

# LI-PA

Laborat  
parallélisme, réseaux, alg

## 2012

[131]

Thomas Dufaud and Damien Tromeur-Dervout. Efficient parallel implementation of the fully algebraic multiplicative Aitken-RAS preconditioning technique. *Advances in Engineering Software*, 53:33--44, November 2012. Réalisé à l'ICJ - UMR 5208.

Keywords: Domain decomposition ; Restricted Additive Schwarz preconditioner ; Aitken-Schwarz method ; Parallel computing

[132]

Marc Tchiboukdjian, Patrick Carribault, and Marc Pérache. Hierarchical local storage: Exploiting flexible user-data sharing between MPI tasks. In *Parallel Distributed Processing Symposium (IPDPS), 2012 IEEE 26th International*, pages 366--377, May 2012. Rang A.

Keywords: application program interfaces;data handling;message passing;parallel programming;shared memory systems;C languages;C++ languages;Fortran languages; HLS;MPI tasks;Open MP;core ratio;data sharing;diminishing memory;exploiting flexible user data sharing;hierarchical local storage;multiple programming models;open MP programming model;overall memory consumption;parallel semantics;shared memory

programming model;Computational modeling;Data models;Instruction sets;Memory management;Multicore processing;Programming;Semantics;High-Performance Computing;Memory Consumption;Parallel Programming Model

[133]

Hamieh Ali. La sécurité dans les réseaux sans fil Ad-hoc : Les attaques jamming et les noeuds greedy. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, laboratoire PRISM, 2012.

[134]

Jalel Ben Othman, Karim Bessaoud, Alain Bui, and Laurence Pilard. Self-stabilizing algorithm for efficient topology control in wireless sensor networks. *Journal of Computational Science*, 2012.

[135]

Jalel Ben-Othman, Jean-Pierre Claude, and Yesica Imelda Saavedra Benitez. A novel mechanism to secure internal attacks in HWmp routing protocol. In *Proceedings of IEEE International Conference on Communications, ICC 2012, Ottawa, ON, Canada, June 10-15, 2012, pages 162--166, 2012.*

[136]

Sahar Ghazal, Jalel Ben-Othman, and Jean-Pierre Claude. Traffic management based on token bucket mechanism for WiMAX networks. *Cluster Computing*, 15(4):391--400, 2012. Special Issue: ICISA 2010; Guest Editors: Alfredo Cuzzocrea, Donghwi Lee, Pascal Lorenz, and Yasushi.

[137]

Ali Hamieh. Powjam: A power reaction system against jamming attacks in wireless ad hoc networks. In *9th Annual Conference on Wireless On-demand Network Systems and Services, WONS 2012, Courmayeur, Italy, January 9-11, 2012., 2012.*

[138]

Peter Harrison, Sarah K. Harrison, Naresh Patel, and Soraya Zertal. Storage workload modelling by hidden Markov models: Application to flash memory. *Performance Evaluation*, 69(1):17--40, 2012.

[139]

Kabalan Hassan, Haydar Jamal, Gueroui Mourad, Fahs Walid, and Abbas Hijazi. An enhanced backoff method used between mobiles moving in industrial 802.11. *IJCSI International Journal of Computer Science Issues*, 9, Issue 1, No 2, 2012.

[140]

Kinda Khawam, Johanne Cohen, Dana Marinca, and Samir Tohme. Elastic game based radio resource management. In *Proceedings of the 75th IEEE Vehicular Technology Conference, VTC Spring 2012, Yokohama, Japan, May 6-9, 2012, pages 1--5, 2012.*

[141]

Kinda Khawam, Johanne Cohen, Dana Marinca, and Samir Tohme. Semi-distributed radio resource management for elastic traffic in a hybrid network. In 2012 IEEE Wireless Communications and Networking Conference, WCNC 2012, Paris, France, April 1-4, 2012, pages 2659--2664. IEEE, 2012.

[142]

Nabila Labraoui, Abdelhak Gueroui, and Makhlouf Aliouat. Secure dv-hop localization scheme against wormhole attacks in wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 23(4):303--316, 2012.

