



# Laboratoire parallélisme, réseaux, alg

## 2008 À 2011

[193]

N. Emad, O. Delannoy, and S. Petitot. A Scientific Workflow Framework for Large Scale Distributed and Parallel Computing. In Complex Systems Design & Management (CSD&M), pages 1--13, Paris, France, December 2011.

[194]

Jalel Ben Othman and Lynda Mokdad. Improving QoS for ugs, rtps, nrtps, be in wimax networks. In Proceedings of the International Conference on Communications and Information Technology (ICCIT 2011), Jeju Island, South Korea, November 2011. Best Paper Award.

[195]

Jalel Ben Othman and Yesica Imelda Saavedra Benitez. A light weight security scheme for HWmp protocol using elliptic curve technique. In LCN 2011 - The 36th Annual Conference on Local Computer Networks, pages 850--854, Bonn, Germany, October 2011.

[196]

Tipp Moseley, Neil Vachharajani, and William Jalby. Hardware performance monitoring

for the rest of us: A position and survey. In NPC'11: Proceedings of the 8th IFIP International Conference on Network and Parallel Computing, pages 293--312, The Centre for Graduate Studies of the Universiti Teknologi PETRONAS, Tronoh, Perak, Malaysia, September 2011. Springer-Verlag.

[197]

Laurent Berenguer, Thomas Dufaud, Duc Toan Pham, and Damien Tromeur-Dervout. On-the-fly Singular Value Decomposition for Aitken's Acceleration of the Schwarz Domain Decomposition Method,. In Koen De Bosschere, Erik H. D'Hollander, Gerhard R. Joubert, David Padua, and Mark Sawyer Frans Peters, editors, PARCO11, volume 22 of Advances in Parallel Computing, pages 243 -- 250, Ghent, Belgium, September 2011. IOS Press. Réalisé à l'ICJ - UMR 5208.

[198]

N. Emad and M. Dandouna. Large-Scale Numerical Computation with YML Environment. In the Proceedings of the 7th International Congress on Industrial and Applied Mathematics (ICIAM), Vancouver, BC, Canada, July 2011.

[199]

Jalel Ben Othman, Karim Bessaoud, Alain Bui, and Laurence Pilard. Self-stabilizing algoithm for energy saving in wireless sensor networks. In Computers and Communications (ISCC), 2011 IEEE Symposium on, pages 68--73, Kerkyra (Corfu), Greece, June 2011. IEEE CS Press.

[200]

Jalel Ben Othman, Lynda Mokdad, and Mohamed Ould Cheikh. A new architecture of wireless mesh networks based IEEE 802.11s directional antennas. In Proceedings of the International Conference on Communications in Wireless Network Symposium (ICC 11 WNS), Kyoto, Japan, June 2011.

[201]

Jalel Ben Othman, Lynda Mokdad, and Bashir Yahya. An energy efficient priority-based QoS MAC protocol for wireless sensor networks. In Proceedings of the IEEE International Conference on Communications in Ad Hoc, Sensor and Mesh Networks Symposium (ICC 2011 AHSM), Kyoto, Japan, June 2011. Best Paper Award.

[202]

Kinda Khawam, Marc Ibrahim, Johanne Cohen, Samer Lahoud, and Samir Tohme. Individual vs. global radio resource management in a hybrid broadband network. In IEEE International Conference on Communications - ICC2011, pages 1--6, Kyoto, Japan, June 2011.

[203]

Lynda Mokdad and Jalel Ben Othman. Admission control mechanism and performance analysis based on stochastic automata networks formalism. Elsevier Journal of Parallel

and Distributed Computing (JPDC), 71(4):594--602, April 2011.

[204]

Elouze R., Gueroui M., and Alimi A.M. Macrofemto cell handover with enhanced QoS in mobile WiMAX. In IEEE Wireless Telecommunications Symposium (WTS), New York, USA, April 2011.

[205]

Thomas Dufaud and Damien Tromeur-Dervout. Numerical Investigations and Parallel Implementation of the ARAS2 Preconditioning Technique. In B.H.V. Topping P. Iványi, editor, PARALLEL, DISTRIBUTED, GRID AND CLOUD COMPUTING FOR ENGINEERING 2011, volume 95 of Civil-Comp Proceedings, page Paper 41, Adjacio, France, April 2011. Civil-Comp Press. Réalisé à l'ICJ - UMR 5208.

[206]

Elouze R., Gueroui M., and Alimi A.M. Femtocells QoS management with user priority in mobile WiMAX. In IEEE Wireless Communications and Networking Conference, WCNC, Cancun, Mexico, March 2011.

[207]

Sahar Ghazal, Jalel Ben Othman, and Jean-Pierre Claude. Traffic management based on token bucket mechanism for wimax networks. Springer Cluster Computing, 14:1--10, February 2011.

[208]

Jalel Ben Othman, Lynda Mokdad, and Yesica Imelda Saavedra Benitez. Performance comparison between ibc-HWmp and hash-HWmp. In The IEEE Global Communications Conference (GLOBECOM) 2011, pages 1--5, Houston, Texas, United-States, 5-9 December 2011.

[209]

Ben-Othman J. and Saavedra Benitez Y. On securing HWmp using ibc. In IEEE International Conference on Communications ICC2011, Kyoto, Japan, 5-9 June 2011.

[210]

Kinda Khawam, Marc Ibrahim, Marwen Abdennabi, Dana Marinca, and Samir Tohme. Analytical modelling in 802.11 ad hoc networks. Computer Communications, 34(15): 1883--1891, 2011.

[211]

Nabila Labraoui, Abdelhak Gueroui, and Makhlof Aliouat. Secure dv-hop localization scheme against wormhole attacks in wireless sensor networks. European Transaction on Telecommunications, 12(3-4):1002--1032, 2011.

[212]

Nabila Labraoui, Abdelhak Gueroui, Makhlof Aliouat, and Petit M. Rahim: Robust adaptive approach based on hierarchical monitoring providing trust aggregation for

wireless sensor networks. Journal of Universal Computer Science (J.UCS), 17(issue 11): 1550-1571, 2011.

[213]

Nabila Labraoui and Gueroui M. Secure range-free localization scheme in wireless sensor networks. In 10th IEEE International Symposium on Programming and Systems (ISPS2011), 2011. Algiers, Algiers, Algeria, 2011.

[214]

Nabila Labraoui, Gueroui M., and M. Aliouat. Proactive defense-based secure localization scheme in wireless sensor networks. In Digital Information and Communication Technology and Its Applications (DICTAP) 2011, Part I, CCIS, Dijon, France, 2011.

[215]

Rola Naja, Melhem Helou, and Samir Tohme. Wimax double movable boundary scheme in the vehicle to infrastructure communication scenario. Wireless Personal Communications Journal-Springer Publisher, pages 247--255, 2011.

[216]

Samir Ammenouche. Etude de l'interaction au niveau entre le parallélisme d'instructions et les caches. PhD thesis, Université de Versailles, laboratoire Prism, 2011.

