

1 Publications

International peer-reviewed conference proceedings [ACT]

2015

- [1] P. Francois Dutot, M. Poquet, and D. Trystram. Communication models insights meet simulations. In *Euro-Par workshops, HeteroPar - Algorithms, Models, and Tools for Parallel Computing on Heterogeneous Platforms, Vienna, Austria, august 24-25, 2015*.
- [2] P. Francois Dutot, É. Saule, A. Srivastav, and D. Trystram. Online non-preemptive scheduling to optimize stretch. In *MAPSP, 12th Workshop on Models and Algorithms for Planning and Scheduling Problems, La Roche sur Ardenne, Belgium, june 8-12, 2015*.
- [3] E. Gaussier, D. Glesser, V. Reis, and D. Trystram. Improving backfilling by using machine learning to predict running times. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis, SC 2015, Austin, USA, page 64, 2015*.
- [4] Y. Georgiou, D. Glesser, K. Rzacca, and D. Trystram. A Scheduler-Level Incentive Mechanism for Energy Efficiency in HPC. In *15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, CCGrid 2015, Shenzhen, China, May 4-7, 2015, pages 617–626, 2015*.
- [5] Y. Georgiou, D. Glesser, and D. Trystram. Adaptive Resource and Job Management for Limited Power Consumption. In *IEEE International Parallel and Distributed Processing Symposium Workshop, IPDPS 2015, Hyderabad, India, May 25-29, pages 863–870, 2015*.
- [6] Y. Georgiou, D. Glesser, and D. Trystram. Improving Job Scheduling by using Machine Learning. In *SLURM user group, Georges Washington Univ., USA, 15-16 sept., 2015*.
- [7] S. Kedad-Sidhoum, F. Monna, and D. Trystram. Scheduling Tasks with Precedence Constraints on Hybrid Multi-core Machines. In *IEEE International Parallel and Distributed Processing Symposium Workshop, IPDPS 2015, Hyderabad, India, May 25-29, pages 27–33, 2015*.
- [8] G. Lucarelli, F. Machado Mendonca, D. Trystram, and F. Wagner. Contiguity and Locality in Backfilling Scheduling. In *15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, CCGrid 2015, Shenzhen, China, May 4-7, 2015, pages 586–595, 2015*.
- [9] G. Lucarelli, D. Trystram, and F. Wagner. A generic approach for heterogeneous scheduling. In *ECCO 2015, the 28th Conference of the European Chapter on Combinatorial Optimization, Catania, Italy, May 28-30, 2015*.
- [10] D. Trystram. Handling Heterogeneity for Efficient Implementations : A Case Study on Sequence Comparison. In *IEEE International Parallel and Distributed Processing Symposium Workshop, IPDPS 2015, Hyderabad, India, May 25-29, pages 346–349, 2015*.
- [11] D. Trystram. Message from the HCW Program Committee Chair. In *2015 IEEE International Parallel and Distributed Processing Symposium Workshop, IPDPS 2015, Hyderabad, India, May 25-29, page 4, 2015*.

2014

- [12] R. Bleuse, T. Gautier, J. V. Ferreira Lima, G. Mounié, and D. Trystram. Scheduling data flow program in XKaapi : A new affinity based Algorithm for Heterogeneous Architectures. In *Proceedings of the 20th International Euro-Par Conference on Parallel Processing (Euro-Par'14)*, volume 8632 of *Lecture Notes in Computer Science*, pages 499–510, Porto, Portugal, Aug. 2014. Springer.
- [13] L.-C. Canon, A. Essafi, and D. Trystram. Fast Biological Sequence comparison on Hybrid Platforms. In *Proceedings of the 21st IEEE HiPC, Goa, India, Dec. 2014*.
- [14] A. Essafi, D. Trystram, and Z. Zaidi. An Efficient Algorithm for Scheduling Jobs in Volunteer Computing platforms. In *proceedings of HCW, Phoenix, USA, May 2014*. ACM.
- [15] D. Glesser, Y. Georgiou, M. Hautreux, and D. Trystram. Introducing Power-capping in SLURM scheduling. In *SLURM user group meeting, Lugano, Switzerland, Sept. 2014*.

- [16] D. Glesser, Y. Georgiou, and D. Trystram. Introducing Energy based fair-share scheduling. In *SLURM user group meeting*, Lugano, Switzerland, Sept. 2014.
- [17] F. M. G. M. S. Kedad-Sidhoum, Fernando Mendonca and D. Trystram. Fast Biological Sequence comparison on Hybrid Platforms. In *Proceedings of the 43rd ICPP*, Minneapolis, USA, Sept. 2014.
- [18] A. Srivastav and D. Trystram. Competitive analysis for non-preemptive average stretch. In *ECCO XXVII : the 27th European Chapter on Combinatorial Optimization*, Muenchen Germany, May 2014.

