

1 Publications

Journal articles

2016

- [1] J.-P. Gayon, G. Massonnet, C. Rapine, and G. Stauffer. Constant approximation algorithms for the one warehouse multiple retailers problem with backlog or lost-sales. *European Journal of Operational Research*, 250(1), 2016.
- [2] P. Mertikopoulos and A. L. Moustakas. Learning in an uncertain world: MIMO covariance matrix optimization with imperfect feedback. *IEEE Transactions on Signal Processing*, 64(1):5–18, 2016.

2015

- [3] A. Ancel, I. Assenmacher, K. I. Baba, J. Cisonni, Y. Fujiso, P. Gonçalves, M. Imbert, K. Koyamada, P. Neyron, N. Kazunori, O. Hiroyuki, A.-C. Orgerie, X. Pelorson, B. Raffin, N. Sakamoto, E. Sakane, S. Wada, S. Shimojo, and A. Van Hirtum. PetaFlow: a global computing-networking-visualisation unit with social impact. *International Research Journal of Computer Science*, 2(4), 2015.
- [4] J. Anselmi, B. Gaujal, and T. Nesti. Control of parallel non-observable queues: asymptotic equivalence and optimality of periodic policies. *stochastic systems*, 5(1), 2015.
- [5] G. Bacci, E. V. Belmega, P. Mertikopoulos, and L. Sanguinetti. Energy-Aware Competitive Power Allocation for Heterogeneous Networks Under QoS Constraints. *IEEE Transactions on Wireless Communications*, 14(9):4728–4742, 2015.
- [6] D. Borgetto, R. Chakode, B. Depardon, C. Eichler, J.-M. Garcia, H. Hbaieb, T. Monteil, E. Pelorce, A. Rachdi, A. Al Sheikh, and P. Stolf. Hybrid approach for energy aware management of multi-cloud architecture integrating user machines. *Journal of Grid Computing*, 2015.
- [7] T. Buchert, C. Ruiz, L. Nussbaum, and O. Richard. A survey of general-purpose experiment management tools for distributed systems. *Future Generation Computer Systems*, 45:1 – 12, 2015.
- [8] A. Busic, S. Durand, B. Gaujal, and F. Perronnin. Perfect sampling of Jackson queueing networks. *Queueing Systems*, 80(3):37, 2015.
- [9] P. COUCHENEY, B. Gaujal, and P. Mertikopoulos. Penalty-Regulated Dynamics and Robust Learning Procedures in Games. *Mathematics of Operations Research*, 40(3):611–633, 2015.
- [10] S. D’Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo. Interference-based pricing for opportunistic multi-carrier cognitive radio systems. *IEEE Transactions on Wireless Communications*, 14(12):6536 – 6549, 2015.
- [11] M. Faure, P. Gaillard, B. Gaujal, and V. Perchet. Online Learning and Game Theory. A quick overview with recent results and applications . *ESAIM: Proceedings*, 2015.
- [12] R. Laraki and P. Mertikopoulos. Inertial game dynamics and applications to constrained optimization. *SIAM Journal on Control and Optimization*, 53(5):3141–3170, 2015.
- [13] P. Mertikopoulos and W. H. Sandholm. Learning in games via reinforcement and regularization. *Mathematics of Operations Research*, 2015.
- [14] P. Mertikopoulos and Y. Viossat. Imitation dynamics with payoff shocks. *International Journal of Game Theory*, 2015.
- [15] C. Ruiz, S. Harrache, M. Mercier, and O. Richard. Reconstructable Software Appliances with Kameleon. *Operating Systems Review*, 49(1):80–89, 2015.

- [16] L. Stanislav, A. Legrand, and V. Danjean. An Effective Git And Org-Mode Based Workflow For Reproducible Research. *Operating Systems Review*, 49:61 – 70, 2015.
- [17] L. Stanislav, S. Thibault, A. Legrand, B. Videau, and J.-F. Méhaut. Faithful Performance Prediction of a Dynamic Task-Based Runtime System for Heterogeneous Multi-Core Architectures. *Concurrency and Computation: Practice and Experience*, page 16, 2015.
- [18] F. Zanon Boito, R. V. Kassick, P. O. A. Navaux, and Y. Denneulin. Automatic I/O scheduling algorithm selection for parallel file systems. *Concurrency and Computation: Practice and Experience*, 2015.