[217]

Nahid Emad, Olivier Delannoy, and Makarem Dandouna. Numerical library reuse in parallel and distributed platforms. In Proceedings of the 9th international conference on High performance computing for computational science, VECPAR 2010, pages 271--278, Berlin, Heidelberg, 2011. Springer-Verlag.

Keywords: code reusability, design model, large scale distributed systems, numerical library

[218]

Minhaj Ahmad Khan, Henri-Pierre Charles, and Denis Barthou. Improving performance of optimized kernels through fast instantiations of templates. Concurrency and Computation: Practice and Experience, 0(21):59--70, 2011.

[219]

Souad Koliaï. Approche statique et dynamique pour l'évaluation de performances de codes scientifiques : Static and Dynamic Approach for Performance Evaluation of Scientific. PhD thesis, Université de Versailles SaintQuentin en Yvelines, laboratoire, 2011.

[220]

Soraya Zertal and Peter G. Harrison. Investigating flash memory wear levelling and execution modes. Simulation, 87(12):1081--1091, 2011.

[221]

Abdurusul Kudireti. Clustering avec reconfigurations locales pour des systèmes

distribués dynamiques. PhD thesis, Université de Reims Champagne-Ardenne, 2011.

[222]

Jalel Ben Othman, Karim Bessaoud, Alain Bui, and Laurence Pilard. Self-stabilizing algorithm for energy saving in wireless sensor networks. In 3rd International Workshop on Performance Evaluation of Communications in Distributed Systems and Web based Service Architectures (ISCC Workshop), pages 68--73, Greece, 2011. IEEE CS Press.

[223]

Alain Bui, Simon Clavière, Ajoy K. Datta, Lawrence L. Larmore, and Devan Sohier. Self-stabilizing construction of bounded size clusters. In 8th International Colloquium on Structural Information and Communication Complexity (SIROCCO), pages 54--65. Lecture Notes in Computer Science, Springer, 2011.

[224]

Benoit Chiquet, Pascal Vander-Swalmen, Bertrand Le Cun, and Alain Bui. Elaboration d'une méta-heuristique parallèle pour le crew scheduling problem. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2011.

[225]

Alain Bui, Simon Clavière, and Devan Sohier. Distributed construction of nested clusters with inter-cluster routing. In Advances in Parallel and Distributed Computational Models (IPDPS Workshop), pages 673--680. IEEE CS Press, 2011.

[226]

Raoul Velazco, Gilles Foucard, Fabrice Pancher, Wassim Mansour, Greicy Marques-Costa, Devan Sohier, and Alain Bui. Robustness with respect to SEUs of a self-converging algorithm. In 12th Latin American Test Workshop (LATW), pages 1--5. IEEE CS Press, 2011.

[227]

Yann Hermans, Bertrand Le Cun, and Alain Bui. Modèle d'optimisation basé sur le vehicle-to-grid pour limiter l'impact des pics de consommation électrique sur la production. Technical report, Hal Open Archive (CNRS), 2011.

[228]

Yann Hermans, Bertrand Le Cun, and Alain Bui. Modèle basé sur le vehicle-to-grid pour limiter l'utilisation des centrales thermique. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2011.

[229]

Raoul Velazco, Wassim Mansour, Fabrice Pancher, Greicy Marques-Costa, Devan Sohier, and Alain Bui. Improving SEU fault tolerance capabilities of a self-converging algorithm. In 12th European Conference on Radiation and Its Effects on Components and Systems (RADECS), pages 138--143. IEEE CS Press, 2011.

[230]

Alain Bui and Devan Sohier. Meeting of randomly moving messages in a mobile ad-hoc network. In Conference on Complex, Intelligent, and Software Intensive Systems (CISIS), pages 438--441. IEEE CS Press, 2011.

[231]

Rentsen Enkbat and Ider Tseveendorj, editors. <<Control and Optimization>> Special Issue of the Journal Optimization Letters. Springer, 2011.

[232]

Ider Tseveendorj and Dominique Fortin. Pareto optima and local optimality of piecewise convex maximization problems. In 15th International Conference on Optimization Methods and Their Applications, volume 2, pages 25--29, Russia, 2011. ISDCT SB of the Russian Academy of Sciences Publisher.

[233]

Ider Tseveendorj and Dominique Fortin. Piecewise convex maximization problems: Piece adding technique. *Journal of Optimization Theory and Applications*, 148(3):471--487, 2011.

[234]

Dominique Fortin and Ider Tseveendor. Piecewise convex formulations of binary and permutation problems. *Siberian Journal of Numerical Mathematics*, 14(4):409--423, 2011.

[235]

Dominique Fortin and Ider Tseveendor. Piecewise convex formulations of binary and permutation problems. *Numerical Analysis and Applications*, 4(4):333--344, 2011.

[236]

François Galea and Bertrand Le Cun. A parallel exact solver for the three-index quadratic assignment problem. In Advances in Parallel and Distributed Computational Models (IPDPS Workshop), pages 1940--1949. IEEE CS Press, 2011.

[237]

Frederik Manne, Morten Mjelde, Laurence Pilard, and Sébastien Tixeuil. A self-stabilizing 2/3-Approximation algorithm for the maximum matching problem. *Theoretical Computer Science (TCS)*, 412(40):5515--5526, 2011.

[238]

Ider Tseveendorj and Igor Vasilyev, editors. Optimization Methods and Their Applications, volume 9.3. Studia Informatica Universalis, herman informatique edition, 2011.

[239]

Bashir Yahya. Protocole des communications pour les réseaux de capteurs sans fil basés sur la qualité de service et l'économie d'énergie. PhD thesis, Université de Versailles, Laboratoire PRISM, November 2010.

[240]

Jalel Ben-Othman, Serigne Diagne, Lynda Mokdad, and Bashir Yahya. Performance evaluation of a hybrid MAC protocol for wireless sensor networks. In The 13-th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems, pages 327--334, Bodrum, Turkey, October 2010.

[241]

Kinda Khawam, Marc Ibrahim, Johanne Cohen, Samer Lahoud, and Samir Tohme. Individual vs. global radio resource management in a hybrid broadband network. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines - Ecole supérieure d'ingénieurs de Beyrouth -ESIB - Université Saint-Joseph- Beyrouth - ATNET - IRISA - Université de Rennes I - Institut National des Sciences Appliquées de Rennes - École normale supérieure de Cachan - ENS Cachan - CNRS: UMR6074, October 2010. Keywords: Non-cooperative game theory, non-linear optimisation, WiMAX, WiFi, 4G networks

[242]

Bashir Yahya and Jalel Ben-Othman. A peer-to-peer based named system for mobile ad hoc networks. In The 35th IEEE Conference on Local Computer Networks (LCN), pages 821--826, Denver, CO, USA, October 2010.

[243]

Rola Naja, Abdulkader Oubari, and Samir Tohme. WiMAX and HSDPA networks playing vertical mobility games. In IEEE Seventh International Conference on Wireless and Optical Communications Networks, pages 1--5, September 2010.

