

**PROCEEDINGS OF  
THE 2013 INTERNATIONAL CONFERENCE ON  
PARALLEL AND DISTRIBUTED PROCESSING TECHNIQUES AND  
APPLICATIONS**

**PDPTA 2013**

**Volume II**

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***WORLD COMP'13***

July 22-25, 2013

Las Vegas Nevada, USA

[www.world-academy-of-science.org](http://www.world-academy-of-science.org)

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ISBN: 1-60132-256-9, 1-60132-257-7 (1-60132-258-5)  
Printed in the United States of America

CSREA Press  
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# Foreword

It gives us great pleasure to introduce this collection of papers to be presented at the 2013 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'13), July 22 through 25, 2013, at The New Tropicana Hotel, Las Vegas, USA.

An important mission of the World Congress in Computer Science, Computer Engineering, and Applied Computing (a federated congress to which this conference is affiliated with) includes *"Providing a unique platform for a diverse community of constituents composed of scholars, researchers, developers, educators, and practitioners. The Congress makes concerted effort to reach out to participants affiliated with diverse entities (such as: universities, institutions, corporations, government agencies, and research centers/labs) from all over the world. The congress also attempts to connect participants from institutions that have **teaching** as their main mission with those who are affiliated with institutions that have **research** as their main mission. The congress uses a quota system to achieve its institution and geography diversity objectives."* By any definition of diversity, this congress is among the most diverse scientific meeting in USA. We are proud to report that this federated congress has authors and participants from 82 different nations representing variety of personal and scientific experiences that arise from differences in culture and values. As can be seen (see below), the program committee of this conference as well as the program committee of all other tracks of the federated congress are as diverse as its authors and participants.

The program committee would like to thank all those who submitted papers for consideration. About 52% of the submissions were from outside the United States. Each submitted paper was peer-reviewed by two experts in the field for originality, significance, clarity, impact, and soundness. In cases of contradictory recommendations, a member of the conference program committee was charged to make the final decision; often, this involved seeking help from additional referees. In addition, papers whose authors included a member of the conference program committee were evaluated using the double-blinded review process. One exception to the above evaluation process was for papers that were submitted directly to chairs/organizers of pre-approved sessions/workshops; in these cases, the chairs/organizers were responsible for the evaluation of such submissions. The overall paper acceptance rate for regular papers was 29%; 8% of the remaining papers were accepted as poster papers (at the time of this writing, we had not yet received the acceptance rate for a few individual tracks.)

We are very grateful to the many colleagues who offered their services in organizing the conference. In particular, we would like to thank the members of the Program Committee of PDPTA'13, members of the congress Steering Committee, and members of the committees of federated congress tracks that have topics within the scope of PDPTA. Many individuals listed below, will be requested after the conference to provide their expertise and services for selecting papers for publication (extended versions) in journal special issues as well as for publication in a set of research books (to be prepared for publishers including: Springer, Elsevier, BMC, and others).

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We express our gratitude to keynote, invited, and individual conference/tracks and tutorial speakers - the list of speakers appears on the conference web site. We would also like to thank the followings: UCMSS (Universal Conference Management Systems & Support, California, USA) for managing all aspects of the conference; Dr. Tim Field of APC for managing the printing of the proceedings; and the staff of the New Tropicana Hotel in Las Vegas for the professional service they provided. Last but not least, we would like to thank the Co-Editors and Associate Co-Editors of PDPTA'13: Prof. Hamid R. Arabnia, Dr. George A. Gravvanis, Prof. Hiroshi Ishii, Prof. Minoru Ito, Prof. George Jandieri, Prof. Kazuki Joe, Prof. Hiroaki Nishikawa, Ashu M. G. Solo, and Prof. Fernando G. Tinetti.

We present the proceedings of PDPTA'13.