2014

- [19] J. Anselmi and B. Gaujal. Efficiency of simulation in monotone hyper-stable queueing networks. *Queueing Systems*, 76(1):51–72, 2014.
- [20] H. Casanova, A. Giersch, A. Legrand, M. Quinson, and F. Suter. Versatile, Scalable, and Accurate Simulation of Distributed Applications and Platforms. *Journal of Parallel and Distributed Computing*, 74(10):2899–2917, 2014.
- [21] S. Di, D. Kondo, and W. Cirne. Google hostload prediction based on Bayesian model with optimized feature combination. *Journal of Parallel and Distributed Computing*, 74(1):1820–1832, 2014.
- [22] C. Fricker and N. Gast. Incentives and redistribution in homogeneous bike-sharing systems with stations of finite capacity. *EURO Journal on Transportation and Logistics*, page 31, 2014.
- [23] N. Gast, D.-C. Tomozei, and J.-Y. Le Boudec. Optimal Generation and Storage Scheduling in the Presence of Renewable Forecast Uncertainties. *IEEE Transactions on Smart Grid*, page 12, 2014.
- [24] B. Gaujal, L. Gulyas, Y. Mansuri, and E. Thierry. Validating an agent-based model of the Zipf’s law: a discrete Markov chain approach. *Journal of Economic Dynamics & Control*, pages 38–49, 2014.
- [25] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. Building Optimal Macroscopic Representations of Complex Multi-agent Systems. *LNCS Transactions on Computational Collective Intelligence*, 2014.
- [26] R. Lamarche-Perrin, L. M. Schnorr, J.-M. Vincent, and Y. Demazeau. Agrégation de traces pour la visualisation de grands systèmes distribués. *Technique et Science Informatiques*, 2014.
- [27] P. Mertikopoulos and E. V. Belmega. Transmit without regrets: online optimization in MIMO-OFDM cognitive radio systems. *IEEE Journal on Selected Areas in Communications*, 32(11):1987–1999, 2014.
- [28] L. Pilla, C. Pousa Ribeiro, P. COUCHENEY, F. Broquedis, B. Gaujal, P. Navaux, and J.-F. Mehaut. A Topology-aware Load Balancing Algorithm for Clustered Hierarchical Multi-core Machines. *Future Generation Computer Systems*, 30(1):191–201, 2014.

2013

- [29] J. Anselmi and B. Gaujal. Efficiency of simulation in monotone hyper-stable queueing networks. *Queueing Systems*, 2013.
- [30] A. Benoit, M. Gallet, B. Gaujal, and Y. Robert. Computing the throughput of probabilistic and replicated streaming applications. *Algorithmica*, 2013.

- [31] R. Bertin, S. Hunold, A. Legrand, and C. Touati. Fair scheduling of bag-of-tasks applications using distributed Lagrangian optimization. *Journal of Parallel and Distributed Computing*, 2013.
- [32] B. Javadi, D. Kondo, A. Iosup, and D. Epema. The Failure Trace Archive: Enabling the comparison of failure measurements and models of distributed systems. *Journal of Parallel and Distributed Computing*, 73(8):1208 – 1223, 2013.
- [33] R. Khalili, N. Gast, M. Popovic, and J.-Y. Le Boudec. MPTCP is not Pareto-Optimal: Performance Issues and a Possible Solution. *IEEE/ACM Transactions on Networking*, page 15, 2013.
- [34] R. Laraki and P. Mertikopoulos. Higher Order Game Dynamics. *Journal of Economic Theory*, 148(6):2666–2695, 2013.
- [35] P. Velho, L. Schnorr, H. Casanova, and A. Legrand. On the Validity of Flow-level TCP Network Models for Grid and Cloud Simulations. *ACM Transactions on Modeling and Computer Simulation*, 23(4), 2013.