[244]

Abdelhafid Mazouz, Sid-Ahmed-Ali Touati, and Denis Barthou. Measuring and analysing the variations of program execution times on multicore platforms: Case study. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines - ALCHEMY - INRIA Saclay - Ile de France - INRIA - CNRS: UMR8623 - Université Paris Sud - Paris XI - Laboratoire Bordelais de Recherche en Informatique - LaBRI - CNRS : UMR5800 - Université Sciences et Technologies - Bordeaux I - Ecole Nationale Supérieure d'Electronique,Informatique et Radiocommunications de Bordeaux - Université Victor Segalen - Bordeaux II, September 2010.

Keywords: OpenMP, Multicore, Parallelism, Performance evaluation

[245]

Jalel BenOthman and Yahya Bashir. Energy efficient and QoS based routing protocol for wireless sensor networks. Journal of Parallel and Distributed Computing, 70(8):849-857, August 2010.

[246]

Jalel BenOthman and Yahya Bashir. Energy efficient and QoS aware medium access control for wireless sensor networks. Wiley Concurrency and ComputationPractice and Experience, 22(10):1252-1266, July 2010.

[247]

Thomas Dufaud and Damien Tromeur-Dervout. Aitken's acceleration of the Restricted Additive Schwarz preconditioning using coarse approximations on the interface. C. R. Acad. Sci. Paris, Ser. I, 348(13-14):821--824, June 2010. Réalisé à l'ICJ - UMR 5208. Keywords: Domain decomposition Restricted Additive Schwarz preconditioner Aitken-Schwarz method Parallel computing

[248]

Nabila Labraoui, Abdelhak Gueroui, Petit J., and Makhlof Aliouat. Adaptive security level for data aggregation in wireless sensor networks. In IEEE 5th International Symposium on Wireless Persuasive Computing-ISWPC, Palazzo Ducale, Modena, Italy, May 2010.

[249]

Marouane Belaoucha, Denis Barthou, Adrien Eliche, and SidAhmedAli Touati. Fadalib: an open source c++ library for fuzzy array dataflow analysis. Procedia Computer Science, pages 2075-2084, May 2010.

[250]

Nahid Emad, Olivier Delannoy, and Makarem Dandouna. A Design Approach for Numerical Libraries in Large Scale Distributed Systems. In The eight ACS/IEEE International Conference on Computer Systems and Applications 2010, pages 1--9, Hammamet, Tunisia, May 2010.

[251]

Rola Naja. How to bridge the knowledge gap and the digital divide between the north and the south. In International Conference Biovision. Bibliotheca Alexandrina, April 2010.

[252]

Frederic Brault, Benoit Dupont-De-Dinechin, Sid-Ahmed-Ali Touati, and Albert Cohen. Software pipelining and register pressure in VLIW architectures: Preconditionning data dependence graphs is experimentally better than lifetime-sensitive scheduling. In 8th Workshop on Optimizations for DSP and Embedded Systems (ODES'10), Toronto, Canada, April 2010.

[253]

Jalel Ben-Othman and Lynda Mokdad. Enhancing data security in ad hoc networks based on multipath routing. Elsevier Journal of Parallel and Distributed Computing, 70(3): 309--316, March 2010.

[254]

Sebastien Briais, Sid-Ahmed-Ali Touati, and Karine Deschinkel. Ensuring lexicographic-

positive data dependence graphs in the sira framework. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines - ALCHEMY - INRIA Saclay - Ile de France - INRIA - CNRS : UMR8623 - Université Paris Sud - Paris XI - Laboratoire d'Informatique de Franche-Comté - LIFC - Université de Franche-Comté: EA4269, March 2010.

Keywords: Compilation, Code optimisation, Register pressure, Cyclic instruction scheduling, Instruction level parallelism

[255]

Abdelhafid Mazouz, Sid-Ahmed-Ali Touati, and Denis Barthou. Study of variations of native program execution times on multi-core architectures. In International IEEE Conference on Complex, Intelligent and Software Intensive Systems, pages 919--924, Krakow, Pologne, February 2010.

[256]

Sahar Ghazal. Modèle de Gestion de la Qualité de Service pour l'Architecture Point à Multi point des Réseaux IEEE 802.16 (WIMAX). PhD thesis, Université de Versailles SaintQientin en Yvelines, laboratoire PRISM, 2010.

[257]

Jalel Ben Othman and Yahiya B. A peer-to-peer based naming system for mobile ad hoc networks. In In proceedings of the 35rd IEEE Conference on Local Computer Networks, 2010, (LCN2010), Denver, CO, USA, 11-14 October 2010.

[258]

Jalel Ben-Othman, Lynda Mokdad, and Mohamed Ould Cheikh. On improving the performance of IEEE 802. 11s based wireless mesh networks using directional antenna. In The 35th IEEE Conference on Local Computer Networks (LCN), pages 785-790. IEEE, 2010.

[259]

Jalel Ben Othman and Yahiya B. Relax : An energy efficient multipath routing protocol for wireless sensor networks. In in proceedings of the IEEE International Conference on communications in Wireless networks symposium (ICC 10)., Cap Town, South Africa, 23-27 May 2010.

[260]

Jalel Ben Othman and Ghazal S. Trac policing based on token bucket mechanism for WiMAX networks. In in proceedings of the IEEE International Conference on communications in Wireless networks symposium (ICC 10)., Cap Town, South Africa, 23-27 May 2010.

[261]

Wafaa Boud Diab. sécurité de bout-en-bout des Services Temps Réel sur des Réseaux audelà de troisième Génération. PhD thesis, Université de Versailles SaintQuentin en

Yvelines, laboratoire PRISM, 2010.

[262]

Amir Djouama. Contrôle de topologie ambiant dans les réseaux sans fil. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[263]

Marc Ibrahim, Kinda Khawam, and Samir Tohme. Congestion games for distributed radio access selection in broadband networks. In IEEE GLOBECOM 2010, pages 1-5, 2010.

[264]

Nora Izri, Jean-Michel Fourneau, Dana Marinca, and Samir Tohme. Impact de la convergence fixemobile sur un réseau optique de collecte. In 11èmes Journées Doctorales en Informatique et Réseaux JDIR, Sophia Antipolis, France, 2010.

[265]

Kinda Khawam, Marc Ibrahim, and Tohme Samir. Centralised multi-class access control in a WiMAX-UMTS hybrid network. In IEEE PIMRC 2010, pages 1265-1270, 2010.

[266]

Kinda Khawam and Dana Marinca. Size-based proportional fair scheduling. In PIMRC 2010, pages 1781--1786, 2010.

[267]

Nabila Labraoui, Abdelhak Gueroui, Makhlof Aliouat, and Zia Tanveer. Data aggregation security challenge in wireless sensor networks a survey. AHSWN Journal Adhoc & Sensor Wireless Networks, 2010.

[268]

Rola Naja and Abed Ahmad. On dynamic resource allocation in WiMAX networks. INFOCOMP Journal, 9(3):42--51, 2010.