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# Contents

## **SESSION: RESOURCE ALLOCATION, SCHEDULING, ENERGY-AWARE COMPUTING + LOAD-BALANCING + FAULT-TOLERANT SYSTEMS**

- A Machine-by-Machine Analysis of a Bi-Objective Resource Allocation Problem** 3  
*Ryan Friese, Tyler Brinks, Curt Oliver, Anthony A. Maciejewski, Howard Jay Siegel, Sudeep Pasricha*
- A Load Balancing Schema for Agent-based SPMD Applications** 10  
*Claudio Marquez, Eduardo Cesar, Joan Sorribes*
- Towards an Operating System Based Framework for Energy-Efficient Scheduling of Parallel Workloads** 17  
*Shwetha Shankar, Dan Tamir, Apan Qasem*
- A Fault-Tolerant Approach to Distributed Applications** 23  
*Toan Nguyen, Jean-Antoine Desideri, Laurentiu Trifan*
- Two-Phase Atomic Commitment Protocol in Asynchronous Distributed Systems with Crash Failure** 30  
*Young-Hwan Cho, Sung-Hoon Park, Seon-Hyong Lee*
- Load Balancing in Heterogeneous Distributed Computing Systems Using Approximation Algorithm** 36  
*Bibhudatta Sahoo, Sanjay Kumar Jena, Sudipta Mahapatra*

## **SESSION: PARALLEL AND DISTRIBUTED ALGORITHMS AND APPLICATIONS**

- Parallel Algorithms for Hybrid Multi-core CPU-GPU Implementations of Component Labelling in Critical Phase Models** 45  
*Ken A. Hawick, Daniel P. Playne*
- Parallel Asynchronous Modelization and Execution of Cholesky Algorithm using Petri Nets** 52  
*Gustavo Wolfmann, Armando De Giusti*
- Parallel Implementation of GRAPH Aligner (GRAAL) Algorithm for Network Alignment** 59  
*Si Li, Shengai Jin, Jonathan Z Sun, Chaoyang Zhang*
- A Massively Parallel Line Simplification Algorithm Implemented Using Chapel** 64  
*Michael Scherger, Huy Tran*

<b>A Parallel Ford-Fulkerson Algorithm For Maximum Flow Problem</b>	<b>71</b>
<i>Zhipeng Jiang, Xiaodong Hu, Suixiang Gao</i>	
<b>Model Checking Prioritized Token-Based Mutual Exclusion Algorithms</b>	<b>75</b>
<i>Mitchell L. Neilsen</i>	
<b>A Parallel Implementation of the Modus Ponens Inference Rule in a DNA Strand Displacement System</b>	<b>82</b>
<i>Jack Horner</i>	
<b>Hadoop-Collaborative Caching in Real Time HDFS</b>	<b>89</b>
<i>Meenakshi Shrivastava, Hans-Peter Bischof</i>	
<b>Stochastic Assessment of Voltage Sags by Applying a Parallelized Method</b>	<b>96</b>
<i>Carlos Ceja-Espinosa, Antonio Ramos-Paz, Elisa Espinosa-Juarez</i>	
<b>Large scale 3D shape retrieval by exploiting multi-core and GPU</b>	<b>102</b>
<i>Mohammed Benjelloun, El Wardani Dadi, El Mostafa Daoudi</i>	
<b>Multi Sensor Data Fusion, Methods and Problems</b>	<b>106</b>
<i>Rawa Adla, Youssef Bazzi, Nizar Al-Holou</i>	
<b>Lighting Control Algorithm Using Linear Programming for An Intelligent Lighting System and Dealing with Disturbance Using Kalman Filter</b>	<b>112</b>
<i>Mitsunori Miki, Hisanori Ikegami, Yohei Azuma, Yuki Sakakibara, Yo Motoya</i>	
<b>Issues in Building Parallel Multimedia Systems: A Survey</b>	<b>119</b>
<i>SeongKi Kim, SangYong Han</i>	
<b>From Sequence of Tumor Liberated Protein (TLP) to Function and Potential Targets for Diagnosis and Therapy</b>	<b>125</b>
<i>Giulio Tarro</i>	
<b>SESSION: WORKSHOP: MATHEMATICAL MODELING AND PROBLEM SOLVING - MPS</b>	
<b>Inferring Strengths of Protein-Protein Interactions Using Support Vector Regression</b>	<b>131</b>
<i>Yusuke Sakuma, Mayumi Kamada, Morihiko Hayashida, Tatsuya Akutsu</i>	
<b>Mining Infrequent Patterns of Two Frequent Substrings from a Single Set of Biological Sequences</b>	<b>136</b>
<i>Daisuke Ikeda</i>	
<b>SDBP: An Easy-to-use R Program Package for Assessing Reliability of Estimated Phylogenetic Trees Based on the Speedy Double Bootstrap Method</b>	<b>143</b>
<i>Aizhen Ren, Takashi Ishida, Yutaka Akiyama</i>	



