

ISPA07 Tentative Program							
Aug.28, 2007 (Tuesday)							
16:00-20:00	Registration (Sheraton Fallsview Hotel - 2nd Floor)						
Aug.29, 2007 (Wednesday)							
7AM-6PM	Registration (Sheraton Fallsview Hotel - 2nd Floor)						
7-7:45 am	Refreshments (Oakes Foyer - 2nd Floor)						
745-8 AM	Opening Remarks (Oakes South - 2nd Floor)						
8-9AM	Keynote 1 (Oakes South - 2nd Floor)						
Tentative Rooms	Ontario	Haida	Cree	MicMac	Canadiana	Tuscarora	
09:10 - 10:25	ISPA07 Session FN-1A; Alg&App-I; Papers : 277; 289;'304	ISPA07 Session FN-1B; Arch&Sys-I; Papers: 178;222;266;	ISPA07 Session FN-1C; Networks- I; Papers: 116;190;227;	Workshop Session FN-1D; ParDMCom-I; Paper: 102;104;106;			
10:25 - 10:45	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
10:45 - 12:00	ISPA07 Session FN-2A; Alg&App-II; Papers :127;172;295	ISPA07 Session FN-2B; Arch&Sys-II; Papers: 185;229;267;	ISPA07 Session FN-2C; Networks- II; Papers: 163;245;249;	Workshop Session FN-2D; ParDMCom-II; Paper: 108;110;111;			
12:00 - 1:20	Lunch (Oakes North - 2nd Floor)						

1:20 - 3:00	ISPA07 Session AN- 3A; Alg&App- III; Papers: 109;112;209;28 1;	ISPA07 Session AN-3B; Arch&Sys-III; Papers: 189;268;302;	ISPA07 Session AN- 3C; Networks- III; Papers: 105;160;250;278;	Workshop Session AN-3D; ParDMCom-III; Paper: 112;114;115;			
3:00 - 3:20	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
3:20 - 5:00	ISPA07 Session AN- 4A; Alg&App- IV; Paper: 236;239;264;28 3;	ISPA07 Session AN-4B; Soft & Lang	ISPA07 Session AN- 4C; Networks- IV; Papers: 162;223;238;258;	Workshop Session AN-4D; ParDMCom-IV; Paper: 113;166;261;			
6:00 - 10:00	Reception - To be decided based on the budget (Oakes Foyer - 2nd Floor)						

Aug.30, 2007 (Thursday)							
7:30AM-6:00PM	Registration (Sheraton Fallsview Hotel - 2nd Floor)						
07:00-08:00	Refreshments (Oakes Foyer - 2nd Floor)						
08:00-09:00	Keynote 2 (Oakes South - 2nd Floor)						
09:10 - 10:25	ISPA07 Session FN-5A; Alg&App-V; Papers: 192;196;262;	ISPA07 Session FN-5B; FT&S-I; Papers: 154;168;182;	ISPA07 Session FN-5C; Networks- V; Papers: 265;274;280;	Workshop Session FN-5D; SGC07; Papers: 01;04;06;			
10:25 - 10:45	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
10:45 - 12:00	ISPA07 Session FN-6A	ISPA07 Session FN-6B; FT&S-II; Papers: 207;211;247;	ISPA07 Session FN-6C; Networks-VI; Papers: 107;275;284;	Workshop Session FN-6D			
12-120pm	Lunch (Oakes North - 2nd Floor)						
1:20 - 3:00	ISPA07 Session AN-7A; DD-I; Papers: 142;159;164;181;	ISPA07 Session AN-7B; FT&S-III; Papers: 114;246;272;287;	Workshop Session AN-7C; IST-AWSN-I; Papers: 05;06;11;12;	Workshop Session AN-7D; HiPCoMB; Papers: 100;101;103;104;			
3-3:20PM	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
3:20 - 5:00 PM	ISPA07 Session AN-8A; DD-II; Papers: 188;216;228;230;	ISPA07 Session AN-8B	Workshop Session AN-8C; IST-AWSN-II;Paper: 13;193;231;285;	Workshop Session AN-8D; SSDSN;Papers: 01;05;06;09;15;			
6-11 PM	Banquet(Oakes Foyer - 2nd Floor)						

Aug.31, 2007 (Friday)							
7AM-6PM	Registration (Sheraton Fallsview Hotel - 2nd Floor)						
7-8AM	Refreshments (Oakes Foyer - 2nd Floor)						
8-9AM	Keynote 3 (Oakes South - 2nd Floor)						
09:10 - 10:25	ISPA07 Session FN-9A Middleware- I; Papers: 174;180;220;	ISPA07 Session FN-9B; WISH-I; Papers: 01;12;15;	Workshop Session AN-9C; UPWN-I; Papers: 03;06;09;	Workshop Session FN-9D			
10:25 - 10:45	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
10:45 - 12:00	ISPA07 Session:FN-10A Middleware- II; Papers: 156;176;186;	ISPA07 Session:FN-10B; WISH-II; Papers: 17;18;21;	Workshop Session AN-10C; UPWN-II; Papers: 14;18;23;	Workshop Session:FN-10D			
12:00 - 13:20	Lunch (Oakes North - 2nd Floor)						
1:20 - 3:00	ISPA07 Session: AN-11A Middleware-III; Papers: 194;234;242;286;	ISPA07 Session:AN-11B; WISH-III; Papers: 31;38;57;59;	Workshop Session AN-11C; UPWN-II; Papers: 25;29;	Workshop Session:AN-11D			
3-320 pm	Coffee/Tea Break (Oakes Foyer - 2nd Floor)						
3:20 - 5:00	ISPA07 Session:AN-12A Middleware-IV; Papers: 150;219;240;273;301;	ISPA07 Session:AN-12B; WISH-IV; Papers: 61;62;64;	Workshop Session:AN-12C	Workshop Session:AN-12D			