[269]

Yesica Imelda Saavedra Benitez. Nouveau mécanisme pour la sécurisation IEEE 802.11 s protocoles de routage. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[270]

Mamadou Sidibe. Métrologie des services audiovisuels dans un contexte multi-opérateurs et multi-domaines réseaux. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[271]

Jean-Christian Angles D'Auriac, Denis Barthou, Damir Becirevic, Rene Bilhaut, François Bodin, Philippe Boucaud, Olivier Brand-Foissac, Jaume Carbonell, Christine Eisenbeis, P. Gallard, Gilbert Grosdidier, P. Guichon, P.F. Honore, G. Le Meur, P. Pene, L. Rilling, P. Roudeau, André Seznec, and A. Stocchi. Towards the petaflop for lattice qcd simulations the petaqcd project. In J. Gruntorad and M. Lokajicek, editors, Journal of Physics Conference Series, volume 219, page 052021, Prague, Tchèque, République,

2010. IOP Publishing.

[272]

Mounira Bachir. Minimisation du facteur de déroulage de boucle dans une allocation périodique de registres. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[273]

Majed Chatti, S. Yahia, Claude Timsit, and Soraya Zertal. A hypercube-based NoC routing algorithm for efficient allto all communications in embedded image and signal processing applications. In IEEE Conference on High Performance Computing and Simulation (HPCS), Caen, 2010. Best Short Paper Award.

[274]

Pablo De Oliveira Castro. Expression et optimisation des réorganisations de données dans du parallélisme de flots. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2010. Thèse financée et effectuée au sein du CEA DRT.

[275]

Olfa Hamdi-Larbi. Étude de la distribution, sur système à grande échelle, de calcul numérique traitant des matrices creuses compressées. PhD thesis, Université de Versailles St-Quentin en Yvelines, FST, Tunis, 2010. Thèse en cotutelle avec la faculté des sciences de Tunis, Tunisie.

[276]

Peter G. Harrison, Naresh M. Patel, and Soraya Zertal. Response time distribution of flash memory accesses. *Performance Evaluation*, 67(4):248-259, 2010.

[277]

Yuanjie Huang, Liang Peng, Chengyong Wu, Yury Kashnikov, Jorn Rennecke, and Grigori Fursin. Transforming gcc into a research-friendly environment: plugins for optimization tuning and reordering, function cloning and program instrumentation. In 2nd International Workshop on GCC Research Opportunities (GROW'10), Pisa, Italie, January 2010. Google Summer of Code'09.

[278]

Shang L., Petiton S., Emad N., and Yang X. Cloud Computing: Principles, Systems and Applications, chapter YML-PC: A Reference Architecture Based on Workflow for Building Scientific Private Clouds, pages 145--162. Springer-Verlag, 2010.

[279]

Zuckerman Stephane. Méthodologie de mesure et optimisation de l'utilisation des hiérarchies mémoire dans les systèmes multicoeur. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[280]

Claude Timsit. Du transistor à l'ordinateur. Hermann, 2010.

[281]

Claude Timsit and Soraya Zertal. Using spreadsheets to teach computer architecture. In International Conference on Computer Supported Education (CSEDU), 2010.

[282]

Sid-Ahmed-Ali Touati, Julien Worms, and Sébastien Briais. The speedup test. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines - ALCHEMY - INRIA Saclay - Ile de France - INRIA - CNRS: UMR8623 - Université Paris Sud - Paris XI - Laboratoire de Mathématiques de Versailles - LM-Versailles - CNRS : UMR8100 - Université de Versailles-Saint Quentin en Yvelines, 2010. A software is included with the document: the software implements the speedup-test protocole.

Keywords: Code optimisation, program performance evaluation and analysis, statistics

[283]

Sid Ahmed Touati. Méthodes d'optimisation de programmes bas niveau. PhD thesis, Université de Versailles, laboratoire Prism, 2010.

[284]

Soraya Zertal and Wilfieri Dron. Quantitative study of solid state disks for mass storage. In International Symposium on Performance Evaluation of Computer & Telecommunication Systems (SPECTS), pages 149--155, 2010.

[285]

Stephane Zuckerman and William Jalby. Tacking cache-line stealing effects using run-time adaptation. In LCPC2010: Proceedings of the 23rd International Conference on Languages and Compilers for Parallel Computing, pages 62-76. SpringerVerlag, 2010.

[286]

Thibault Bernard, Alain Bui, Olivier Flauzac, and Florent Nolot. A multiple random walks based self-stabilizing k-exclusion algorithm in ad-hoc networks. International Journal of Parallel, Emergent and Distributed Systems (IJPEDS), 25(2):135--152, 2010.

[287]

Thibault Bernard, Alain Bui, and Laurence Pilard. Managing clusters among distributed dynamic environments. In International Workshop on Performance evaluation of communications in Distributed Systems and Web based service architectures (ISCC Workshop), pages 1121--1126. IEEE CS Press, 2010.

[288]

Alain Bui, Abdurusul Kudireti, and Devan Sohier. A random walk based clustering with local recomputations for mobile ad hoc networks. In Advances in Parallel and Distributed Computational Models (IPDPS Workshop), pages 1--8. IEEE CS Press, 2010.

[289]

Alain Bui and Ider Tseveendorj, editors. Combinatorial Optimization in Practice, volume 8.2. Studia Informatica Universalis, Special issue dedicated to Catherine Roucairol, herman informatique edition, 2010.

[290]

Altannar Chinchuluun, Panos M. Pardalos, Rentsen Enkhbat, and Ider Tseveendorj, editors. Optimization and Optimal Control: Theory And Applications, volume 39 of Springer Optimization and Its Application (SOIA). Springer, 2010.

[291]

Van-Dat Cung, Bertrand Le Cun, and Catherine Roucairol. Parallel Combinatorial Optimization, chapter 8. V. Th Paschos, USA, 2010.

[292]

Ider Tseveendorj and Dominique Fortin. Piecewise convex maximization problems: Local search. In Abstracts of the International Conference on Optimization, Simulation and Control, page 70, Mongolia, 2010.

[293]

Ider Tseveendorj and Dominique Fortin. Piecewise convex maximization problems: Piece adding technique. In Abstracts of the International Conference on Optimization, Simulation and Control, page 18, Mongolia, 2010.

[294]

Ider Tseveendorj and Dominique Fortin. Piece adding technique for convex maximization problems. Journal of Global Optimization, 48(4):583--593, 2010.

[295]

Bertrand Le Cun and François Galea. Résolution parallèle de l'affectation quadratique à 3 dimensions. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2010.

[296]

Ali Hamieh, Jalel Ben-Othman, and Lynda Mokdad. Detection of radio interference attacks in vanet. In GLOBECOM 2009, pages 1--5, Honolulu, Hawaii, USA, November 2009.

[297]

Rola Naja and Samir Tohme. Supporting intelligent terminals by cross-layer adaptation over HSDPA network. JETR Journal, Academic Journals, 7:115--121, October 2009.

[298]

N. Emad, O. Hamdi-Larbi, and Z. Mahjoub. On sparse matrix vector product performance evaluation for efficient distribution on large scale systems. In proceedings of 9th Hellenic European Conference on Computer Mathematics and its Applications (HERCMA 2009), pages 1--8, Athens, Greece, September 2009.

