

2014

[33]
Andres S. Charif-Rubial, Emmanuel Oseret, Jose Noudohouenou, William Jalby, and Ghislain Lartigue. Cqa: A code quality analyzer tool at binary level. In High Performance Computing (HiPC), 2014 21st International Conference on, pages 1--10, December 2014. Keywords: Analytical models;Computer architecture;Estimation;Measurement;Pipelines; Program processors;Registers;performance evaluation;performance modeling;static analysis;vectorization
[34]
N. Emad. Unite and Conquer Approach for Large Scale Numerical Computing. In Workshop on Latest Advances in Scalable Algorithms for Large-Scale Systems (ScalA), SuperComputing (SC14), New Orleans, LA, USA, November 2014.
[35]
N. Emad. High Performance Computing for Simulation of Epidemic Spread. In Session Broader Engagment (BE), SuperComputing (SC14), New Orleans, LA, USA, November 2014.
[36]

N. Emad. Big Data, Page Ranking and Medical Applications. In L'évènement annuel BigDataWeek: A Global Festival of Data, Faculté Polytechnique, UMONS, Mons, Belgique, Mai 7th 2014.
[37]
N. Emad. Big Data, Page Ranking and Application . In 33ème Forum ORAP, Siège du CNRS á Paris, France, 10 Avril 2014.
[38]
Mubashir H. and Gueroui M. Interactive and ubiquitous video streaming over wireless mesh networks. Journal of King Saud University Computer and Information Sciences, March 2014.
[39]
A. Adouane, K. Khawam, J. Cohen, D. Marinca, and S. Tohmé. Replicator dynamics for distributed inter-cell interference coordination. In ISCC, pages 1--7, 2014.
[40]
M. Yassin, S. Lahoud, M. Ibrahim, and K. Khawam. A downlink power control heuristic algorithm for lte networks. In ICT, pages 323--327, 2014.
[41]
M. El Helou, M. Ibrahim, S. Lahoud, and K. Khawam. Optimizing network information for radio access technology selection. In ISCC, pages 1--6., 2014.
[42]
F. Moety, S. Lahoud, B. Cousin, and K. Khawam. Joint power-delay minimization in 4g wireless networks. In Wireless Days, pages 1--8, 2014.
[43]
Samir Tohme Naila Bouchemal, Nora Izri. Mac-lte scheduler modeling and performance evaluation in lte network,. In PIMRC, 2014.
[44]
K. Khawam, A. Adouane, S. Lahoud, J. Cohen, and S. Tohmé. Game theoretic framework for power control in intercell interference coordination. In Networking, pages 1--8, 2014.
[45]
Malik Mubashir Hassan. Management of Quality of Service in Wireless Mesh Networks. Ph.D. thesis,. PhD thesis, Université de Versailles, laboratoire PRiSM, 2014.
[46]
A. Adouane, L. Rodier, K. Khawam, J. Cohen, and S. Tohmé. Game theoretic framework for inter-cell interference coordination. In WCNC, pages 57--62, 2014.
[47]
Sylvain Didelot. Amélioration de la consommation mémoire et de l'extensibilité des performances des applications HPC par le multi-threading des communications réseau.

PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2014.
[48]
Sebastien Valat. Contribution à l'am'elioration des m'ethodes d'optimisation de la gestion de la m'emoire dans le cadre du Calcul Haute Performance. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2014.
[49]
Jean Baptiste Besnard. Profilage et débogage par prise de traces efficaces d'applications hybrides multi-threadées HPC. PhD thesis, Université de Versailles Saint-Quentin en Yvelines, 2014.
[50]
Zakaria Bendifallah, William Jalby, José Noudohouenou, Emmanuel Oseret, Vincent Palomares, and AndresCharif Rubial. PAMda: Performance assessment using maqao toolset and differential analysis. In Andreas Knupfer, José Gracia, Wolfgang E. Nagel, and Michael M. Resch, editors, Tools for High Performance Computing 2013, pages 107--127. Springer International Publishing, 2014.
[51]
Florian Dang and Nahid Emad. Fast Iterative Method in Solving Eikonal Equations: A Multi-level Parallel Approach. In Proceedings of the International Conference on Computational Science, ICCS 2014, Cairns, Queensland, Australia, 10-12 June, 2014, pages 1859--1869, 2014.
[52]
Sylvain Didelot, Patrick Carribault, Marc Pérache, and William Jalby. Improving MPI communication overlap with collaborative polling. Computing, 96(4):263--278, 2014.
Rang A.
[53]
Thomas Dufaud. A two-level preconditioning framework based on a Richardson iterative process. In Jocelyne Erhel, Martin Gander, Laurence Halpern, Géraldine Pichot, Taoufik Sassi, and Olof Widlund, editors, Domain Decomposition Methods in Science and Engineering XXI, volume 98 of Lecture Notes in Computational Science and Engineering. Springer, 2014.
[54]
N. Emad. Paradigmes de programmation parallèle pour le calcul scientifique. In Calcul Intensif Distribué pour l'Industrie "CAIDI 2014", Université Paris 13, Campus de Villetaneuse, Paris, France, 22 janvier 2014.
[55]
Jean-Philippe Halimi, Benoit Pradelle, Amina Guermouche, and William Jalby. Forest-mn: Runtime DVFS beyond communication slack. In Green Computing Conference (IGCC), 2014 International, pages 1--6. IEEE, 2014.