Sessions Summary							
ISPA Sessions (total 23) (total papers 83)				Workshop Sessions (total 13) (total papers 52)			
Tracks (total papers in track)	Sessions	Tracks (total papers in track)	Sessions	Workshops (total papers)	Sessions	Workshops (total papers)	Sessions
Algorithms & Appl. (17) Aug.29; (Ontario)	FN-1A, AN-3A, FN-2A, AN-4A, FN-5A,	Architectures and Systems (9) Aug.29; (Haida)	FN-1B, FN-2B, FN-3B	WISH (13) Aug.31; (Haida)	FN-9B, FN-10B, AN-11B, AN-12B	UPWN (8) Aug.31; (Cree)	FN-9C, FN-10C, AN-11C
Middleware & Cooperative Computing (15) Aug.31; (Ontario)	FN-9A, FN-10A, AN-11A, AN-12A;	Databases and Datamining (8) Aug.30; (Ontario)	AN-7A, AN-8A	ParDMCom and FISCAL (12) Aug.29; (MicMac)	FN-1D, FN-2D, AN-3D, AN-4D	SSDSN (4) Aug.30; (MicMac)	AN-8D
Networks (20) - Aug.29 & 30; (Cree)	FN-1C, FN-2C, AN-3C, AN-4C, FN-5C, FN-6C	Software and Languages (4) Aug.29; (Haida)	AN-4B	IST-AWSN (8) Aug.30; (Cree)	AN-7C, AN-8C	HiPComb (4) Aug.30; (MicMac)	AN-7D
Fault Tolerance and Security (10) - Aug.30; (Haida)	FN-5B, FN-6B, AN-7B			SGC (3) Aug.30; (MicMac)	FN-5D		

Track	Session	Title	Paper 1	Paper 2	Paper 3	Paper 4
	FN-1A Aug.29,2007 Wednesday 905-1025AM <u>Ontario</u>	Graph Algorithms	277 - Techniques for Designing Efficient Parallel Graph Algorithms on SMPs, <u>Guojing Cong</u>, David Bader	289 - An incremental distributed algorithm for a partial Grundy coloring of graphs, Lyes DEKAR, Brice EFFANTIN, <u>Hamamache KHEDDOUCI</u>,	304 - Distributed Local 2-Connectivity Test of Graphs and Application, <u>Brahim hamid</u>, Bertrand le seac, Mohamed mosbah	
	FN-2A Aug.29,2007 Wednesday 1045AM-1200PM <u>Ontario</u>	Scientific Computing	127 - Architecture-Based Optimization for Mapping Scientific Applications to Imagine, <u>Jing Du</u>, Xuejun Yang, Guibin Wang, Tao Tang, Kun Zeng	172 - Implementation and Optimization of Sparse Matrix-Vector Multiplication on Imagine Stream Processor, <u>Li Wang</u>, Xue Jun Yang, Gui Bin Wang, Xiao Bo Yan, Yu Deng, Jing Du, Ying Zhang, Tao Tang, Kun Zeng	295 - Efficient Multidimensional Data Redistribution for Resizable Parallel Computations, <u>Rajesh Sudarsan</u>, Calvin J. Ribbens,	

Algorithms and Applications	<p>AN-3A Aug.29,2007 Wednesday 120-300PM <u>Ontario</u></p>	<p>Theory</p>	<p>109 - A self-stabilizing algorithm for 3-edge-connectivity, Saifullah Abusayeed, <u>Yung Tsin</u></p>	<p>112 - Number of Processors with Partitioning Strategy and EDF-Schedulability Test: Upper and Lower Bounds with Compariso, <u>Arezou Mohammadi</u>, Selim Akl</p>	<p>209 - Cellular ANTomata, <u>Arnold Rosenberg</u></p>	<p>281 - Distributed Memorization for the k-Vertex Cover Problem, <u>Peter Taillon</u></p>	
	<p>AN-4A Aug.29,2007 Wednesday 320-500PM <u>Ontario</u></p>	<p>Appications</p>	<p>236 - Key-attributes Based Optimistic Data Consistency Maintenance Method, <u>Jing Zhou</u>, Yije Wang, Sikun Li</p>	<p>239 - XCellR8: A Framework for Automatic Parallelization of Multimedia Applications on Cell Processor and Multi-Processor Architectures, <u>Tarik Saidani</u>, Staphane Piskorski, Lionel Lacassagne, Samir Bouaziz, Taj Muhammad Khan, Daniel Etienne,</p>	<p>264 - Optimizing distributed data access in Grid environments by using artificial intelligence techniques, <u>Rodrigo Mello</u>, J. Augusto Andrade Filho, Evgueni Dodonov, Renato PorfÃ-rio Ishii, Laurence Yang</p>	<p>283 - MADARP: A Distributed Agent-based System for On-Line DARP, <u>Claudio Cubillos</u>, Broderick Crawford, Nibaldo RodrÃguez</p>	