Conference articles

2015

- [36] E. V. Belmega and P. Mertikopoulos. Energy-efficient power allocation in dynamic multi-carrier systems. In *VTC Spring 2015: Proceedings of the 2015 IEEE Vehicular Technology Conference*, Glasgow, United Kingdom, 2015.
- [37] S. D’Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo. Cost-efficient power allocation in OFDMA cognitive radio networks. In *EUCNC’ 15: Proceedings of the 2015 European Conference on Networks and Communications*, Paris, France, 2015.
- [38] N. Gast. The Power of Two Choices on Graphs: the Pair-Approximation is Accurate. In *Workshop on MAThematical performance Modeling and Analysis*, Portland, United States, 2015.
- [39] N. Gast, G. Massonnet, D. Reijsbergen, and M. Tribastone. Probabilistic Forecasts of Bike-Sharing Systems for Journey Planning. In *The 24th ACM International Conference on Information and Knowledge Management (CIKM 2015)*, Melbourne, Australia, 2015.
- [40] N. Gast and B. Van Houdt. Transient and Steady-state Regime of a Family of List-based Cache Replacement Algorithms. In *ACM SIGMETRICS 2015*, Portland, United States, 2015.
- [41] A. Lebre, A. Legrand, F. Suter, and P. Veyre. Adding Storage Simulation Capacities to the SimGrid Toolkit: Concepts, Models, and API. In *CCGrid 2015 - Proceedings of the 15th IEEE/ACM Symposium on Cluster, Cloud and Grid Computing*, pages 251–260, Shenzhen, China, 2015. IEEE/ACM.
- [42] L. Stanisic, E. Agullo, A. Buttari, A. Guermouche, A. Legrand, F. Lopez, and B. Videau. Fast and Accurate Simulation of Multithreaded Sparse Linear Algebra Solvers. In *The 21st IEEE International Conference on Parallel and Distributed Systems*, Melbourne, Australia, 2015.
- [43] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati. No more tears: A no-regret approach to power control in dynamically varying MIMO networks. In *WiOpt ’15 - Proceedings of the 13th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, pages 467 – 474, Mumbai, India, 2015.
- [44] J.-M. Vincent. Macroscopic analysis of huge traces of parallel/distributed applications. In *ISCIS 30th International Symposium on Computer and Information Sciences. Symposium Honouring Professor Erol Gelenbe*, London, United Kingdom, 2015.
- [45] F. Zanon Boito, R. Kassick, P. O. A. Navaux, and Y. Denneulin. Towards fast profiling of storage devices regarding access sequentiality. In *30th Annual ACM Symposium on Applied Computing*, pages 2015–2020, Salamanca, Spain, 2015.

- [46] P. COUCHENEY, S. Durand, B. Gaujal, and C. Touati. General Revision Protocols in Best Response Algorithms for Potential Games. In I. Explore, editor, *Network Games, Control and Optimization (NetGCoop)*, Trento, Italy, 2014.
- [47] S. D'Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo. Adaptive transmit policies for cost-efficient power allocation in multi-carrier systems. In *WiOpt '14: Proceedings of the 12th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, pages pp. 1 – 7, Hammamet, Tunisia, 2014.
- [48] D. Dosimont, Y. Corre, L. M. Schnorr, G. Huard, and J.-M. Vincent. Ocelotl: Large Trace Overviews Based on Multidimensional Data Aggregation. In *8th International Parallel Tools Workshop*, Stuttgart, Germany, 2014.
- [49] D. Dosimont, G. Huard, and J.-M. Vincent. Agrégation temporelle pour l'analyse de traces volumineuses. In *10ème Atelier en Evaluation de Performances*, Sophia Antipolis, France, 2014.
- [50] D. Dosimont, R. Lamarche-Perrin, L. Mello Schnorr, G. Huard, and J.-M. Vincent. A Spatiotemporal Data Aggregation Technique for Performance Analysis of Large-scale Execution Traces. In *IEEE Cluster 2014*, Madrid, Spain, 2014.
- [51] D. Dosimont, G. Pagano, G. Huard, V. Marangozova-Martin, and J.-M. Vincent. Efficient Analysis Methodology for Huge Application Traces. In *HPCS 2014 - The 2014 International Conference on High Performance Computing & Simulation*, Bologna, Italy, 2014.
- [52] S. Durand, B. Gaujal, F. Perronnin, and J.-M. Vincent. A perfect sampling algorithm of random walks with forbidden arcs. In *QEST 2014 - 11th International Conference on Quantitative Evaluation of Systems*, volume 8657, pages 178–193, Florence, Italy, 2014. Springer.
- [53] N. Gast, J.-Y. Le Boudec, and D.-C. Tomozei. Impact of Demand-Response on the Efficiency and Prices in Real-Time Electricity Markets. In *ACM e-Energy 2014*, Cambridge, United Kingdom, 2014.
- [54] B. Giacomo, E. V. Belmega, P. Mertikopoulos, and S. Luca. Energy-aware competitive link adaptation in small-cell networks. In *WiOpt '14: Proceedings of the 12th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, Hammamet, Tunisia, 2014.
- [55] A. Legrand. On the Use of Lagrangian Optimization For Designing Distributed Self-Stabilizing Protocols. In *ROADEF - 15ème congrès annuel de la Société française de recherche opérationnelle et d'aide à la décision*, Bordeaux, France, 2014. Société française de recherche opérationnelle et d'aide à la décision.
- [56] V. Marangozova-Martin and G. Pagano. The FrameSoC Software Architecture for Multiple-View Trace Data Analysis. In *ACM SIGCHI Symposium on Engineering Interactive Computing Systems*, page 6, Rome, Italy, 2014.
- [57] D. Margery, E. Morel, L. Nussbaum, O. Richard, and C. Rohr. Resources Description, Selection, Reservation and Verification on a Large-scale Testbed. In *TRIDENTCOM - 9th International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities*, Guangzhou, China, 2014.
- [58] A. Martin, G. Pagano, J. Correnoz, and V. Marangozova-Martin. Analyse de systèmes embarqués par structuration de traces d'exécution. In P. Felber, L. Philippe, E. Riviere, and A. Tisserand, editors, *ComPAS 2014 : conférence en parallélisme, architecture et systèmes*, Neuchâtel, Switzerland, 2014.