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- [19] J. Blazewicz, P. Bouvry, J. Musial, J. Pecero, and D. Trystram. Dual Discounting Functions for Internet Shopping Optimization Problem. In *Proceedings of the 6th Multidisciplinary International Scheduling Conference : Theory and Applications MISTA*, Ghent, Belgium, Aug. 2013.
- [20] J. Blazewicz, S. Kedad-Sidhoum, F. Monna, G. Mounié, and D. Trystram. Preemptive scheduling of independent tasks on multi-cores with GPU. In *ECCO XXVI : the 26th European Chapter on Combinatorial Optimization*, Paris, France, May 2013.
- [21] P.-F. Dutot, K. Jansen, C. Robenek, and D. Trystram. A $(2+\epsilon)$ – Approximation for Scheduling Parallel Jobs in Platforms. In *the 19th International Euro – Par Conference*, –89, Aachen, Germany, Aug. 2013. Springer.
- [22] J. Emeras, V. Pinheiro, K. Rzdca, and D. Trystram. OStrich : Fair Scheduling for Multiple Submissions. In *PPAM, the 10th International Conference on Parallel Processing and Applied Mathematics*, Warsaw, Poland, Sept. 2013.
- [23] A. Goldman, J. Lepping, Y. Ngoko, and D. Trystram. Combining Parallel Algorithms Solving the Same Application : What is the Best Approach ? In *ParLearning, IPDPS Workshop*, pages 1859–1868, Boston, USA, May 2013.
- [24] S. Kedad-Sidhoum, F. Monna, G. Mounié, and D. Trystram. Approximation Algorithms for a Scheduling Problem on Multi-Cores with GPUs. In *Proceedings of the 11th workshop on Models and Algorithms for Planning and Scheduling Problems MAPSP*, Pont à Mousson, France, June 2013.
- [25] S. Kedad-Sidhoum, F. Monna, G. Mounié, and D. Trystram. Scheduling Independent Tasks on Multi-Cores with GPU Accelerators. In *Proceedings of the 11th HeteroPar workshop (Algorithms, Models and Tools for Parallel Computing and Heterogeneous Platforms)*, Aachen, Germany, Aug. 2013. Best Paper.
- [26] J. Lepping, P. Mertikopoulos, and D. Trystram. Accelerating population-based search heuristics by adaptive resource allocation. In C. Blum and E. Alba, editors, *GECCO, the 22th Genetic and Evolutionary Computation Conference*, pages 1165–1172, Amsterdam, The Netherlands, July 2013. ACM.

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- [27] M. Bougeret, P.-F. Dutot, K. Jansen, C. Robenek, and D. Trystram. Tight approximation for scheduling parallel jobs on identical clusters. In *Proceedings of the 26th IPDPS - APDCM workshop*, Shanghai, China, May 2012. IEEE.
- [28] A. Goldman, Y. Ngoko, and D. Trystram. Malleable resource sharing algorithms for cooperative resolution of problems. In *Proceedings of IEEE World Congress on Computational Intelligence*, pages 1438–1445, Brisbane, Australia, June 2012.
- [29] V. Pinheiro, K. Rzdca, and D. Trystram. Campaign Scheduling. In *19th international Conference on High Performance Computing (HiPC)*, Pune, India, Dec. 2012. IEEE.
- [30] D. Trystram, I. Milis, Z. Du, and U. Schwiegelshohn. Euro-Par 2012, Editorial Topic 3 : Scheduling and Load Balancing. volume 7484 of *Lecture Notes in Computer Science*, page 115, Rhodes Island, Greece, 2012. Springer.

- [31] M. Bougeret, P.-F. Dutot, K. Jansen, C. Robenek, and D. Trystram. Scheduling jobs on heterogeneous platforms. In *Proceedings of COCOON, the 17th Annual International Computing and Combinatorics*, volume 6842 of *LNCS*, pages 271–283, Dallas, USA, Aug. 2011. Springer. http://dx.doi.org/10.1007/978-3-642-22685-4_25.
- [32] M. Bougeret, P.-F. Dutot, and D. Trystram. Using oracles for the design of efficient approximation algorithms. In *MAPSP Proceedings*, Tchèque, République, 2011.
- [33] M. S. Bouguerra, D. Kondo, and D. Trystram. On the Scheduling of Checkpoints on Desktop Grids. In *11th IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing (CCGrid 2011)*, pages 305–313, May 2011.
- [34] L.-C. Canon, A. Essafi, G. Mounié, and D. Trystram. A bi-objective scheduling algorithm for desktop grids with uncertain resource availabilities. In *Proceedings of the 17th EuroPar international Conference*, volume 6853 of *LNCS*, pages 238–249, Bordeaux, France, 2011. Springer. acceptance rate 29%.
- [35] J. Cohen, D. Cordeiro, D. Trystram, and F. Wagner. Coordination Mechanisms for Selfish Multi-Organization Scheduling. In *Proceedings of the 18th annual IEEE International Conference on High Performance Computing (HiPC)*, Bangalore, India, Dec. 2011. IEEE Computer Society. acceptance rate 20%.
- [36] D. Cordeiro, P.-F. Dutot, G. Mounié, and D. Trystram. Tight Analysis of Relaxed Multi-Organization Scheduling Algorithms. In *Proceedings of the 25th IEEE International Parallel & Distributed Processing Symposium (IPDPS)*, pages 1177–1186, Anchorage, AL, USA, May 2011. IEEE Computer Society.
- [37] V. Rehn-Sonigo, D. Trystram, F. Wagner, H. Xu, and G. Zhang. Off-line scheduling of multi-threaded request streams on a caching server. In *Proceedings of the 25th IPDPS*, Anchorage, Alaska, 2011. IEEE. acceptance rate 19%.
- [38] D. Trystram, F. Wagner, H. Xu, and G. Zhang. New Lower Bounds for Online Multi-threaded Paging Problem. In *Proceedings of the 10th workshop on Models and Algorithms for Planning and Scheduling Problems MAPSP*, Nymburk, Czech Republic, June 2011.

Summary

	2011	2012	2013	2014	2015	Total
International peer-reviewed conference proceedings [ACT]	8	4	8	7	11	38
Total	8	4	8	7	11	38