[143]

Nabila Labraoui, Mourad Gueroui, and Aliouat Makhlouf. Proactive Defense-Based Secure Localization Scheme in Wireless Sensor Networks, pages 603-618. Digital Information and Communication Technology and Its Applications, 2012.

[144]

Hassan M.M. and Gueroui A. Improvement of qos by dynamic reallocation of the mesh deterministic access in wireless mesh networks IEEE 802.11s. In IEEE 2012 International Conference on Communications and Information Technology (ICCIT), Hammamet, 26-28 June, 2012, pages 215--2019. IEEE, 2012.

[145]

D. Marinca, A. Hamieh, D. Barth, K. Khawam, D. De Vleeschauwer, and Y. Lelouédec. Cache management using temporal pattern based solicitation for content delivery. In 19th International Conference on Telecommunications - ICT 2012 - Jounieh, Lebanon, 23-25 April 2012, pages 1--6, 2012.

[146]

F. Moety, M. Ibrahim, S. Lahoud, and K. Khawam. Distributed heuristic algorithms for rat selection in wireless heterogeneous networks. In 2012 IEEE Wireless Communications and Networking Conference, WCNC 2012, Paris, France, April 1-4, 2012, pages 2220--2224. IEEE, 2012.

[147]

Labraoui Nabila. La sécurité dans les réseaux sans fil Ad-hoc : Agrégation de données et Localisation. PhD thesis, Université de Tlemcen (Algérie), 2012.

[148]

Rola Naja. Convergence through All IP Networks, chapter Vehicular NetworksArchitecture, Protocols and Standards. Pan Stanford, 2012.

[149]

Ould Cheikh S. and Gueroui A. Multi-hop bandwidth reservation in wmn-based IEEE 802.11s (mbrwmn). In IEEE 2012 International Conference on Communications and Information Technology (ICCIT), Hammamet, 26-28 June, 2012, pages 211--215. IEEE, 2012.

[150]

Nicolas Benoit. Etude des compilateurs backend spécifiques pour les processeurs dédiés des systèmes multiprocesseurs sur puce. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2012. Thèse a été financée par le CEA DRT et s'est déroulée au sein du CEA DRT.

[151]

Andres CharifRubial. Analyse et optimisation de performances sur architectures multicœurs. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2012.

[152]

Makarem Dandouna. Bibliothèques numériques réutilisables pour le calcul distribué à grande échelle. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2012.

[153]

Florian Dang, Nahid Emad, and Pierre Fiorini. Toward reusable numerical library for solving hamilton-jacobi-bellman (hjb) equations. In 7th International Workshop on Parallel Matrix Algorithms and Applications (PMAA 2012), 28-30 June 2012, Birkbeck University of London, UK, 2012.

[154]

Pablo De Oliveira Castro, Eric Petit, Jean Christophe Beyler, and William Jalby. ASK: Adaptive sampling kit for performance characterization. In Euro-Par'12: Proceedings of the 18th International Conference on Parallel Processing. Springer-Verlag, 2012.

[155]

Sylvain Didelot, Patrick Carribault, Marc Pérache, and William Jalby. Improving MPI communication overlap with collaborative polling. In JesperLarsson Träff, Siegfried Benkner, and JackJ. Dongarra, editors, Recent Advances in the Message Passing Interface, volume 7490 of Lecture Notes in Computer Science, pages 37--46. Springer Berlin Heidelberg, 2012. Rang C.

Keywords: HPC; Overlap; MPI; High-Speed Network; Polling

[156]

Julien Jaeger. Transformations sourceàsource pour l'optimisation de codes irréguliers et multithreads. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, laboratoire PRISM, 2012.

[157]

William Jalby, David C. Wong, David J. Kuck, Jean-Thomas Acquaviva, and Jean-Christophe Beyler. High-Performance Scientific Computing, chapter Measuring Computer Performance, pages 75--95. Springer Verlag, 2012.

[158]

Aurèle Mahéo, Souad Kolai, Patrick Carribault, Marc Pérache, and William Jalby. Adaptive openmp for large numa nodes. In IWOMP'12: Proceedings of the 8th

international Conference on OpenMP in a Heterogeneous World. Springer-Verlag, 2012.