- [59] S. Martin, T. Buchert, P. Willemet, O. Richard, E. Jeanvoine, and L. Nussbaum. Scalable and Reliable Data Broadcast with Kascade. In *HPDIC - International Workshop on High Performance Data Intensive Computing, in conjunction with IEEE IPDPS 2014*, Phoenix, United States, 2014.
- [60] L. Nussbaum and O. Richard. Realis'2014: Reproductibilité expérimentale pour l'informatique en parallélisme, architecture et système. In *ComPAS : Conférence d'informatique en Parallélisme, Architecture et Système*, Neuchatel, Switzerland, 2014.
- [61] C. Ruiz, M. Alexandru, O. Richard, T. Monteil, and H. Aubert. Platform Calibration for Load Balancing of Large Simulations: TLM Case. In *IEEE/ACM International Symposium on Cluster, Cloud and grid Computing (IEEE/ACM CCGrid)*, pages pp.465–472, Chicago, United States, 2014.
- [62] C. C. Ruiz Sanabria, O. Richard, and J. Emeras. Reproducible Software Appliances for Experimentation. In *TRIDENTCOM - 9th International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities (2014)*, Guangzhou, China, 2014.
- [63] L. Stanislav and A. Legrand. Effective Reproducible Research with Org-Mode and Git. In *1st International Workshop on Reproducibility in Parallel Computing*, Porto, Portugal, 2014.
- [64] L. Stanislav, S. Thibault, A. Legrand, B. Videau, and J.-F. Méhaut. Modeling and Simulation of a Dynamic Task-Based Runtime System for Heterogeneous Multi-Core Architectures. In *Euro-par - 20th International Conference on Parallel Processing*, Euro-Par 2014, LNCS 8632, pages 50–62, Porto, Portugal, 2014. Springer International Publishing Switzerland.
- [65] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati. No regrets: Distributed power control under time-varying channels and QoS requirements. In *Allerton '14: Proceedings of the 51st Annual Allerton Conference on Communication, Control, and Computing*, Allerton, United States, 2014.