<b>Acceleration of Tandem Mass Spectrometry Analysis Software CoCoozo using Multi-core CPUs and Graphics Processing Units</b>	<b>149</b>
<i>Yasufumi Obata, Takashi Ishida, Tohru Natsume, Yutaka Akiyama</i>	
<b>A Case Study of Calculation of Source Code Module Importance</b>	<b>155</b>
<i>Takaaki Goto, Setsuo Yamada, Tetsuro Nishino, Kensei Tsuchida</i>	
<b>Implementation of the Orthogonal QD Algorithm for Lower Tridiagonal Matrices</b>	<b>161</b>
<i>Sho Araki, Hiroki Tanaka, Kinji Kimura, Yoshimasa Nakamura</i>	
<b>Improved Computation of Bounds for Positive Roots of Polynomials</b>	<b>168</b>
<i>Masami Takata, Takuto Akiyama, Sho Araki, Kinji Kimura, Yoshimasa Nakamura</i>	
<b>Latent Feature Independent Cascade Model for Social Propagation</b>	<b>175</b>
<i>Yuya Yoshikawa, Tomoharu Iwata, Hiroshi Sawada</i>	
<b>Decidability of k-Secrecy Against Inference Attacks Using Functional Dependencies on XML Databases</b>	<b>182</b>
<i>Nobuaki Yamazoe, Kenji Hashimoto, Yasunori Ishihara, Toru Fujiwara</i>	
<b>Implementation of Multiple Classifier System on MapReduce Framework for Intrusion Detection</b>	<b>189</b>
<i>Masataka Mizukoshi, Bando Shintaro, Martin Schlueter, Masaharu Munetomo Munetomo</i>	
<b>A Change of Order Balance Implies Intraday Price Trend in Japanese Stock Market</b>	<b>195</b>
<i>Hiwon Yoon</i>	
<b>Poisson Observed Image Restoration using a Latent Variational Approximation with Gaussian MRF</b>	<b>201</b>
<i>Hayaru Shouno, Masato Okada</i>	
<b>SESSION: GRID + CLOUD COMPUTING AND SUPPORTING TOOLS + APPLICATIONS</b>	
<b>Configuration Challenges when Migrating Applications to a Cloud: The JEE use Case</b>	<b>209</b>
<i>Alain Tchana, Noel De Palma, Xavier Etchevers, Daniel Hagimont</i>	
<b>Globus XIO Compression Driver: Enabling On-the-fly Compression in GridFTP</b>	<b>216</b>
<i>Mattias Lidman, John Bresnahan, Rajkumar Kettimuthu</i>	