	<p>FN-5A Aug.30,2007 Thursday 905-1025AM <u>Ontario</u></p>	<p>Scheduling</p>	<p>196 - A Distributed Metaheuristic for Solving a Real-World Scheduling-Routing-Loading Problem, <u>Cruz Reyes Laura,</u> Gonzalez B. J. Javier, Romero Vargas David, Fraire H. H. Joaquin, Rangel V. Nelson, Herrera O. J. Arturo, Arranaga C. B. Abigail, Delgado O. J. Francisco</p>	<p>262 - RWA Algorithm for Scheduled Lightpath Demands in WDM Networks, <u>Sooyeon Park,</u> Jong S. Yang, Moonseong Kim, Young-Cheol Bang</p>	<p>192 - A Mutual Exclusion Algorithm for Mobile Agents-Based Applications, <u>Chun Cao,</u> Jiannong Cao, Xiaoxing Ma, Jian Lu</p>	
<p>Datamining</p>	<p>AN-7A Aug.30, 2007 Thursday 120-300PM <u>Ontario</u></p>	<p>Databases and Datamining I</p>	<p>142 - A Distributed Hebb Neural Network for Network Anomaly Detection, Daxin Tian, <u>Yanheng Liu,</u> Bin Li,</p>	<p>159 - The Processing of Global XQuery Query Based on Static Query Decom-position, Jong-Hyun Park, <u>Ji-Hoon Kang,</u></p>	<p>164 - Formal Verification and Performance Evaluation of User Query Pattern-based Relational Schema-to-XML Schema Translation Algorithm, <u>Jinhyung Kim,</u> Dongwon Jeong, Doo-Kwon Baik</p>	<p>181 - Adaptive Processing for Continuous Query over Data Stream, <u>Misook Bae,</u> Buhyun Hwang, Jiseung Nam</p>

Databases and	<p>AN-8A Aug.30, 2007 Thursday 320-500PM <u>Ontario</u></p>	<p>Databases and Datamining II</p>	<p>188 - Parallel Computation of Closed Itemsets and Asociation Rule Bases, Jean François Djoufak Kengue , <u>Petko Valtchev,</u> Clémentin Tayou Djamegni</p>	<p>216 - An Optimal Share Transfer Problem on Secret Sharing Storage Systems , <u>Toshiyuki Miyamoto,</u> Sadatoshi Kumagai</p>	<p>228 - Deadline and Throughput-aware Control for Request Processing Systems , <u>Pedro Furtado, Ricardo Antunes</u></p>	<p>230 - Cluster Recovery for Fault Tolerance of Spatial Database Cluster in Sensor Networks , <u>ByeongSeob You,</u> GyungBae Kim, HaeYoung Bae</p>	
		<p>FN-1B Aug.29,2007 Wednesday 905-1025AM <u>Haida</u></p>	<p>Architectures and Systems I</p>	<p>178 - Comparing Direct-to-Cache Transfer Policies to TCP/IP and M-VIA during Receive operations in MPI Environments , <u>Farshad Khunjush,</u> Nikitas Dimopoulos</p>	<p>222 - An SRP Target Mode to Improve Read Performance of SRP-based IB-SANs , Zhiying Jiang, Jin He, Jizhong Han, Xigui Wang, <u>Xubin He,</u> Yonghao Zhou</p>	<p>266 - Performance and Complexity Analysis of Credit-Based End-to-End Flow Control in Network-on-Chip , <u>Seongmin Noh,</u> Daehyun Kim, Vu-Duc Ngo, Hae-Wook Choi</p>	

Architectures and Systems	<p>FN-2B Aug.29,2007 Wednesday 1045AM-12PM <u>Haida</u></p>	<p>Architectures and Systems II</p>	<p>185 - <i>Virtual Distro Dispatcher - A costless distributed virtual environment from Trashware,</i> <u>Flavio Bertini</u>, Davide Lamanna, Roberto Baldoni</p>	<p>229 - <i>An FPGA design to achieve fast and accurate results for Molecular Dynamics simulations,</i> <u>Anu Bourgeois</u>, Feng Tan</p>	<p>267 - <i>An QoS Aware Mapping of Cores onto NoC Architectures,</i> <u>Huy Nam Nguyen</u>, Vu-Duc Ngo, Younghwan Bae, Hanji Cho, Hae-Wook Choi,</p>		
	<p>FN-3B Aug.29,2007 Wednesday 120-300PM <u>Haida</u></p>	<p>Architectures and Systems III</p>	<p>189 - <i>A Parallel Infrastructure on Dynamic EPIC SMT and its Speculation Optimization ,</i> <u>Qingying Deng</u>, Minxuan Zhang, Jiang Jiang,</p>	<p>268 - <i>Latency Optimization for NoC Design of H.264 Decoder Based on Self-Similar Traffic Modeling,</i> <u>Vu-Duc Ngo</u>, June-Young Chang, Younghwan Bae, Hanjin Cho, Hae-Wook Choi</p>	<p>302 - <i>Hardware Implementation of Common Protocol Interface for a Network-based Multiprocessor,</i> Arata Shinozaki, <u>Mitsunori Kubo</u>, Takayuki Nakatomi, Baoliu Ye, Minyi Guo</p>		
	<p>FN-5B Aug.30,2007 Thursday 910AM-1025PM <u>Haida</u></p>	<p>Security</p>	<p>154 - <i>Designing Scalable Self-Healing Key Distribution Schemes with Revocation Capability,</i> Ratna Dutta, <u>Sourav Mukhopadhyay</u></p>	<p>168 - <i>Key Predistribution using Partially Balanced Designs in Wireless Sensor Networks,</i> <u>Sushmita Ruj</u>, Bimal Roy</p>	<p>182 - <i>An Efficient ID-Based Authenticated Key Agreement Protocol with Pairings,</i> Jai-Boo Oh, Eun-Jun Yoon, Kee-Young Yoo</p>		