[159]

Aurèle Mahéo, Souad Koliaï, Patrick Carribault, Marc Pérache, and William Jalby.

Adaptive openmp for large numa nodes. In BarbaraM. Chapman, Federico Massaioli, MatthiasS. Müller, and Marco Rorro, editors, OpenMP in a Heterogeneous World, volume 7312 of Lecture Notes in Computer Science, pages 254--257. Springer Berlin Heidelberg, 2012.

[160]

Abdelhafid Mazouz. Une étude empirique des performances des applications OpenMP sur plateformes multicoeurs. PhD thesis, Université de Versailles, laboratoire Prism, 2012.

[161]

Eric Petit, Pablo de Oliveira Castro, Tarek Menouer, Bettina Krammer, and William Jalby. Computing-kernels performance prediction using dataflow analysis and microbenchmarking. In 16th Workshop on Compilers for Parallel Computing (CPC 2012), Padova, Italy, January 2012.

[162]

Soraya Zertal. Using solid state disks for HPC applications. In International Conference on Computing, Networking and Digital Technologies (ICCNDT), 2012, pages 226--134, 2012.

[163]

Murat Ahat, Coralie Petermann, Yann Vigile Hoareau, Soufian Ben Amor, and Marc Bui. Algorithme automatique non supervisé pour le deft 2012. In DÉfi Fouille de Textes (DEFT), pages 73--80, 2012.

[164]

Said Fouchal, Murat Ahat, Soufian Ben Amor, Ivan Lavallée, and Marc Bui. Competitive clustering algorithms based on ultrametric properties. Journal of Computational science, 2012.

[165]

Jalel Ben-Othman, Karim Bessaoud, Alain Bui, and Laurence Pilard. Self-stabilizing algorithm for efficient topology control in wireless sensor networks. Journal of Computational Science, 2012.

[166]

Guillaume Guerard, Soufian Ben Amor, and Alain Bui. A complex system approach for smart grid analysis and modeling. In Advances in Knowledge-Based and Intelligent Information and Engineering Systems - 16th Annual KES Conference, volume 243, pages 788--797, Spain, 2012. IOS Press.

[167]

Guillaume Guérard, Soufian Ben Amor, and Alain Bui. Approche système complexe pour

la modélisation des smart grids. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), pages 263--264, 2012.

[168]

Guillaume Guérard, Soufian Ben Amor, and Alain Bui. Survey on smart grid modelling. *International Journal of Systems, Control and Communications*, 4(4):262--279, 2012.

[169]

Coralie Petermann, Soufian Ben Amor, and Alain Bui. A complex system approach for a reliable smart grid modeling. In *Advances in Knowledge-Based and Intelligent Information and Engineering Systems - 16th Annual KES Conference*, volume 243, pages 149--158, Spain, 2012. IOS Press.

[170]

Coralie Petermann, Soufian Ben Amor, and Alain Bui. Approches théoriques pour la modélisation efficace de smart grids. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), pages 460--461, 2012.

[171]

Coralie Petermann, Soufian Ben Amor, and Alain Bui. A pretopological multi-agents based model for an efficient and reliable smart grid simulation. In *14th International Conference on Artificial Intelligence (ICAI)*, pages 354--360, USA, 2012.

[172]

Thibault Bernard, Alain Bui, Laurence Pilard, and Devan Sohier. A distributed clustering algorithm for large-scale dynamic networks. *Cluster Computing*, 15(4):335--350, 2012.

[173]

Alain Bui, Simon Clavière, and Devan Sohier. A top-down algorithm for clustering in large-scale distributed networks. In *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA)*, pages 632--638. CSREA Press, 2012.

[174]

Soufian Ben Amor and Marc Bui. Complex system approach in modeling airspace congestion dynamics. *Journal of Air Transport Studies*, 3(1):39--56, 2012.

[175]

Yann Hermans, Bertrand Le Cun, and Alain Bui. Individual decisions & schedule planner in a vehicle-to-grid context. In *International Electric Vehicle Conference (IEVC)*, pages 1--6, USA, 2012. IEEE CS Press.