<b>Cost-effective Cloud Services for HPC in the Cloud: The IaaS or The HaaS?</b>	<b>223</b>
<i>Ifeanyi P. Egwutuoha, Shiping Chen, David Levy, Rafael Calvo</i>	
<b>A Chord-based Architecture for Efficient Dynamic Service Provisioning over Distributed Resources</b>	<b>229</b>
<i>Dibyanshu Jaiswal, Sujoy Mistry, Arijit Mukherjee, Nandini Mukherjee</i>	
<b>A Hybrid Algorithm Based on Genetic Algorithm and Simplex Method for QoS-aware Cloud Service Selection</b>	<b>236</b>
<i>Chengwen Zhang, Jiali Bian, Bo Cheng, Lei Zhang</i>	
<b>Open Source Cloud Computing: Characteristics and an Overview</b>	<b>243</b>
<i>Naylor Bachiega, Henrique Martins, Roberta Spolon, Marcos Antonio Cavenaghi, Renata Lobato, Aleardo Manacero</i>	
<b>SESSION: SYSTEMS SOFTWARE + PROGRAMMING MODELS + THREADS + CACHING + FILE SYSTEMS + TESTING AND MONITORING METHODS</b>	
<b>Write Buffer Sharing Control in SMT Processors</b>	<b>251</b>
<i>Yilin Zhang, Wei-Ming Lin</i>	
<b>A Flexible and Adaptable Distributed File System</b>	<b>258</b>
<i>Silas Evandro Nachif Fernandes, Renata Spolon Lobato, Aleardo Manacero, Roberta Spolon, Marcos Antonio Cavenaghi</i>	
<b>Optimizing the Use of the Hard Disk in MapReduce Frameworks for Multi-core Architectures</b>	<b>264</b>
<i>Tharso Ferreira, Antonio Espinosa, Juan Carlos Moure, Pofidio Hernandez</i>	
<b>Application Characteristics of Many-tasking Execution Models</b>	<b>271</b>
<i>Timur Gilmanov, Matthew Anderson, Maciej Brodowicz, Thomas Sterling</i>	
<b>Virtual Processor Frequency Emulation</b>	<b>278</b>
<i>Christine Mayap, Daniel Hagimont</i>	
<b>Action, Objects, and Subjects</b>	<b>285</b>
<i>Hannu-Matti Jarvinen</i>	
<b>Efficient Replacement Policy for Sub-Block Cache Architectures</b>	<b>292</b>
<i>Oluleye Olorode, Mehrdad Nourani</i>	
<b>Locality Analysis for Characterizing Applications Based on Sparse Matrices</b>	<b>299</b>
<i>Noboru Tanabe, Sonoko Tomimori, Masami Takata, Kazuki Joe</i>	

**Design and Implementation of an In-Network Cache Coherence Protocol** 306  
*Christian Bernard, Huy-Nam Nguyen, Eric Guthmuller, Yves Durand*

**A Visualization System and Monitoring Tool to Measure Concurrency in MPICH Programs** 313  
*Michael Scherger, Zakir Hussain Syed*

**Runtime Support for Dynamic Skeletons Implementation** 320  
*Javier Fresno, Arturo Gonzalez-Escribano, Diego R. Llanos*

**Fully Automatic Parallel Programming** 327  
*Bryant Nelson, Nelson Rushton*

**An Efficient Mixed-Mode BIST Scheme for Test-Per-Clock Testing** 330  
*Tieqiao Liu, Jishun Kuang, Shuo Cai, Yinbo Zhou, Zhiqiang You*

**SESSION: PERFORMANCE EVALUATION, ESTIMATION, AND RELATED ISSUES**

**Tuning Master/Worker Applications: A Practical Use Case with MATE** 337  
*Andrea Martinez, Anna Sikora, Eduardo Cesar, Joan Sorribes*

**Performance Model for the Impact of Hardware Characteristics in Accelerated Processing Units** 343  
*Mario Alberto Chapa Martell, Hiroyuki Sato*

**A Framework to write Performability-Aware SPMD Applications** 350  
*Hugo Meyer, Ronal Muresano, Dolores Rexachs, Emilio Luque*

**SuperViewer: An Interactive Visual Interface to Explore the Top500 List** 357  
*Leonidas Deligiannidis, Erik Noyes, Hamid Arabnia*

**Performance Model for Master/Worker hybrid Applications** 365  
*Abel Castellanos, Andreu Moreno, Tomas Margalef*

**SESSION: COMMUNICATION SYSTEMS + NETWORKS AND INTERCONNECTION NETWORKS + PEER-TO-PEER NETWORKS AD-HOC NETWORKS + SENSOR NETWORKS AND APPLICATIONS**

**Real-Time Radio Wave Propagation for Mobile Ad-Hoc Network Emulating using GPGPUs** 375  
*Brian Henz, David Richie, Evens Jean, Song Park, James Ross, Dale Shires*