Fault Tolerance and Security	FN-6B Aug.30,2007 Thursday 1045AM- 1200PM <u>Haida</u>	Modeling	207 - Leveraging Many Simple Statistical Models to Adaptively Monitor Software Systems , <u>Mohammad Ahmad Munawar</u> , Paul A. S. Ward	211 - Binomial Graph: A Scalable and Fault-Tolerant Logical Network Topology , <u>Thara Angskun</u> , George Bosilca, Jack Dongarra	247 - Stochastic Communication Delay Analysis of Adaptive Wormhole-Switched Routings in Tori with Faults , Farshad Safaei, <u>Mahmood Fathy</u> , Ahmad Khonsari, Mohamed Ould-Khaoua		
	FN-7B Aug.30,2007 Thursday 120-300PM <u>Haida</u>	Fault Tolerance	114 - A Secure Energy-Efficient Routing Protocol for WSN , <u>Al-Sakib Khan Pathan</u> , Choong Seon Hong	246 - Eventually Perfect Failure Detectors using ADD Channels , <u>Srikanth Sastry</u> , Scott M. Pike	272 - An Efficient Fault-Tolerant Routing Methodology for Fat-tree Interconnection Networks , <u>Crispin Gomez</u> , Maria Engracia Gomez, Pedro Lopez, Jose Duato	287 - On the Optimality of Rollback-Recovery Protocol Preserving Session Guarantees , Jerzy Brzezinski, <u>Anna Kobusinska</u> , Jacek Kobusinski	
	FN-9A Aug.31, 2007 Friday 910- 1025AM <u>Ontario</u>	Grid Computing	174 - A Pro-middleware for Grids Computing , <u>Raihan Rasool</u> , Guo Qingping	180 - Performability Analysis of Grid Architecture Via Queueing Networks , <u>Yang Haijun</u> , Zheng Qinghua, Li Minqiang	220 - A Grid Resources Valuation Model Using Fuzzy Real Option , <u>David Allenator</u> , Ruppa Thulasiram		

Middleware and Cooperative Computing	FN-10A Aug.31, 2007 Friday 1045AM-12PM <u>Ontario</u>	Cooperative Computing	156 - Cooperative Grid Jobs Scheduling with Multi-objective Genetic Algorithm , <u>zeng bin</u> , wei jin, wang wei, wang pu	176 - On Formal MOM Modeling , Hanmei Cui, <u>Jessica Chen</u>	186 - An Effective Approach Based On Rough Set and Topic Cluster to Build Peer Communities , <u>Quanqing Xu</u> , Zhihuan Qiu, Yafei Dai, Xiaoming Li	
	FN-11A Aug.31, 2007 Friday 120- 300PM <u>Ontario</u>	Data Grids	194 - Evaluation on the UbiMDR Framework , <u>Jeong-Dong Kim</u> , Dongwon Jeong, Jinhjung Kim, Doo-Kwon Baik	234 - Enhancing Data Replication with Greedy Pipeline-based Aggressive Copy Protocol in Data Grids , <u>Reen-Cheng Wang</u> , Su-Ling Wu, Ruay-Shiung Chang	242 - An Enhanced Approach for PDA and Cellular Clients to Submit and Monitor Applications in the Mobile Grid , Vinicius Borges, Anubis Rossetto, Frank Knaesel, <u>Mario Dantas</u>	286 - Advanced Grid DataBase Management with the GReIC Data Access Service , Sandro Fiore, Alessandro Negro, <u>Salvatore Vadacca</u> , Massimo Cafaro, Maria Mirto, Giovanni Aloisio