[299]

Laurent Plagne, Frank Hulsemann, Denis Barthou, and Julien Jaeger. Parallel expression template for large vectors. In Proceedings of the 8th Workshop on Parallel/High-Performance Object-Oriented Scientific, pages 8:1--8:8, Genova, Italie, July 2009.

Keywords: C++ template, OpenMP, expression template, intel TBB, multi- core processors,parallel computing

[300]

Rola Naja and Samir Tohme. A cross-layer study: Impact of terminal categories on adaptability in HSDPA networks. In IEEE International Conference on Wireless and Optical Communications Networks, pages 1--5, April 2009.

[301]

Abd-Elhamid M. Taha and Jalel Ben-Othman. The 9th IEEE international workshop on wireless local networks (wln 2009). In The 36th IEEE Conference on Local Computer Networks (LCN), April 2009.

[302]

Sid Touati. Towards a statistical methodology to evaluate program speedups and their optimisation techniques. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines, April 2009. 12 pages.

Keywords: Program optimisation ; Statistical Performance Evaluation ; Performance; Measurement, Experimentation

[303]

Jalel Ben-Othman and Yahya Bashir. Towards a classification of energyaware MAC protocols for wireless sensor networks. Wiley Wireless Communications and Mobile Computing (WCNC), 9(12):1572-1607, February 2009.

[304]

Yahya Bashir and Jalel BenOthman. Towards a Classification of Energy Aware MAC Protocols for Wireless Sensor Networks, pages 1572-1607. No, 2009.

[305]

Yahya Bashir and Jalel BenOthman. An adaptive mobility aware and energy efficient MAC protocol for wireless sensor networks. In The Fourteenth IEEE Symposium on Computers and Communications, pages 15-21, 2009.

[306]

Jalel Ben-Othman, Lynda Mokdad, and Souheila Bouam. Amclm: Adaptive multi-services cross-layer MAC protocol for IEEE 802.11 Networks. Journal of Interconnection Networks, 10(4):283--301, 2009.

[307]

Jalel BenOthman and Ali Hamieh. Defending method against jamming attack in wireless

ad hoc networks. In The 34th IEEE Conference on Local Computer Networks (LCN), pages 758-762, Swissotel Zurich, Zurich, Switzerland, 2023 October 2009.

[308]

Jalel Ben-Othman, Lynda Mokdad, Mohamed Ould Cheikh, and Mbaye Sene. Performance analysis of composite web services using stochastic automata networks over IP network. In The Fourteenth IEEE Symposium on Computers and Communications, pages 92-97, 2009.

[309]

Wafaa Bou Diab and Samir Tohme. Seamless handover and security solution for real-time services. In ISM 2009, California, USA, 2009.

[310]

Wafaa Bou Diab and Samir Tohme. Secure and seamless handover solution for real-time application. In IMSAA 2009, Bangalore, India, 2009.

[311]

Wafaa Bou Diab and Samir Tohme. End-to-end security and seamless handover solution for real-time communications over 3G networks. In IMSAA 2009, Canary Islands, Spain, 2009.

[312]

Amir Djouama, Marwen Abdennabi, Lynda Mokdad, and Tohme Samir. Lifetime aware admission control for infrastructureless wireless networks. In ISCC 2009 The Fourteenth IEEE Symposium on Computers and Communications, pages 67-72, Sousse, Tunisia, 58 July 2009.

[313]

Amir Djouama, Lynda Mokdad, Marwen Abdennabi, and Samir Tohme. Topology control for enhanced QoS on infrastructure-less heterogeneous radio networks. In LCN 2009 - The 34th IEEE Conference on Local Computer Networks, pages 414--419, 2009.

[314]

Ali Hamieh and Jalel Ben-Othman. Detection of jamming attacks in wireless ad hoc networks using error distribution. In ICC 2009, pages 1-6, 2009.

[315]

Ali Hamieh, Jalel BenOthman, Abdelhak Gueroui, and Farid NaitAbdesselam. Detecting greedy behaviors by linear regression in wireless ad hoc networks. In IEEE International Conference on Communications 2009, pages 1-6, 2009.

[316]

Marc Ibrahim. Gestion conjointe de ressources, dimensionnement et analyse des performances dans les réseaux radio à large-bande. PhD thesis, Université de Versailles, laboratoire Prism, 2009.

[317]

Marc Ibrahim, Kinda Khawam, and Samir Tohme. Network-centric joint radio resource policy in heterogeneous WiMAX- UMTS networks for streaming and elastic traffic. In IEEE Wireless and Communications & Networking Conference - WCNC 2009, pages 1718--1723, Budapest, Hongria, 5-8 April 2009.

[318]

Nabila Labraoui, Gueroui Mourad, and Zia Tanveer. Secure in-network data aggregation in wireless sensor networks : Issues and solutions. In COSI'2009, Annaba, Algeria, 2009.

[319]

Nabila Labraoui, Gueroui Mourad, and Zia Tanveer. Data aggregation security challenges in wireless sensor networks. In 8th IEEE International Symposium on Programming and Systems (ISPS2009), 2009. Algiers, Algiers, Algeria, 2009.

[320]

Lynda Mokdad and Jalel Ben-Othman. Stochastic automata networks for modeling scheduling scheme in WiMAX networks. Journal of Parallel and Distributed Computing, 10 (4):481--495, 2009.

[321]

Daniel Negru, Yassine HadjadjAoul, Ahmed Mehaoua, and Anastasios Kourtis. IPv6 over DVBT Mobility Issues, Challenges, and Enhancements, pages 3--31. River Publishers, 2009.

[322]

Thiare O., Naimi M., and Gueroui M. Distributed groups mutual exclusion based on dynamical data structures. Journal of Theoretical and Applied Information Technology (JATIT), 2009.

[323]

Bashir Yahya and Jalel Ben-Othman. Reer: Robust and energy efficient multipath routing protocol for wireless sensor networks. In GLOBECOM 2009, pages 1-7, 2009.

[324]

Bashir Yahya and Jalel Ben-Othman. An energy efficient and QoS aware multipath routing protocol for wireless sensor networks. In LCN 2009 The 34th IEEE Conference on Local Computer Networks(LCN), Zurich, Switzerland, 14-17 October 2009.

[325]

Nawel Zangar, Marwen Abdennabi, Sami Tabbane, and Samir Tohme. Design, mobility management and analysis of a hybrid WiMAX / satellite network. In PIMRC 2009 IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, pages 1133-1137, 2009.

[326]

Samir Ammenouche, SidAhmedAli Touati, and William Jalby. On instructionlevel method for reducing cache penalties in embedded VLIW processors. In HPCC2009: Proceedings

of the 2009 11th IEEE International Conference on High Performance Computing and Communications, pages 196-205. IEEE Computer Society, 2009.

[327]

Sebastien Briais and Sid-Ahmed-Ali Touati. Experimental study of register saturation in basic blocks and super-blocks: Optimality and heuristics. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines, 2009. Experimental data and free software are included (made public).

Keywords: Compilation, Code optimisation, Register saturation, Instruction level parallelism

[328]

Sebastien Briais and Sid-Ahmed-Ali Touati. Schedule-sensitive register pressure reduction in innermost loops, basic blocks and super-blocks. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation- PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines, 2009.