2013

- [66] D. Balouek, A. Carpen-Amarie, G. Charrier, F. Desprez, E. Jeannot, E. Jeanvoine, A. Lèbre, D. Margery, N. Niclausse, L. Nussbaum, O. Richard, C. Pérez, F. Quesnel, C. Rohr, and L. Sarzyniec. Adding Virtualization Capabilities to the Grid'5000 Testbed. In I. Ivanov, M. Sinderen, F. Leymann, and T. Shan, editors, *Cloud Computing and Services Science*, volume 367 of *Communications in Computer and Information Science*, pages 3–20. Springer International Publishing, 2013.
- [67] P. Bedaride, A. Degomme, S. Genaud, A. Legrand, G. Markomanolis, M. Quinson, M. L. Stillwell, F. Suter, and B. Videau. Toward Better Simulation of MPI Applications on Ethernet/TCP Networks. In *PMBS13 - 4th International Workshop on Performance Modeling, Benchmarking and Simulation of High Performance Computer Systems*, Denver, United States, 2013.
- [68] S. Di, D. Kondo, and F. Cappello. Characterizing Cloud Applications on a Google Data Center. In *42nd International Conference on Parallel Processing (ICPP'13)*, pages 468–473, Unknown, 2013.
- [69] S. Di, Y. Robert, F. Vivien, D. Kondo, C.-L. Wang, and F. Cappello. Optimization of Cloud Task Processing with Checkpoint-Restart Mechanism. In *SC13 - Supercomputing - 2013*, Denver, United States, 2013. ACM.
- [70] D. Dosimont, G. Huard, and J.-M. Vincent. La visualisation de traces, support à l'analyse, déverminage et optimisation d'applications de calcul haute performance. In *VIF : Atelier Visualisation d'informations, interaction et fouille de données de ECG'2013 - 13e Conférence Francophone sur l'Extraction et la Gestion des Connaissances*, Toulouse, France, 2013.
- [71] J. Emeras, V. Pinheiro, K. Rzaqca, and D. Trystram. OStrich: Fair Scheduling for Multiple Submissions. In *PPAM'2013*, Warsaw, Poland, 2013. Springer.

- [72] J. Emeras, C. Ruiz, J.-M. Vincent, and O. Richard. Analysis of the Jobs Resource Utilization on a Production System. In W. Cirne, N. Desai, E. Frachtenberg, and U. Schwiegelshohn, editors, *Job Scheduling Strategies for Parallel Processing*, Lecture Notes in Computer Science, Boston, United States, 2013. Springer.
- [73] J. Emeras, C. Ruiz, J.-M. Vincent, and O. Richard. Jobs Resource Utilization as a Metric for Clusters Comparison and Optimization. In *ComPAS'2013 Proceedings*, Grenoble, France, 2013.
- [74] N. Gast, J.-Y. Le Boudec, A. Proutière, and D.-C. Tomozei. Impact of storage on the efficiency and prices in real-time electricity markets. In *ACM e-Energy 2013*, Berkeley, United States, 2013.
- [75] T. Giraud, C. Grasland, R. Lamarche-Perrin, Y. Demazeau, J.-M. Vincent, and T. Thévenin. Identification of international media events by spatial and temporal aggregation of RSS flows of newspapers. In *18th European Colloquium in Theoretical and Quantitative Geography (ECTQG)*, pages 112–114, Dourdan, France, 2013.
- [76] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. Analysis of International Relations through Spatial and Temporal Aggregation. In *11th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS'13*, volume LNAI, pages 296–299, Salamanca, Spain, 2013. Springer.
- [77] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. How to Build the Best Macroscopic Description of your Multi-agent System? In *11th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'13)*, pages 157–169, Salamanca, Spain, 2013.
- [78] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. Multi-resolution Representations of Media Information. In *IJCAI 2013 - 23rd International Joint Conference on Artificial Intelligence*, Beijing, China, 2013.
- [79] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. The Best-partitions Problem: How to Build Meaningful Aggregations. In *IAT 2013 - IEEE/WIC/ACM International Conference on Intelligent Agent Technology*, volume 2, pages 399–404, Atlanta, GA, United States, 2013. IEEE.
- [80] L. Mello Schnorr and A. Legrand. Visualizing More Performance Data Than What Fits on Your Screen. In A. Cheptsov, S. Brinkmann, J. Gracia, M. M. Resch, and W. E. Nagel, editors, *Tools for High Performance Computing 2012*, pages 149–162. Springer Berlin Heidelberg, 2013.
- [81] L. Mello Schnorr, A. Legrand, and J.-M. Vincent. Interactive Analysis of Large Distributed Systems with Scalable Topology-based Visualization. In *International Symposium on Performance Analysis of Systems and Software (ISPASS'13)*, Austin, Texas, United States, 2013. IEEE Computer Society Press.
- [82] G. Pagano, D. Dosimont, G. Huard, V. Marangozova-Martin, and J.-M. Vincent. Trace Management and Analysis for Embedded Systems. In IEEE, editor, *MCSoc'13 - 2013 IEEE 7th International Symposium on Embedded Multicore Socs*, pages 119–122, Tokyo, Japan, 2013.
- [83] C. C. Ruiz Sanabria, O. Richard, B. Videau, and I. Oleg. Managing Large Scale Experiments in Distributed Testbeds. In *Proceedings of the 11th IASTED International Conference*, pages 628–636, Innsbruck, Austria, 2013. ACTA Press.
- [84] L. Stanisic, B. Videau, J. Cronsioe, A. Degomme, V. Marangozova-Martin, A. Legrand, and J.-F. Mehaut. Performance Analysis of HPC Applications on Low-Power Embedded Platforms. In *DATE - Design, Automation & Test in Europe*, pages 475–480, Grenoble, France, 2013.
- [85] A. Tchana, B. Dillenseger, N. De Palma, X. Etchevers, J.-M. Vincent, N. Salmi, and A. Harbaoui. Self-scalable Benchmarking as a Service with Automatic Saturation Detection. In K. S. David Eysers, editor, *Middleware 2013*, volume 8275 of *Lecture Notes in Computer Science (LNCS)*, pages 389–404, Beijing, China, 2013. Springer.