	<p>FN-12A Aug.31, 2007 Friday 300- 530PM <u>Ontario</u></p>	<p>Distributed Computing</p>	<p>150 - A Replication Software Architecture(RSA) for supporting Irregular Applications on Wide-Area Distributed Computing Environments , <u>Jaechun No</u>, Chang Won Park, Sung Soon Park</p>	<p>219 - Distributing Fixed Time Slices in Heterogeneous Networks of Workstations (NOWs) , <u>Yassir Nawaz</u>, Guang Gong</p>	<p>240 - A Performance Comparison of the Contiguous Allocation Strategies in 3D Mesh Connected Multicomputers , <u>Saad Bani-Mohammad</u>, Mohamed Ould-Khaoua, Ismail Ababneh, Lewis Mackenzie</p>	<p>273 - GiPS: A Grid Portal for Executing Java Applications on Globus-based Grids , Yudit Cardinale, <u>Carlos Figueira</u></p>	<p>301 - A Generic Distributed Monitor Construct for Programming Process Synchronization in Distributed Systems , Jiannong Cao, <u>Miaomiao Wang</u>, Weigang Wu, Xianbing Wang, Stephen C.F. Chan</p>
	<p>FN-1C Aug.29,2007 Wednesday 910-1020AM <u>Cree</u></p>	<p>Routing</p>	<p>116 - Research of Hierarchy-Adaptive P2P Topology , <u>Xiaoming Zhang</u>, Yijie Wang, Zhoujun Li</p>	<p>190 - Effects of Mobility on Membership Estimation and Routing Services in Ad Hoc Networks , <u>Juan Carlos Garcia</u>, Mari Carmen Banuls, Stefan Beyer, Pablo Galdames</p>	<p>227 - Strategies for traffic grooming over logical topologies, <u>Arunita Jaekel</u>, <u>Ataul Bari</u>, Subir Bandyopadhyay</p>		

<p>FN-2C Aug.29, 2007 Wednesday 1045AM-12PM <u>Cree</u></p>	<p>Wireless Networks I</p>	<p>163 - Channel Assignment and Spatial Reuse Scheduling to Improve Throughput and Enhance Fairness in Wireless Mesh Networks , <u>Tran H. Nguyen</u>, <u>Choong Seon Hong</u></p>	<p>245 - Dynamic Handover Mechanism Using Mobile SCTP in Contention Based Wireless Network , <u>Lin- Huang Chang</u>, <u>Huan-Jie Lin</u>, <u>Ing-chau Chang</u></p>	<p>249 - A Clustering- based Channel Assignment Algorithm and Routing Metric for Multi-Channel Wireless Mesh Networks, Chao Liu, Zhongyi Liu, Yongqiang Liu, Huizhou Zhao, Tong Zhao, <u>Wei Yan</u></p>		
<p>AN-3C Aug.29, 2007 Wednesday 120-300PM <u>Cree</u></p>	<p>Mobile Networks</p>	<p>105 - Low Latency Vertical Handover using MIH L2- Trigger Algorithm in Mobile IP Networks , <u>Jin-Man Kim</u>, <u>Jong-Wook Jang</u></p>	<p>160 - Bandwidth Degradation Policy for Adaptive Multimedia Services in Mobile Cellular Networks, <u>Yide Zhang</u>, <u>Lemin Li</u>, <u>Gang Feng</u></p>	<p>250 - A Hierarchical Care- of Prefix with BUT Scheme for Nested Mobile Networks , <u>Ing-Chau Chang</u>, <u>Chia-Hao Chou</u>, <u>Lin-Huang Chang</u></p>	<p>278 - Qos Provisioning in Mobile Networks based on Aggregate Bandwidth Reservation , <u>Kelvin L. Dias</u>, <u>Stenio F. L. Fernandes</u>, <u>Djamel F. H. Sadok</u></p>	

Networks	<p>AN-4C Aug.29, 2007 Wednesday 320-500PM <u>Cree</u></p>	Networks	<p>162 - On the System Performance vs. User Movement with Systematic Simulation in Mobile Cellular Networks , <u>Yide Zhang</u>, Lemin Li, Gang Feng</p>	<p>223 - Hamiltonicity and Pancyclicity of Binary Recursive Networks , <u>Yun Sun</u>, Zhoujun Li, Deqiang Wang</p>	<p>238 - Implementing IPv4+4 Addressing Architecture with IPv4 LSRR Option for Seamless Peer-to-Peer (P2P) Communication , <u>Cihan Topal</u>, Cuneyt Akinlar</p>	<p>258 - Some Properties of WK-Recursive and Swapped Networks , Navid Imani, <u>Hamid Sarbazi-Azad</u>, Albert Zomaya</p>
	<p>FN-5C Aug.30,2007 Thursday 910-1025AM <u>Cree</u></p>	Performance	<p>265 - Design and Analysis of Multicast Communication for Multidimensional Mesh Network , <u>Ahmed Al-Dubai</u>, Mohamed Ould-Khaoua, Imed Romdhani</p>	<p>274 - Zone based Data Aggregation Scheduling Scheme for Maximizing Network Lifetime , <u>Sangbin Lee</u>, Kyuho Han, Kyungsoo Lim, Jinwook Lee, Sunshin An</p>	<p>280 - A Network Performance Sensitivity Metric for Parallel Applications, <u>Jeffrey Evans</u>, Cynthia Hood</p>	