**A Stochastic Fault-tolerant Routing Algorithm in Hyper-star Graphs** 382  
*Yo Nishiyama, Yuki Hirai, Keiichi Kaneko*

<b>Parallel Routing In Exchanged Hypercubes</b>	<b>389</b>
<i>Tsung-Han Tsai, Y-Chuang Chen, Jimmy J.M. Tan</i>	
<b>Swarm Architecture Toward P2P VoD without Playback Suspension</b>	<b>397</b>
<i>Yasuaki Yuji, Satoshi Fujita</i>	
<b>MCM Based Cluster Algorism for Ocean Sensor Networks</b>	<b>404</b>
<i>Hwanghyuk Lee, Sang-Eon Park, Young-Jun Chung</i>	
<b>A Point-Based Incentive Scheme for P2P Reputation Management Systems</b>	<b>410</b>
<i>Takuya Nishikawa, Satoshi Fujita</i>	
<b>Decycling Hierarchical Cubic Networks</b>	<b>417</b>
<i>Antoine Bossard</i>	
<b>Heuristics For Reconfigurable Three Dimensional Fiber Space Optical Networks</b>	<b>423</b>
<i>Johan Kosumo, Danny Luong, James C.S. Wong, Gilbert Young</i>	
<b>GPU-based Multi-stream Analyzer on Application Layer for Service-oriented Router</b>	<b>430</b>
<i>Kazumasa Ikeuchi, Janaka Wijekoon, Shinichi Ishida, Hiroaki Nishi</i>	
<b>Minimum Spanning Tree For Energy Saving in Interconnection Networks</b>	<b>437</b>
<i>Hai Nguyen, Daniel Franco, Emilio Luque</i>	
<b>Optimization of TSV-based Crossbars for a 3D Memory-Centric Network-on-Chip</b>	<b>442</b>
<i>Hossam Sarhan, Amr Wassal</i>	
<b>A Methodology to characterize the parallel I/O of the message-passing scientific applications</b>	<b>449</b>
<i>Sandra Mendez, Dolores Rexachs, Emilio Luque</i>	
<b>Control and Marking Data Flows</b>	<b>456</b>
<i>Djamel-Eddine Henni, Zoulikha Mekkakia, Abdelghani Ghomari</i>	
<b>History-Aware Adaptive Routing Algorithm For Energy Saving in Interconnection Networks</b>	<b>463</b>
<i>Hai Nguyen, Gonzalo Zarza, Daniel Franco, Emilio Luque</i>	
<b>BlueHoc: Bluetooth Ad-Hoc Network Android Distributed Computing</b>	<b>468</b>
<i>Gregorio Hinojos, Curtis Tade, Song Park, Dale Shires, David Bruno</i>	
<b>Comparison of NoC Routing Algorithms Using Formal Methods</b>	<b>474</b>
<i>Zeinab Sharifi, Siamak Mohammadi, Marjan Sirjani</i>	

**SESSION: CLUSTER COMPUTING + MULTI-CORE, GPU, FPGA PROCESSING  
AND APPLICATIONS**

<b>Cluster-SkePU: A Multi-Backend Skeleton Programming Library for GPU Clusters</b>	<b>483</b>
<i>Mudassar Majeed, Usman Dastgeer, Christoph Kessler</i>	
<b>DEF-G: Declarative Framework for GPU Environment</b>	<b>490</b>
<i>Robert Senser, Tom Altman</i>	
<b>Workstation Footprint Tactical Computing</b>	<b>497</b>
<i>Song Park, Dale Shires, James Ross, David Richie, Jordan Ruloff, Brian Henz</i>	
<b>Exploiting Heterogeneous Systems: Keccak on OpenCL</b>	<b>502</b>
<i>Allan Mariano de Souza, Fabio Dacencio Pereira, Edward David Moreno</i>	
<b>GPU Acceleration of a Genetic Algorithm for the Synthesis of FSM-based Bimodal Predictors</b>	<b>508</b>
<i>Martin Burtscher, Hassan Rabeti</i>	
<b>A Fast Implementation of Parallel Discrete-Event Simulation on GPGPU</b>	<b>516</b>
<i>Janche Sang, Che-Rung Lee, Vernon Rego, Chung-Ta King</i>	
<b>A GPU-based Multiresolution Pipeline for Compressed Volume Rendering</b>	<b>523</b>
<i>Julian Lamas-Rodriguez, Francisco Arguello, Dora B. Heras</i>	
<b>Data-flow Concurrency on Distributed Multi-core Systems</b>	<b>530</b>
<i>George Michael, Samer Arandi, Paraskevas Evripidou</i>	
<b>A Highly Extensible Framework for Molecule Dynamic Simulation on GPUs</b>	<b>539</b>
<i>Xiao Zhang, Wan Guo, Xiao Qin, Xiaonan Zhao</i>	
<b>Adding Semi-Coordinated Checkpoint to RADIC in Multicore Clusters</b>	<b>545</b>
<i>Marcela Castro, Dolores Rexachs, Emilio Luque</i>	
<b>Comparative Study of High Performance Computing Using Multi-core Parallel Systems</b>	<b>552</b>
<i>Hyo Jong Lee, Hyeon Kyu Kim</i>	
<b>A Numerical Modeling MATLAB Approach to Memory Behavior on a Multi-core Architecture on a Beowulf Cluster Single-Node</b>	<b>557</b>
<i>Damian Valles</i>	
<b>Applying the Parallel GPU Model to Radiation Therapy Treatment</b>	<b>564</b>
<i>J. Steven Kirtzic, David Allen, Ovidiu Daescu</i>	