PhD thesis and Accreditation to Supervise Research (H.D.R.)

2015

- [86] A. Legrand. *Scheduling for Large Scale Distributed Computing Systems: Approaches and Performance Evaluation Issues*. Accreditation to supervise research, Université Grenoble Alpes, 2015.

2013

- [87] J. Emeras. *Workload Traces Analysis and Replay in Large Scale Distributed Systems*. Theses, Université de Grenoble, 2013.

Technical reports

2016

- [88] S. Durand and B. Gaujal. Complexity and Optimality of the Best Response Algorithm in Random Potential Games. Research Report RR-8925, Inria - Research Centre Grenoble – Rhône-Alpes ; Grenoble 1 UGA - Université Grenoble Alpe, 2016.

2015

- [89] J. Assunção, P. Fernandes, L. Lopes, A. Studeny, and J.-M. Vincent. SANGE -Stochastic Automata Networks Generator. A tool to efficiently predict events through structured Markovian models (extended version). Research Report RR-8724, Inria Rhône-Alpes ; Grenoble University ; Pontificia Universidade Católica do Rio Grande do Sul ; INRIA, 2015.
- [90] G. Pagano and V. Marangozova-Martin. Effective Data Management for Interactive Trace Analysis. Technical Report RT-0460, Inria - Research Centre Grenoble – Rhône-Alpes ; INRIA, 2015.
- [91] A. Studeny, R. Lamarche-Perrin, and J.-M. Vincent. Studying Media Events through Spatio-Temporal Statistical Analysis. Research report, INRIA Grenoble - Rhone-Alpes, 2015.

2014

- [92] D. Dosimont, L. M. Schnorr, G. Huard, and J.-M. Vincent. A Trace Macroscopic Description based on Time Aggregation. Research Report RR-8524, INRIA, 2014.
- [93] S. Durand, B. Gaujal, F. Perronnin, and J.-M. Vincent. A perfect sampling algorithm of random walks with forbidden arcs. Research Report RR-8504, INRIA, 2014.
- [94] K. Georgiev and V. Marangozova-Martin. Deterministic Partial Replay for MPSoC Debugging. Research Report RR-8515, INRIA, 2014.
- [95] A. Martin and V. Marangozova-Martin. Analyse de traces d'exécutions pour les systèmes embarqués : détection d'anomalies par corrélation temporelle. Technical Report RT-0450, Inria, 2014.
- [96] G. Pagano and V. Marangozova-Martin. FrameSoC Workbench: Facilitating Trace Analysis through a Consistent User Interface. Technical Report RT-0447, Inria, 2014.
- [97] L. Stanisic, S. Thibault, A. Legrand, B. Videau, and J.-F. Méhaut. Modeling and Simulation of a Dynamic Task-Based Runtime System for Heterogeneous Multi-Core Architectures. Research Report RR-8509, INRIA, 2014.