	<p>FN-6C Aug.30, 2007 Thursday 1045AM-12PM <u>Cree</u></p>	<p>Wireless Networks II</p>	<p>107 - SPACC: A Simple Positioning and Coverage Control Solution for Wireless Sensor Networks, Mohsen Sharifi, Ehsan Farzad</p>	<p>275 - A Robust Scalable Cluster-Based Multihop Routing Protocol for Wireless Sensor Networks, Sudha Mudundi, <u>Hesham Ali</u></p>	<p>284 - The Influence of Interference Networks in QoS Parameters in a WLAN 802.11g Environment, <u>Jasmine P. L. Araujo</u>, J.C. Rodrigues, S.G.C. Fraiha, F.M. Lamarao, N. L. Vijaykumar, G.P.S. Cavalcante, C.R. I. Frances</p>	
<p>Software and Languages</p>	<p>AN-4B Aug.29,2007 Wednesday 320-500PM <u>Haida</u></p>	<p>Software and Languages</p>	<p>146 - Instruction Selection for Subword Level Parallelism Optimizations for Application Specific Instruction Processors, <u>Miao Wang</u>, Guiming Wu, Zhiying Wang</p>	<p>153 - High Performance 3D Convolution for Protein Docking on IBM Blue Gene, <u>Akira Nukada</u>, Yuichiro Hourai, Akira Nishida, Yutaka Akiyama</p>	<p>206 - KSEQ: a new scalable synchronous I/O multiplexing mechanism for event-driven applications, <u>Hongtao Xia</u>, Jingli Zhou, Jifeng Yu, weiping Sun, yunhua huang</p>	<p>305 - A Synchronous Mode MPI Implementation on the Cell BE™ Architecture, Murali Krishna, Arun Kumar, Naresh Jayam, Ganapathy Senthilkumar, Pallav Baruah, Raghunath Sharma, Shakti Kapoor, <u>Ashok Srinivasan</u></p>

WORKSHOPS							
Track	Session	Title	Paper 1	Paper 2	Paper 3	Paper 4	Paper 5
Security and Survivability in Distributed Sensor Networks (SSDSN)	AN-8D Aug.30,2007 Thursday 320-530PM <u>MicMac</u>	Sensor Networks	SSDSN-01- To Increase Survivability with Software Rejuvenation by Having Dual Base Station in WSN Environmen, <u>Jong Sou Park</u>	SSDSN-05-DoS Attack Mining in Sensor Node Replacemen, Hnin Yu Shwe, <u>Bong Jae Lee</u>	SSDSN-06- Secure Cluster Header Election Techniques in Sensor Networ, Pungho Lee, Jimmook Kim, Insung Han, <u>Hwangbin Ryou,</u> Woo Hyun Ahn	SSDSN-09-A Secure Data Aggregation Scheme for Wireless Sensor Networks, <u>Shu Qin Ren,</u> Dong Seong Kim, Jong Sou Par	SSDSN-15 - A Key Revocation Scheme for Mobile Sensor Networks, <u>Dong Seong Kim,</u> Mohammed Golam Sadi, Jong Sou Park
Workshops (UPWN)	AN-9C Aug.31,2007 Friday 910-1020AM Cree	UPWN - I	UPWN-03- Adaptive Binding Update Schemes in NEMO, <u>Sun Ok Yang,</u> SungSuk Kim	UPWN-06- An Information Aggregation Scheme of Multi-node in Ubiquitous Sensor Networks, <u>Haeryong Park,</u> Seongan Lim, Ikkwon Yie, Hyun Kim, Kilsoo Chun, Jaeil Lee	UPWN-09- QLP-LBS: Quantization and Location Prediction-based LBS for Reduction of Location Update Costs, In Kee Kim, Sung Ho Jang, <u>Jong Sik Lee</u>		

Ubiquitous Processing for Wireless Netw	<p>AN-10C Aug.31,2007 Friday 1045-12PM <u>Cree</u></p>	<p>UPWN - II</p>	<p>UPWN-14- <i>Positioning System in Taipei Children's Museum of Transportation and Communication</i>, Chi-Hsiang Chou, <u>Ming-Hui Jin</u>, Chi-Chung Chen, Cheng-Yan Kao</p>	<p>UPWN-18- <i>Portable Patient Information Integration System for Patient Safety Improvement</i>, <u>Tu-Bin Chu</u>, Ming-Hui Jin, Li-Xin Xu, Jong-Tsong Chiang, Cheng-Yan Kao</p>	<p>UPWN-23 - <i>Secure Session Management Mechanism in VoIP Service</i>, <u>Insu Kim</u>, Keecheon Kim</p>		
	<p>AN-11C Aug.31,2007 Friday 120-300PM <u>Cree</u></p>	<p>UPWN - III</p>	<p>UPWN-25-<i>An Effective Local Repair Scheme Using Candidate Node and Hello Message in AODV</i>, <u>Sangmin Lee</u>, Keecheon Kim</p>	<p>UPWN-29-A <i>Frame-Based Selective Encryption Method for Real Time Video Transmission on VoIP</i>, <u>Kwangmo Yang</u>, Keecheon Kim</p>			
	<p>FN-9B Aug.31,2007 Friday 910-1020AM <u>Haida</u></p>	<p>WISH07-I</p>	<p>WISH-01- <i>ECG Anomaly Detection via Time Series Analysis</i> <u>Mooi Choo Chuah</u>, F. Fu</p>	<p>WISH-12- <i>Semantics-Based Event-Driven Web News Classification</i>, <u>Wei Hu</u>, Huan-ye Sheng</p>	<p>WISH-15-A <i>Study on Application of Cyber Shopping Service with Utilization of Context awareness in Smart Home Environment</i>, Jae-gu Song, <u>Seoksoo Kim</u></p>		