[56]
Julien Jaeger, Peter Philippen, Eric Petit, Andres Charif Rubial, Christian Rössel, William Jalby, and Bernd Mohr. Binary instrumentation for scalable performance measurement of openmp applications. Parallel Computing: Accelerating Computational Science and Engineering (CSE), Advances in Parallel Computing 25, pages 783--792, 2014.
[57]
Zifan Liu, Nahid Emad, SoufianBen Amor, and Michel Lamure. PageRank Computation Using a Multiple Implicitly Restarted Arnoldi Method for Modeling Epidemic Spread. International Journal of Parallel Programming, pages 1--26, 2014.
Keywords: Epidemic; PageRank; Scale free networks; Power law; IRAM; Big data; Hypergraph partitioning
[58]
Aurèle Mahéo, Patrick Carribault, Marc Pérache, and William Jalby. Optimizing collective operations in hybrid applications. In Proceedings of the 21st European MPI Users' Group Meeting, EuroMPI/ASIA '14, pages 121:121--121:122, New York, NY, USA, 2014. ACM. Rang C.
Keywords: Collective Communications, MPI, OpenMP
[59]
Abdelhafid Mazouz, Alexandre Laurent, Benoît Pradelle, and William Jalby. Evaluation of CPU frequency transition latency. Computer Science-Research and Development, 29(3-4):187--195, 2014.
[60]
Abdelhafid Mazouz, Benoît Pradelle, and William Jalby. Statistical validation methodology of CPU power probes. In Euro-Par 2014: Parallel Processing Workshops, pages 487--498. Springer, 2014.
[61]
Pablo de Oliveira Castro, Yuriy Kashnikov, Chadi Akel, Mihail Popov, and William Jalby. Fine-grained Benchmark Subsetting for System Selection. In Proceedings of Annual IEEE /ACM International Symposium on Code Generation and Optimization, CGO '14, pages 132:132--132:142, New York, NY, USA, 2014. ACM.
[62]
Eric Petit, Loic Thebault, Nathalie Moller, William Jalby, and Quang Dinh. Task-based parallelization of unstructured meshes assembly using d& c strategy. In High Performance Computing and Communications, 2014 IEEE 6th Intl Symp on Cyberspace Safety and Security, 2014 IEEE 11th Intl Conf on Embedded Software and Syst (HPCC, CSS, ICESS), 2014 IEEE Intl Conf on, pages 874--877. IEEE, 2014.
[63]
Petiton, S., Sato, M., Emad, N., Calvin, C., Tsuji, M., and Dandouna, M. Multi level

programming Paradigm for Extreme Computing. In D. Caruge and C. Calvin and C.M. Diop and F. Malvagi and J.-C. Trama (Eds.), editor, SNA + MC 2013 - Joint International Conference on Supercomputing in Nuclear Applications and Monte Carlo, page 04305, 2014.
[64]
Benoît Pradelle, Nicolas Triquenaux, Jean Christophe Beyler, and William Jalby. Energy-centric dynamic fan control. Computer Science-Research and Development, 29(3-4):177--185, 2014.
[65]
Loïc Thebault, Eric Petit, Marc Tchiboukdjian, Quang Dinh, and William Jalby. Divide and conquer parallelization of finite element method assembly. Parallel Computing: Accelerating Computational Science and Engineering (CSE), Advances in Parallel Computing 25, 2014.
[66]
Soraya Zertal. A data layout strategy to enhance the internal ssd parallelism. In International Conference on Advances in Applied Science and Environmental Engineering (ASEE14), 2014.
[67]
Soraya Zertal. Exploiting the fine grain ssd internal parallelism for oltp and scientific workloads. In International Conference on High Performance Computing and Communication (HPCC), 2014.
[68]
Thomas Dufaud. A two-level preconditioning framework based on a Richardson iterative process. In Jocelyne Erhel, Martin Gander, Laurence Halpern, Géraldine Pichot, Taoufik Sassi, and Olof Widlund, editors, Domain Decomposition Methods in Science and Engineering XXI, volume 98 of Lecture Notes in Computational Science and Engineering. Springer, 2014. Réalisé chez INRIA Rennes.
[69]
D. Fortin and I. Tseveendorj. Q-subdifferential and Q-conjugate for global optimality. Computational Mathematics and Mathematical Physics, 54(2):265--274, 2014.
[70]
I.Tseveendorj and G.Guérard. Largest inscribed ball and minimal enclosing box for convex maximisation problems. In Mathematical and Applied Global Optimization, of the XII Global Optimization Workshop, Spain, 2014. Malaga Spain.
[71]
I.Tseveendorj. The maximal inscribed ball for global optimization. In 12th EUROPT workshop on Advances in Continuous Optimization, page 44, Perpignan, 2014. Perpignan.

[72]
Francois Avril, Thibault Bernard, Alain Bui, and Devan Sohier. Clustering and communications scheduling in WSN using mixed integer linear programming. Journal of Communications and Networks, 16(4):421--429, 2014.
[73]
François Avril, Thibault Bernard, and Alain Bui. Efficient communication scheduling in clustered WSN. In IEEE CS Press, editor, International Symposium on Computers and Communications, 2014.
[74]
S. Ben Amor, A. Bui, and G. Guérard. A context-free smart grid model using complex system approach. In IEEE/ACM 18th International Symposium on Distributed Simulation and Real Time Applications, pages 147--154. IEEE Computer Society, 2014.
[75]
Thibault Bernard. Mot circulant orienté : un outil pour juger la pérennité de la structure de communication. In Conférence nationale de la Recherche Opérationnelle et Aide à la Décision Française (ROADEF), 2014.
[76]
Z. Liu, N. Emad, S. Ben Amor, and M. Lamure. Pagerank computation using a multiple implicitly restarted arnoldi method for modeling epidemic spread. International Journal of Parallel Programming, (doi:10.1007/s10766-014-0344-3), 2014.