Keywords: Compilation, Code optimisation, Register pressure, Instruction level parallelism

[329]

Laurent Choy, Olivier Delannoy, Nahid Emad, and Serge G. Petiton. Federation and abstraction of heterogeneous global computing platforms with the YML framework. In International Conference on Complex, Intelligent and Software Intensive Systems, pages 451--456, Los Alamitos, CA, USA, 2009. IEEE Computer Society.

[330]

Lamia Djoudi, Vasil Khachazide, and William Jalby. Kbs-maqao: A knowledge based system for maqao tool. In HPCC' 09: Proceedings of the 2009 11th IEEE International Conference on High Performance Computing and Communications, pages 571--578. IEEE Computer Society, 2009.

[331]

Richard Dusseaux, K. Ait Braham, and Nahid Emad. Eigenvalue system for the scattering from rough surfaces -- saving in computation time by a physical approach. Optics Communications, 282(18):3820--3826, 2009.

Keywords: Scattering; Rough surfaces; C method; Eigenvalue system; Beam simulation method; Huygens principle

[332]

Peter Harrison and Soraya Zertal. Bus modelling in zoned disks raid storage systems. Electronic Notes in Theoretical Computer Science, 232:5--16, 2009.

[333]

Marc Ibrahim, Kinda Khawam, Abed Ellatif Samhat, and Samir Tohme. Analytical framework for dimensioning hierarchical wimax-WiFi networks. Computer Networks, 53

(3):299--309, 2009.

[334]

Souad Koliai, Stephane Zuckerman, Emmanuel Oseret, Mickael Ivascot, Tipp Moseley, Ding Quang, and William Jalby. A balanced approach to application performance tuning. In LCPC' 09: Proceedings of the 22nd International Conference on Languages and Compilers for Parallel Computing, pages 111--125. Springer-Verlag, 2009.

[335]

Abigail S. Lebrecht, Nicolas Dingle, Peter G. Harrison, William G. Knottenbelt, and Soraya Zertal. Using bulk arrivals to model IO request response distributions in zoned disks and raid systems. In International Conference on Performance Evaluation Methodologies and Tools (VALUETOOLS), 2009.

[336]

Ling Shang, Serge G. Petiton, Nahid Emad, Xiaolin Yang, and Zhiyan Wang. Extending YML to be a Middleware for Scientific Cloud Computing. In 1st International Conference on Cloud Computing, CloudCom 2009, pages 662--667, Berlin, Heidelberg, 2009. Springer-Verlag.

Keywords: Cloud computing, Cloud middleware, Grid computing, Scientific computing, YML

[337]

Sid-Ahmed-Ali Touati. Cyclic task scheduling with storage requirement minimization under specific architectural constraints: Case of buffers and rotating storage facilities. Technical report, Parallélisme, Réseaux, Systèmes d'information, Modélisation - PRISM - CNRS : UMR8144 - Université de Versailles-Saint Quentin en Yvelines - ALCHEMY - INRIA Saclay - Ile de France - INRIA - CNRS: UMR8623 - Université Paris Sud - Paris XI, 2009. This is a continuation work to SIRA (Sid-Ahmed-Ali Touati and Christine Eisenbeis. Early Periodic Register Allocation on ILP Processors. Parallel Processing Letters, Vol. 14, No. 2, June 2004. World Scientific.). We extend that work with new heuristics and experimental results.

Keywords: Task scheduling, Storage requirement, Periodic scheduling, Task parallelism

[338]

Soraya Zertal and Peter G Harrison. Investigating flash memory wear levelling and execution modes. In International Symposium on Performance Evaluation of Computer & Telecommunication Systems (SPECTS), pages 81--88, 2009.

[339]

Soraya Zertal, Claude Timsit, and Majed Chatti. Communication / synchronisation mechanism for multiprocessor on chip architectures. In IEEE Workshop on Performance

Evaluation of Communications in Distributed systems and Web Based Service Architectures, 2009.

[340]

Bazarragchaa Barsbold, Ider Tseveendorj, Catherine Roucairol, Bertrand Le Cun, François Galea, and Rentsen Enkbat. A complex search technique for solving the quadratic assignment problem. In International Conference on Multimedia, Information Technology and its Applications (MITA), pages 119--123, Japan, 2009.

[341]

Alain Bui, Olivier Flauzac, and Cyril Rabat. Fully distributed and fault tolerant task management based on diffusions. In 16th International Conference on Parallel, Distributed and network-based Processing (PDP), pages 355--360. IEEE CS Press, 2009.

[342]

Alain Bui, Abdurusul Kudireti, and Devan Sohier. A fully distributed clustering algorithm based on random walks. In 8th International Symposium on Parallel and Distributed Computing (ISPDC), pages 125--128. IEEE CS Press, 2009.

[343]

Rentsen Enkbat, Ider Tseveendorj, and Altannar Chinchuluun, editors. Optimization : A Journal of Mathematical Programming and Operations research, volume 58. Taylor & Francis Ed., 2009.

[344]

Didier Colin. Spam Filtering: Optimization Approaches to Content-based filtering. PhD thesis, Université de Versailles-St Quentin, 2009.

[345]

Didier Colin, Ider Tseveendorj, and Catherine Roucairol. A selective learning approach for spam filtering. In MIT SPAM Conference, page 18, USA, 2009. MIT Publisher.

[346]

Ider Tseveendorj and Dominique Fortin. Proceedings of the First Word Congress on Global Optimization in Engineering & Science (WCGO), volume 12 (B), chapter Escaping from a local solution region of convex maximization problem, pages 943--948. Lecture Notes in Decision Sciences, Global-Link Publisher, Hong-Kong, London, Tokyo, chinese academy of sciences, wgco proceedings edition, 2009.

[347]

Dominique Fortin and Ider Tseveendorj. A trust branching path heuristic for zero-one programming. European Journal of Operational Research, 197(2):439--445, 2009.

[348]

François Galea and Bertrand Le Cun. Gestion des symétries dans une résolution exacte de l'affectation quadratique à trois dimensions. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2009.

[349]

Y. Chetoui and Jalel Ben-Othman. Estimation of the useful channel occupation in 802.11 g ad- hoc networks. In Proceedings of the IEEE Globecom 2008 Communications Software and Services Symposium (GC'08 AHSN), New Orleans, USA, December 2008.

[350]

G. Kounga and Ch. Schaefer. Non-repudiation for service accounting in ad hoc networks. In 7th international Workshop on Applications and Services in Wireless Networks ASWN 2008, Kassel, Germany, pages 116--121, October 2008.

[351]

Peter G. Harrison, Naresh M. Patel, and Soraya Zertal. Response time distribution of flash memory accesses. In International Conference on Performance Evaluation Methodologies and Tools (Valuetools), Athens (Grece), October 2008.

[352]

Jalel Ben-Othman, Hind Castel-Taleb, and Lynda Mokdad. A multiservices mac protocol in a multi-channel csma/ca for ieee 802.11 networks. Journal of Communications Networks, 10(3):1--10, September 2008.