2013

- [98] P. Bedaride, S. Genaud, A. Degomme, A. Legrand, G. Markomanolis, M. Quinson, M. L. Stillwell, F. Suter, and B. Videau. Improving Simulations of MPI Applications Using A Hybrid Network Model with Topology and Contention Support. Research Report RR-8300, INRIA, 2013.
- [99] A. Busic, S. Durand, B. Gaujal, and F. Perronnin. Perfect sampling of Jackson Queueing Networks. Research Report RR-8332, INRIA, 2013.
- [100] P. Coucheney, B. Gaujal, and P. Mertikopoulos. Distributed Optimization in Multi-User MIMO Systems with Imperfect and Delayed Information. Research Report RR-8426, INRIA, 2013.
- [101] P. Coucheney, B. Gaujal, and P. Mertikopoulos. Entropy-driven dynamics and robust learning procedures in games. Research Report RR-8210, INRIA, 2013.
- [102] S. Delamare, G. Fedak, D. Kondo, O. Lodygensky, P. Kacsuk, J. Kovacs, and F. Araujo. Advanced QoS Prototype for the EDGI Infrastructure. Research Report RR-8295, INRIA, 2013.
- [103] S. Delamare, G. Fedak, D. Kondo, O. Lodygensky, P. Kacsuk, J. Kovacs, and F. Araujo. Intermediate QoS Prototype for the EDGI Infrastructure. Research Report RR-8294, INRIA, 2013.
- [104] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. How to Build the Best Macroscopic Description of your Multi-agent System? Application to News Analysis of International Relations. Research Report RR-LIG-035, 2013.
- [105] R. Lamarche-Perrin, Y. Demazeau, and J.-M. Vincent. The Best-partitions Problem: How to Build Meaningful Aggregations ? Research Report RR-LIG-044, 2013.
- [106] R. Lamarche-Perrin, L. Schnorr, Y. Demazeau, and J.-M. Vincent. Evaluating Trace Aggregation Through Entropy Measures for Optimal Performance Visualization of Large Distributed Systems. Research Report RR-LIG-037, 2013.
- [107] V. Marangozova-Martin and G. Pagano. Gestion de traces d'exécution pour le systèmes embarqués : contenu et stockage. Research Report RR-LIG-046, 2013.
- [108] G. Pagano, D. Dosimont, G. Huard, V. Marangozova-Martin, and J.-M. Vincent. Trace Management and Analysis for Embedded Systems. Research Report RR-8304, INRIA, 2013.
- [109] G. Pagano and V. Marangozova-Martin. SoC-Trace Infrastructure Benchmark. Technical Report RT-0435, INRIA, 2013.

Others

2015

- [110] M. Bravo and P. Mertikopoulos. On the Robustness of Learning in Games with Stochastically Perturbed Payoff Observations. 2015.
- [111] B. Bzeznik, R. Cavagna, P. Neyron, O. Richard, and Y. Rogez. Mésocentre Ciment : une pile logicielle pour la mutualisation. Journée Success, 2015.
- [112] B. Gaujal and P. Mertikopoulos. A stochastic approximation algorithm for stochastic semidefinite programming. 2015.
- [113] P. Mertikopoulos and E. V. Belmega. Learning to be green: robust energy efficiency maximization in dynamic MIMO-OFDM systems. 2015.
- [114] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati. Adaptive Power Allocation and Control in Time-Varying Multi-Carrier MIMO Networks. 2015.

2014

- [115] D. Dosimont, R. Lamarche-Perrin, L. M. Schnorr, G. Huard, and J.-M. Vincent. Combining Data and Visual Aggregation Techniques to Build a Coherent Spatiotemporal Overview. 2014.
- [116] J. Kwon and P. Mertikopoulos. A continuous-time approach to online optimization. 2014.
- [117] P. Mertikopoulos and W. H. Sandholm. Regularized Best Responses and Reinforcement Learning in Games. 2014.
- [118] S. Perkins, P. Mertikopoulos, and D. S. Leslie. Game-theoretical control with continuous action sets. 2014.
- [119] L. Stanisis and A. Legrand. Writing a Reproducible Article. ComPAS 2014 : conférence en parallélisme, architecture et systèmes, 2014.

2013

- [120] L. Nussbaum, P. Neyron, O. Richard, and E. Jeanvoine. Grid'5000: A Production-grade Testbed for Experiment-driven Computer Science on HPC and Clouds. Inria Booth at SC'13, 2013.
- [121] C. Touati. Le jeu des Kirlis et des Gurlus. Fête de la Science, 2013.

	2013	2014	2015	2016	Total
Journal articles	7	10	16	2	35
Conference articles	20	20	10		50
Accreditation to Supervise Research (H.D.R.)			1		1
PhD thesis	1				1
Technical reports	12	6	3	1	22
Others	2	5	5		12
Total	42	41	35	3	121