh Nguyen, Pascal Bruel, Tarik Kousksou and Anh-Thi Nguyen</i>	An Enhanced Checkpoint & Restart Framework in Open MPI <i>An Tran Thien, Hiep Bui Hoang and Nam Thoai</i>	
	12:15pm – 12:45pm	Optimal calculation of partial transmission ratios of helical gearboxes with first-step double gear-sets <i>Ngoc Pi Vu</i>	POP-Java programming system <i>Hai-Son Phan-Dinh and Tuan-Anh Nguyen</i>	
Lunch Break				
Afternoon				

(*) Main Hall: B4 Conference Hall

Workshop Day 3 – Friday 14 March 2008

	Time	Activities	Notes	
Morning	8:30am – 9:00am	Reception & Registration		
	9:00am – 10:00am	Keynote 4 – Chair: Johannes Schlöder Computational Fluid Dynamics and Its Applications Using PC Clusters <i>Jang-Hyuk Kwon</i>	Main Hall (*)	
	10:00am – 10:15am	Tea break		
		Parallel Session 1: Scientific Computing 2 (R. 302B4) Chair: Michael J. Winckler	Parallel Session 2: Grid Computing 3 (R. 303B4) Chair: Nguyen Tuan Anh	
	10:15am – 10:45am	Implicit Modeling of Urban Terrain Point Cloud Data <i>Gregory M. Nielson and Kun Lee</i>	Towards a Semantic-based and Failure-aware Job Submission Tool for Condor <i>Thuy T. Nguyen, Thanh D. Do, Son N. Le and Viet T. Dinh</i>	
	10:45am – 11:15am	Numerical simulation of atmospheric flow over hilly terrain using curvilinear boundary-fitted coordinates <i>Nguyen The Duc</i>	A Grid-based Anti-Virus and Anti-Spam System for Emails <i>Tan Dang Cao, Phuong Duy Pham, Son Ngoc Le, Tai Duc Le, Tri Minh Vu, Tuan Anh Dao and Son Tuan Pham</i>	
	11:15am – 11:45am	Fluid-Structure Interaction Analysis of a Moving Body by Applying Moving Mesh Approach <i>Doan Trieu An, Kyung-Ho Noh, Jae-Woo Lee and Yung-Hwan Byun</i>	A Scheduling Algorithm Supporting Advance Reservation <i>Nam Thoai, Chung Dao</i>	
	11:45am – 12:15pm	A study on optimal calculation of partial transmission <i>Ngoc Pi Vu</i>		
Lunch Break				
Afternoon		Parallel session 1: Applications (R. 302B4) Chair: Ottar Johnsen	Parallel Session 2: Side Meetings (R. 303B4)	
	2:00pm – 2:30pm	Performance Experiments of the Xen Virtualization on a Set of Selected Benchmarks for Enterprise Virtualization Deployments <i>Supakit Prueksaaroon, Vara Varavithya, and Sornthep Vannarat</i>	Open for side meetings & discussions	
	2:30pm – 3:00pm	Adaptive Segmentation Technique for Video in Spatial Domain <i>Nguyen Thanh Binh, Ashish Khare and Nguyen Chi Thanh</i>		
	3:00pm – 3:30pm	A Secure and Robust Method for Steganography in Video Data <i>Thu Thuy Luong, Tran Khanh Dang, Van Doan Nguyen</i>		
	7:00pm	Banquet Held at Grand Hotel, 8 Dong Khoi Street, District 1		

(*) Main Hall: B4 Conference Hall