[353]

N. Zangar, S. Tabbane, and Samir Tohme. Resource allocation and performance analysis in sumts network. In IEEE International conference VTC 2008 FALL, Calgary, Alberta, September 2008.

[354]

Peter Harrison and Soraya Zertal. Bus modelling in zoned disks raid storage systems. In International workshop on Practical Applications of stochastic Modeling (PASM), Palma (Spain), September 2008. Elsevier's ENTCS (Electronic Notes in Theoretical Computer Science).

[355]

Sahar Ghazal, Yassine Hadjadj Aoul, Jalel Ben-Othman, and Farid Nait-Abdesselam. Applying a self-configuring admission control algorithmin a new qos architecture for ieee 802.16 networks. In ISCC-IEEE symposium on Computers and Communications, June 2008.

[356]

R. Dusseaux, K. Ait Braham, and N. Emad. Eigenvalue system for the scattering from rough surfaces saving in computation time by a physical approach. In 5th International Workshop on Parallel Matrix Algorithms and Applications (PMAA'08), pages 1--4, Neuchâtel, Switzerland, June, 20-22 2008.

[357]

Soraya Zertal and Peter Harrison. Non-linear seek distance for optimal accuracy of zoned disks seek time in multi-raid storage systems. In High Performance Computing &

Simulation (HPCS08) Conference., Nicosia (Cyprus), June 2008. ECMS.

[358]

M. Abdennabi and Samir Tohme. Pdsma: Pseudo-deterministic statistical multiple access for voice packets uplink scheduling. In IEEE International conference on Communications, ICC 2008, Beijing, China, pages 2287--2292, May 2008.

[359]

Amir Djouama and Daniel Negru. Introducing ambient technologies in b3g systems for next generation ip driven mobile services platforms. In IEEE-TTTC International conference on Automation, Quality & Testing, Robotics (AQTR 2008), Cluj- Napoca, Romania, May 2008.

[360]

Sahar Ghazal, Lynda Mokdad, and Jalel Ben-Othman. Performance analysis of ugs, rtps, nrtps admission control in wimax networks. In IEEE ICC International conference on Communications, Beijing, China, May 2008.

[361]

Th. Walter, Ch. Schaefer, G. Kounga, and M. Hamatsu. Evidence gathering for remuneration of shared connections. In Sixth Annual Conference on Communication Networks and Services Research CNSR 2008, Halifax, Canada, pages 569--576, May 2008.

[362]

Jalel Ben-Othman, Farid Nait-Abdesselam, Lynda Mokdad, and O. Ramirez. Performance evaluation of tcp handoffs over mobile ip connections). In The 6th ACS /IEEE International conference on Computer Systems and Applications (AICCSA'08), March 2008.

[363]

W.B. Diab, Samir Tohme, and C. Bassil. Vpn analysis and new perspective for securing voice over vpn networks. In IEEE Fourth International Conference on Networking and Services ICNS 2008 Proceedings, Gosier, Guadeloupe, pages 73--78, March 2008.

[364]

W.B. Diab, Samir Tohme, and C. Bassil. Vpn solution for securing voice over third networks. In in International Conference on Internet Multimedia Services Architecture and Application ISMAA, pages 73--78, Bangalore, India, March 2008.

[365]

Amir Djouama, M. Abdennabi, and Samir Tohme. Optimizing resources utilization in heterogeneous wireless networks. In IEEE/ACS International Conference on Computer Systems and Applications AICCSA'08, Doha, Qatar, pages 987--992, March 2008.

[366]

Marwen ABDENNEBI. Réseaux cellulaires auto-configurables: plan, contrôle et accés

usager. PhD thesis, Université de Versailles, laboratoire Prism, 2008.

[367]

M. Abdennnebi, M. Ibrahim, and Samir Tohme. Enhancing mac ieee 802.16 voice support with statistical multiple access for umts integration. In IEEE Consumer Communications & Networking conference, CCNC 2008, Las Vegas, USA, pages 30--35, January 2008.

[368]

Sahar Ghazal and Jalel Ben-Othman. Quality of Service (QoS) Challenges in WiMAX Networks, chapter no. ISTE Hermes and Wiley & Sons, 2008.

[369]

Sahar Ghazal, Lynda Mokdad, and Jalel Ben-Othman. A real time adaptive scheduling scheme for multi-service flows in wimax networks. In Proceedings of the IEEE Globecom 2008 Communications Software and Services Symposium (GC'08 CSS), New Orleans, USA, 29th, December 2008.

[370]

Marc Ibrahim, M. Abdennnebi, and Samir Tohme. Dynamic spectrum allocation algorithms. Technical Report D2.1.3 Measurements of propagation and cohabitation in îledeFrance. URC Project, PRISM/UVSQ, 2008.

[371]

M. Ibrahim, Kinda Khawam, and Samir Tohme. Analytical framework dimensioning hierarchical wimax- wifi networks. Computer Networks, 2008.

[372]

M. Ibrahim, Kinda Khawam, A. Semhat, and Samir Tohme. Dimensioning hierarchical wimax-wifi networks. In IEEE CCNC, Las Vegas, USA, pages 48--53, January 2008.

[373]

G. Kounga, S. Lachmund, and Th. Walter. Proving the reliability of anonymous information in vanet. IEEE Transcations on Vehicular Technology, 2008.

[374]

G. Kounga and Ch. Schaefer. Selling multimedia resources in ad hoc networks. IEEE Communications Magazine, pages 126--131, 2008.

[375]

Bashir Yahia and Jalel Ben-Othman. Routing and QoS in adhoc networks, chapter No. Auerbach Publications, 2008.

[376]

Bashir Yahia and Jalel Ben-Othman. An energy efficient hybrid medium access control scheme for wireless sensor networks with quality of service guarantees. In Proceedings of the IEEE Globecom 2008 Communications Software and Services Symposium (GC'08 AHSN), New Orleans, USA, 29th, December 2008.

[377]

Samir Ammenouche, Sid-Ahmed-Ali Touati, and William Jalby. Practical precise evaluation of cache effects on low level embedded vliw computing. In High Performance Computing and Simulation Conference (HPCS), Nicosia, Cyprus, jun 2008. ECMS. Prix du meilleur article.

[378]

Mounira Bachir, Sid-Ahmed-Ali Touati, and Albert Cohen. Post-pass periodic register allocation to minimise loop unrolling. In Conference on Languages, Compilers, and Tools for Embedded Systems (LCTES), Tucson, Arizona, jun 2008. ACM.

[379]

Denis Barthou. Contribution à l'optimisation de codes et à la génération de bibliothèques hautes performances. PhD thesis, Université de Versailles SaintQuentin en Yvelines, jan 2008. Habilitation à diriger les recherches.

[380]

Henri Pierre Charles. Contributions à la génération de code d'applications numtimédia sur processeurs spécialisé. PhD thesis, Université de Versailles, laboratoire Prism, 2008.

[381]

Olivier Delannoy. YML: A Scientific Workflow for High Performance Computing. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2008.