[176]

Alain Bui, Abdurusul Kudireti, and Devan Sohier. An adaptive random walk-based distributed clustering algorithm. *International Journal of Foundations on Computer Science*, 23(4):803--830, 2012.

[177]

Coralie Petermann, Vincent Levorato, and Marc Bui. Structuration unilatéralement-connexe prétopologique : une extension de la librairie pretopoLIB. In *Veille Stratégique, Scientifique et Technologique (VSST)*, 2012.

[178]

Raoul Velazco, Wassim Mansour, Fabrice Pancher, Greicy Marques-Costa, Devan Sohier, and Alain Bui. Improving SEU fault tolerance capabilities of a self-converging algorithm. *IEEE Transactions on Nuclear Science*, 59(4):818--823, 2012.

[179]

Simon Claviere. Clustering hiérarchique et adaptatif à base de marches aléatoires. PhD thesis, Université de Versailles-St Quentin, 2012.

[180]

Alberto Costa. Applications of Reformulations in Mathematical Programming. PhD thesis, École Polytechnique (co-encadrement par Ider Tseveendorj de l'Université de Versailles-St Quentin), 2012.

[181]

Alberto Costa and Ider Tseveendorj. Symmetry breaking constraints for the problem of packing equal circles in a square. In *1st International Conference on Operations Research and Enterprise Systems (ICORES)*, pages 5--10, 2012.

[182]

Eric Petit, Pablo De Oliveira Castro, Tarek Menouer, Bettina Krammer, and William Jalby. Computing-kernels performance prediction using dataflow analysis and microbenchmarking. In *16th Workshop on Compilers for Parallel Computing (CPC)*, Italy, 2012.

[183]

Rentsen Enkhbat and Ider Tseveendorj. Special issue: Control and optimization. *Optimization Letters*, 6(7):1219--1220, 2012.

[184]

Dominique Fortin and Ider Tseveendorj. Attractive force search algorithm for piecewise convex maximization problem. *Optimization Letters*, 6(7):1317--1333, 2012.

[185]

Yann Hermans, Sébastien Lannez, Bertrand Le Cun, and Jean-Christophe Passelergue. Optimizing electrical vehicle charging cycle to increase efficiency of electrical market participants. In *International Annual Conference of the German OR Society*, 2012.

[186]

Yann Hermans, Sébastien Lannez, Bertrand Le Cun, and Jean-Christophe Passelergue. Optimisation des cycles de charge des véhicules électriques pour améliorer l'efficacité des acteurs du marché de l'énergie. In *congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF)*, 2012.

[187]

Bertrand Le Cun, Thierry Mautor, and Edith Naudin. Modélisations et optimisations de la conception d'offre de transport de passagers. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2012.

[188]

Bertrand Le Cun, Thierry Mautor, Franck Quessette, and Marc-Antoine Weisser. Problème de bin-packing avec minimisation de la fragmentation d'objets. In congrès annuel de la Société Française de la Recherche Opérationnelle et d'Aide à la Décision (ROADEF), 2012.

[189]

Tarek Menouer, Bertrand Le Cun, and Pascal Vander-Swalmen. Solving combinatorial problems on HPC with bobpp. In WolfHPC (SuperComputing Workshop), USA, 2012.

[190]

César Rego. Heuristic search and learning for combinatorial optimization. Hdr, Université de Versailles-St Quentin, 2012.

[191]

Devan Sohier, Giorgos Georgiadis, Simon Clavière, Marina Papatriantafidou, and Alain Bui. Physarum-inspired self-biased walkers for distributed clustering. In 16th International Conference on Principles of Distributed Systems (OPODIS), pages 315--329. Lecture Notes in Computer Science, Springer, 2012.

[192]

Ider Tseveendorj. Optimization, Simulation and Control, volume 76 of Springer Optimization and Its Application (SOIA), chapter Mathematical Programs with Equilibrium Constraints: A Brief Survey of Methods and Optimality Conditions. Springer, 2012.