Intelligent Systems and Smart Home (WISH)	<p>FN-10B Aug.31,2007 Friday 1045M-12PM <u>Haida</u></p>	<p>WISH07-II</p>	<p>WISH-17 A <i>Transparent Protocol Scheme based on UPnP AV for Ubiquitous Home,</i> <u>Jiyun Park,</u> Hyunju Lee, Sangwook Kim</p>	<p>WISH-18- <i>Learning Fuzzy Concept Hierarchy and Measurement with Node Labeling,</i> <u>Been-Chian Chien,</u> Chih-Hung Hu, Ming-Yi Ju</p>	<p>WISH-21- <i>Prepositions and Conjunctions in a Natural Language Interfaces to Databases,</i> <u>J. Javier Gonzalez B.,</u> Rodolfo A. Pazos R., Alexander Gelbukh, Grigori Sidorov, Hector Fraire H., I. Cristina Cruz C.</p>		
	<p>AN-11B Aug.31,2007 Friday 120-300PM <u>Haida</u></p>	<p>WISH07-III</p>	<p>WISH-31-<i>Zigbee Positioning System for Smart Home Application,</i> <u>Ming-Hui Jin ,</u> Chih-Hao Yu, Hung-Ren Lai, Ming-Whei Feng</p>	<p>WISH-38- <i>Solving Unbounded Knapsack Problem Using an Adaptive Genetic Algorithm with Elitism Strategy,</i> <u>Rung-Ching Chen,</u> Cheng-Huei Jian</p>	<p>WISH-57- <i>Automatic Lexico-Semantic Frames Acquisition from Syntactic Parsed Tree by Using Clustering and Combining Techniques,</i> <u>Chaloemphon Sirikayon,</u> Asanee Kawtrakul</p>	<p>WISH-59- <i>Intelligent Home Network Authentication: S/Key-Based Home Device Authentication,</i> <u>Deok-Gyu Lee,</u> Ilsun You, Sang-Choon Kim, Yun-kyung Lee, Jong-wook Han, Kyo-il Chung</p>	

	<p>AN-12B Aug.31,2007 Friday 320- 500PM <u>Haida</u></p>	<p>WISH07-IV</p>	<p>WISH-61-GA Based <i>Optimal Keyword Extraction in an Automatic Chinese Web Document Classi cation System,</i> <u>Chih-Hsun Chou,</u> Chin-Chuan Han, Ya-Hui Chen</p>	<p>WISH-62-Design and Implementation of Context-aware Security Management System for Ubiquitous Computing Environment Seon-Ho Park, <u>Joon-Sic Cho,</u> Young-Ju Han, Tai-Myoung Chung</p>	<p>WISH-64-<i>Forward Secure Privacy Protection Scheme for RFID System using Advanced Encryption Standard,</i> <u>Sang-Soo Yeo,</u> Kouichi Sakurai, SungEon Cho, KiSung Yang, Sung Kwon Ki</p>		
<p>Sematic and Grid Computing (SGC)</p>	<p>FN-5D Aug.29,2007 Wednesday 910-1020AM <u>MicMac</u></p>	<p>Sematic Grid</p>	<p>SGC-01-<i>Polygon- based Similarity Aggregation for Ontology Matching,</i> <u>Feiyu Lin,</u> Kurt Sandkuhl</p>	<p>SGC-04-<i>A User- Controlled VoiceXML Application Based on Dynamic Voice Anchor and Node,</i> <u>Hyeong-Joon Kwon,</u> Kwang-</p>	<p>SGC-06-<i>Grid Computing in New York State, USA,</i> Jonathan J. Bednasz, Steven M. Gallo, <u>Russ Miller,</u> Catherine L. Ruby, Charles M. Weeks</p>		

ed Multimedia Computing (ParDMCoM)	<p>FN-1D Aug.29,2007 Wednesday 910-1020AM <u>MicMac</u></p>	<p>Multimedia Computing I</p>	<p>ParDMCom-102-A <i>Data Allocation Method for Efficient Content-Based Retrieval in Parallel Multimedia Databases</i>, Jorge R. Manjarrez-Sanchez, Jos Martinez, Patrick Valduriez (<u>Laura Cruz Reyes</u>)</p>	<p>ParDMCom-104- <i>Optimization of VoD Streaming Scheduling for IPTV Multi-channel Support</i>, <u>Lin-Huang Chang</u>, Ming-Yi Liao, Yung-Fa Huang, Yu-Lung Lo</p>	<p>ParDMCom-106- <i>Continuous Kernel-based Outlier Detection over Distributed Data Streams</i>, <u>Liang Su</u>, Weihong Han, Peng Zou, Yan Jia</p>		
	<p>FN-2D Aug.29,2007 Wednesday 1045AM-12PM <u>MicMac</u></p>	<p>Multimedia Computing II</p>	<p>ParDMCom-108-A <i>Resource Discovery and Allocation Mechanism in Large Computational Grids for Media Applications</i>, <u>Chun-Fu Lin</u>, <u>Ruay-Shiung Chang</u></p>	<p>ParDMCom-110- <i>Impact of Dynamic Growing on the Internet Degree Distribution</i>, Rogelio Ortega Izaguirre, Eustorgio Meza Conde, <u>Claudia Gomez Santilln</u>, Laura Cruz Reyes, Tania Turrubiates Lpez</p>	<p>ParDMCom-111- <i>Simulation-Based Evaluation of Distributed Mesh Allocation Algorithms</i>, <u>Leszek Koszalka</u></p>		