**A Benchmark-Driven Modelling Approach For Evaluating Deployment Choices On A Multicore Architecture** 571

*Annette Osprey, Graham Riley, Muniyappa Manjunathaiah, Bryan Lawrence*

**Job Parallelism using Graphical Processing Unit Individual Multi-Processors and Localised Memory** 578

*Daniel P. Playne, Ken A. Hawick*

**SESSION: DATA-DRIVEN NETWORKING SYSTEMS WITH HIGH TOLERANCE FOR DISASTER, FAULT AND CONGESTION**

**Effective Flooding over Disaster Tolerant Ad Hoc Network based on Exchange of Neighbor Information** 587

*Naoya Imaizumi, Keisuke Utsu, Hiroshi Sano, Hiroshi Ishii*

**Video Streaming Performance of Load and Battery Charge Oriented Flooding over Disaster Tolerant Ad Hoc Network** 592

*Keisuke Utsu, Hiroaki Nishikawa, Hiroshi Ishii*

**A Proposal on Broadcast based Information Sharing System over Disaster and Congestion Tolerant Ad Hoc Network** 599

*Keisuke Utsu, Hiroaki Nishikawa, Hiroshi Ishii*

**An Overload-Free Data-Driven Ultra-Low-Power Networking Platform Architecture** 604

*Shuji Sannomiya, Yukikuni Nishida, Makoto Iwata, Hiroaki Nishikawa*

**An Implementation of Platform Simulator for Congestion-Free Ultra-Low-Power Data-Driven Networking System** 611

*Kazuhiro Aoki, Shuji Sannomiya, Makoto Iwata, Hiroshi Ishii, Hiroaki Nishikawa*

**Low-Powered Self-Timed Pipeline with Variable-Grain Power Gating and Suspend-Free Voltage Scaling** 618

*Kei Miyagi, Shuji Sannomiya, Makoto Iwata, Hiroaki Nishikawa*

**Self-Timed Single Circular Pipeline for Multiple FFTs** 625

*Ryuichi Taguchi, Hajime Ohiso, Keizo Mendori, Kei Miyagi, Makoto Iwata*

**SESSION: POSTERS AND SHORT RESEARCH PAPERS**

**Perfect Difference Networks and Graphs and Their Applications** 633

*Mikhail Rakov, John Mackall*

**Parallelization of Initial Thread-level Work in Depth-First-Search Tree-Search on GPUs** 635  
*Mark Fienup*

**Runtime Performance Evaluation of GPU and CPU using a Genetic Algorithm Based on Neighborhood Model** 637  
*Vincent Tadaiesky, Adamo Santana, Lilian Dias, Ivan Oliveira, Antonio Jacob, Fabio Lobato*

**Key Management Schemes Roadmap for Body Sensor Networks Based on Physiological Signals** 639  
*Zhao Huawei, Shu Minglei, Qin Jing*

**Analyze the Effect of Contextual Based Fuzzy MRF Models in Satellite Images** 641  
*Rakesh Dwivedi, Sanjay Ghosh, Anil Kumar*