[382]

Karine Deschinkel and Sid-Ahmed-Ali Touati. Efficient method for periodic task scheduling with storage requirement minimization. In Proceedings of Annual International Conference on Combinatorial Optimization and Applications (COCOA), Lecture Notes in Computer Science, Saint Johns, Newfoundland, Canada, Aug. 2008. Springer-Verlag.

[383]

Lamia Djoudi, Jean-Thomas Acquaviva, and Denis Barthou. Compositional approach applied to loop specialization. Concurrency and Computation: Practice and Experience, 2008.

[384]

Lamia Djoudi and William Jalby. Performance management using a rapid and practical method. In Explicitly Parallel Instruction Computing Architectures and Compiler Technology (EPIC-7), Boston, Massachusetts, 2008. held in conjunction with CGO 2008.

[385]

Lamia Djoudi and William Jalby. Automatic analysis for managing and optimizing performance- code quality. In Static Analysis Workshop (SAW), Tucson, Arizona, USA, 2008. in conjunction with PLDI08.

[386]

Lamia Djoudi, Jose Noudohouenou, and William Jalby. Maqao: Module for detecting analyzing and fixing performance problem. In Tools Infrastructures and Methodologies for

the Evaluation of Research Systems (TIMERS), Austin, Texas, USA, 2008. held in conjunction with ISPASS 2008.

[387]

N. Emad, H.-P. Charles, and J. Dubois. Impact de la représentation 32 ou 64 bits des données sur le temps de calcul. Technical report, UVSQ-TOTAL, 2008. Rapport d'analyse et de tests pour le contrat d'étude R & D numéro FR00002907.

[388]

Manuel Juliachs. Rendu volumique parallèle hybride de maillages non structurés. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, Oct. 2008. PhD funded by CEA-DAM, co-advised by Jalby, William and Charles, Henri-Pierre.

[389]

Minhaj Ahmad Khan, Henri-Pierre Charles, and Denis Barthou. Improving performance of optimized kernels through fast instantiation of templates. *Concurrency and Computation : Practice and Experience*, 2008.

[390]

Minhaj Ahmad Khan, Henri-Pierre Charles, and Denis Barthou. Optimizing code through iterative specialization. In *Symposium on Applied Computing (SAC)*, pages 206--210, New York, NY, USA, 2008. ACM.

[391]

Minhaj Ahmad Khan. Techniques de Spécialisation de Code pour des Architectures Hautes Performances. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2008. PhD grant by Pakistan and industrial contract. Coadvised by Jalby, William and Charles, Henri-Pierre. Currently, M. Khan is assistant professor at the university of Multan (Pakistan).

[392]

Emmanuel Oseret. Analyse et conception d'algorithmes et d'architectures embarqués à bord de satellites d'observation spatiale- Application au satellite GAIA et généralisation à la compression d'images astronomiques. PhD thesis, Université de Versailles SaintQuentin en Yvelines, 2008. PhD grant MNERT.

[393]

Soraya Zertal. A reliability enhancing mechanism for a large flash embedded satellite storage system. In *International Conference on Systems (ICONS)*, 2008, pages 345--350, 2008. Best paper award.

[394]

Stephane Zuckerman, Manuel Perache, and William. Jalby. Fine tuning matrix multiplications on multicore. In *International Conference on High Performance Computing (HiPC)*, Bengalore, India, 2008.

[395]

Thibault Bernard, Alain Bui, and Devan Sohier. Une approche probabiliste pour un problème de contrôle distribué. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2008.

[396]

Thibault Bernard, Alain Bui, and Devan Sohier. Token loss detection for random walk based algorithm. In 7th International Symposium on Parallel and Distributed Computing (ISPDC), pages 351--356, 2008.

[397]

Theodore P. Bakera, Alain Bui, and Sébastien Tixeuil, editors. Principles of Distributed Systems, 12th int. conference (OPODIS), volume 5401 of Lecture Notes in Computer Science. Springer, 2008.

[398]

Ider Tseveendorj, Catherine Roucairol, Bertrand Le Cun, François Galea, Bazarragchaa Barsbold, and Rentsen Enkhbat. A Complex Search Technique for Solving the Quadratic Assignment Problem. In 4th International Conference on Generalized Solutions in Control Problems (GSCP), page 140, Russia, 2008.

[399]

Michaël Krajecki, Christophe Jaillet, and Alain Bui. Parallel tree search for combinatorial problems: a comparative study between OpenMP and MPI. *Studia Informatica Universalis*, 6(3):274--312, 2008.

[400]

Alain Bui and Devan Sohier. How to compute times of random walks based distributed algorithms. CoRR, abs/0807.3632, 2008.

[401]

Karine Deschinkel and Johanne Cohen. Arrangement linéaire minimal des graphes d'intervalles. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2008.

[402]

Didier Colin, Ider Tseveendorj, and Catherine Roucairol. Optimisation des filtres anti-spam : une méta-heuristique pour l'apprentissage sélectif. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2008.

[403]

Didier Colin, Ider Tseveendorj, and Catherine Roucairol. Optimizing spam filters. In 21st Conference of the European Chapter of Combinatorial Optimization (ECCO), Croatia, 2008.

[404]

Didier Colin, Ider Tseveendorj, and Catherine Roucairol. Optimization methods for spam

filtering. In International Workshop on Operational Research (IWOR), Spain, 2008.

[405]

Didier Colin, Ider Tseveendorj, and Catherine Roucairol. A selective learning approach for spam filtering. In 18th triennal conference of the International Federation of Operation Research (IFORS), South Africa, 2008.

[406]

Karine Deschinkel and Sid Ahmed Ali Touati. A two-phases heuristic for the problem of periodic scheduling with storage minimisation. In 21st Conference of the European Chapter of Combinatorial Optimization (ECCO), Croatia, 2008.

[407]

Karine Deschinkel and Sid Ahmed Ali Touati. Efficient method for periodic task scheduling with storage requirement minimisation. In 2nd International Conference on Combinatorial Optimization and Applications (COCOA), volume 5165 of Lecture Notes in Computer Science, pages 438--447, Canada, 2008. Springer-Verlag.

[408]

Karine Deschinkel, François Galea, C. Louat, and Catherine Roucairol. Intégration de méthodes de coupes : Librairies glop et glock. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2008.

[409]

Karine Deschinkel, François Galea, and Catherine Roucairol. Basics for vector implantation schemes in HDR brachytherapy using a new linear programming model. Asia-Pacific Journal of Operational Research (APJOR), 2008.

[410]

François Galea, Peter Hahn, and Bertrand Le Cun. A parallel implementation of the three-dimensional quadratic assignment problem. In 21st Conference of the European Chapter of Combinatorial Optimization (ECCO), Croatia, 2008.

[411]

Thierry Mautor and Catherine Roucairol. Vehicle routing for a reverse logistics problem. In 21st Conference of the European Chapter of Combinatorial Optimization (ECCO), Croatia, 2008.

[412]

Catherine Roucairol. Plenary talk: Exact solution of the quadratic assignment problem. In 21st Conference of the European Chapter of Combinatorial Optimization (ECCO), Croatia, 2008.