Parallel and Distributed	FN-3D Aug.29,2007 Wednesday 120-300PM <u>MicMac</u>	Multimedia Computing III	ParDMCom-112-A <i>new Method for Describing the Syntax and Semantics of VIEWCHARTS,</i> Ayaz Isazadeh, Jaber Karimpour, Hosein Isazadeh	ParDMCom-114- <i>Distributed Multi-Source Regular Path Queries,</i> Maryam Shoaran, <u>Alex Thomo</u>	ParDMCom-115- <i>Parallel Matrix Multiplication Based on Dynamic SMP Clusters in SoC Technology,</i> <u>Marek Tudruj,</u> Lukasz Masko		
	FN-4D Aug.29,2007 Wednesday 320-500PM <u>MicMac</u>	Multimedia Computing III	ParDMCom-113-A <i>new formalism for Describing Concurrent Systems,</i> Ayaz Isazadeh, Jaber Karimpour, <u>Hosein Isazadeh</u>	ParDMCom-(FISCAL-166)- <i>Multi-Agent Design of Urban Oriented Traffic Integration Control System,</i> <u>Feizhou Zhang,</u> Dongkai Yang, Xuejun Cao, Jia Chen	ParDMCom-(FISCAL-261)- <i>Register File Management and Compiler Optimization on EDSMT,</i> <u>Qingying Deng,</u> Minxuan Zhang, Jiang Jiang		

<p style="text-align: center;">HPC in Medicine and Biology (HiPCoMB)</p>	<p style="text-align: center;">AN-7D Aug.30,2007 Thursday 120- 300PM <u>MicMac</u></p>	<p style="text-align: center;">Bio-Medical HPC</p>	<p>HiPCoMB-100- <i>Services, Standards, and Technologies for High Performance Computational Proteomics,</i> <u>Mario Cannataro,</u> Pierangelo Veltri</p>	<p>HiPCoMB-101- <i>High Throughput Protein Similarity Searches in the LIBI Grid Problem Solving Environment,</i> <u>Maria Mirto,</u> Ivan Rossi, Italo Epicoco, Sandro Fiore, Piero Fariselli, Rita Casadio, Giovanni Aloisio</p>	<p>HiPCoMB-103- <i>Grid & Distributed Public Computing Schemes for Structural Proteomics: A Short Overview,</i> <u>Azhar Ali Shah,</u> Daniel Barthel, Natalio Krasnogor</p>	<p>HiPCoMB-104- <i>Distributed Processing of Clinical Practice Data in Grid Environment for Pharmacotherapy Personalization and Evidence-Based Pharmacology,</i> <u>Alexey Zhuchkov,</u> Nikolay Tverdokhlebov, Boris Alperovich, Alexander</p>	
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Intelligent Systems Techniques for Ad hoc and Wireless Sensor Networks (IST-AWSN)	<p>AN-7C Aug.30,2007 Thursday 120-300PM <u>Cree</u></p>	<p>IST-AWSN-I</p>	<p>IST-AWSN-05-Fault Tolerance of Connectivity Performance in CDMA-Based Wireless Sensor Networks, Yung-Fa Huang, <u>Ching-Mu Chen,</u> Tsair-Rong Chen, Jong-Shin Chen, John Sum</p>	<p>IST-AWSN-06-Lifetime Performance of an Energy Efficient Clustering Algorithm for Cluster-Based Wireless Sensor Networks, Yung-Fa Huang, Wun-He Luo, John Sum, Lin-Huang Chang, Chih-Wei Chang, Rung-Ching Chen</p>	<p>IST-AWSN-11-Balancing Energy Dissipation in Clustered Wireless Sensor Networks, Nauman Aslam, <u>William Phillips,</u> William Robertson, Shyamala C. Sivakumar</p>	<p>IST-AWSN-12-Dynamic Key Management Schemes for Secure Group Communication Based on Hierarchical Clustering in Mobile Ad Hoc Networks, <u>Woei-Jiunn Tsaur,</u> Haw-Tyng Pai</p>	
	<p>AN-8C Aug.30,2007 Thursday 320-500PM <u>Cree</u></p>	<p>IST-AWSN-II</p>	<p>IST-AWSN-13-Privacy Preserving Monitoring and Surveillance in Sensor Networks, <u>Vladimir A. Oleshchuk</u></p>	<p>IST-AWSN-193-A Distributed Clustering Algorithm for Fault-Tolerant Event Region Detection in Wireless Sensor Networks, <u>Ali Abbasi,</u> Euhanna Ghadimi, Ahmad khonsari, Naser Yazdani, Mohamed Ould-Khaoua</p>	<p>IST-AWSN-231-Optimal Multicast Multichannel Routing in Computer Networks, <u>Mohsen Heydarian, Ayaz Isazadeh,</u> <u>Hosein Isazadeh</u></p>	<p>IST-AWSN-285-A Secure On-Demand Source Routing Scheme Using Hierarchical Clustering in Mobile Ad Hoc Networks, Woei-Jiunn Tsaur, <u>Haw-Tyng Pai</u></p>	