**Practical Simulatable Adaptive Oblivious Transfer Protocol** 643  
*Jing Qin, Hua-wei Zhao, Jie Cai*

**A Simulation Platform for SRAM-TCAM Based Memory Architectures** 645  
*Oluleye Olorode, Mehrdad Nourani*

**SESSION: POSITION AND REGULAR - COMMUNICATION SYSTEMS,  
CLOUD COMPUTING, RECONFIGURABLE SYSTEMS, PARALLEL AND  
DISTRIBUTED COMPUTING, SCHEDULING, ARCHITECTURES, AND  
APPLICATIONS**

**Study of Link Utilization of Perfect Difference Network and Hypercube** 649  
*Rakesh Kumar Katare, Narendra Shivaji Chaudhari, Shazad Ahmed Mughal, Shah Imran, Rajesh Roshan Raina, Shashi Kant Verma*

**Scalable Software Practice Environments Featuring Automatic Provision and Configuration in the Cloud** 658  
*German Molto, Miguel Caballer*

**Partial Reconfiguration of a Linear Recursive Process and Application on [Q,R]-Decomposition** 665  
*Etienne Aubin Mbe Mbock*

**A Graphical Language for Development of Parallel Applications** 672  
*Jose Luis Quiroz-Fabian, Graciela Roman-Alonso, Miguel Alfonso Castro-Garcia, Manuel Aguilar-Cornejo, Jorge Buenabad-Chavez*

**A Proposal for an Efficient Integral Multi-Agent Sensor Network Simulation Architecture Design** 679  
*Alexander Filippou, Dimitrios Karras*

**Automatic Run-time Mapping of Polyhedral Computations to Heterogeneous Devices with Memory-size Restrictions** 686

*Yuri Torres de la Sierra, Arturo Gonzalez-Escribano, Diego R. Llanos*

**Optimizing Data Locality for Iterative Matrix Solvers on CUDA** 692

*Raymond Flagg, Jason Monk, Yifeng Zhu, Bruce Segee*

**DLML-IO: A Library for Processing Large Data Volumes** 699

*Luis Alberto Perez-Suarez, Miguel Alfonso Castro-García, Graciela Roman-Alonso, Manuel Aguilar-Cornejo, Jorge Buenabad-Chavez*

**Dynamic Scheduling Scheme for Linearly Extensible Multiprocessor Systems** 706

*Abdus Samad, Qasim Rafiq, Omar Farooq*

**Pathfinding on a Specialized Vector Processor** 711

*Mikhail Tatur, Yerzhan Seitkulov, Nicolay Verenik, Alexey Girel*

**Control Synthesis of For-Loops in a Pipeline System** 717

*Heung Sun Yoon, Jae Young Park, Jong Tae Kim*

**SESSION: LATE BREAKING PAPER - cloud computing, optimization, sensor networks, scheduling, and applications**

**Deployment of Customized Virtual Machine on Cloud Platform** 723

*Gaochao Xu, Yushuang Dong, Kun Yang, Xiaodong Fu, Jia Zhao*

**Optimizing Performance for Coalition Structure Generation Problems IDP Algorithm** 730

*Francisco Cruz-Mencia, Jesús Cerquides, Antonio Espinosa, Juan Carlos Moure, Juan Antonio Rodriguez-Aguilar*

**Partial Parallelization of the Successive Projections Algorithm using Compute Unified Device Architecture** 737

*Lauro Cássio Martins de Paula, Anderson da Silva Soares, Telma Woerle de Lima, Wellington Santos Martins, Arlindo Rodrigues Galvão Filho, Clarimar José Coelho*

**A New Key Negotiation Method Based on Fuzzy Extractor Technology for Body Sensor Networks** 742

*Zhao Huawei, Shu Minglei, Qin Jing*

**Performance Evaluation of Two-Dimensional Distributed Factoring Self-Scheduling Scheme for Heterogeneous Computer Systems** 749

*Satish Penmatsa, Abel Oji*



**A Method for Eliminating Abnormal Values of Received Signal Strength Indicator (RSSI) in WLAN 754**

*Yanfang Jing, Minglei Shu, Ming Yang, Huawei Zhao, Jiankun Hu*

