

DETAILED PUBLICATIONS LIST

Bernabé Dorronsoro, Ramón y Cajal Fellow – University of Cadiz (Spain)

Total number of publications: 137

Number of references to my publications: 2831 (source: [Google Scholar](#))

H index: 25 (source: [Google Scholar](#))

1. Books

1. E. Alba, **B. Dorronsoro**, *Cellular Genetic Algorithms*, vol. 24 of operations research/computer science series, Springer-Verlag, 2008. ISBN 978-0-387-77609-5.
2. **B. Dorronsoro**, P. Ruiz, G. Danoy, Y. Pigné, P. Bouvry, *Evolutionary Algorithms for Mobile Ad Hoc Networks*, Wiley/IEEE Computer Society, Nature-Inspired Computing series, in press, 2014. ISBN 978-1-118-34113-1.
3. J. M. Puerta, J. A. Gámez, **B. Dorronsoro**, E. Barrenechea, A. Troncoso, B. Baruque, M. Galar (eds.), *Advances in Artificial Intelligence*, 16th Conference of the Spanish Association for Artificial Intelligence, CAEPIA 2015, Albacete, Spain, November 9-12, 2015, Proceedings, Lecture Notes in Artificial Intelligence vol. 9422, Springer-Verlag, 2015. ISBN 978-3-319-24597-3.

2. Book Chapters

1. S. Nesmachnow, S. Iturriaga, **B. Dorronsoro**, A. Tchernykh, *Multiobjective energy-aware workflow scheduling in distributed datacenters*, High Performance Computer Applications, vol. 595 of the series Communications in Computer and Information Science, pp. 79-83, 2016. ISBN 978-3-319-32242-1.
2. H. J. Fraire, A. Santiago, J. E. Pecero, **B. Dorronsoro**, P. Bouvry, J. C. Soto, J. J. Gonzalez, C. Gomez, *A Comparison between memetic algorithm and seeded genetic algorithm for multi-objective independent task scheduling on heterogeneous machines*, Design of Intelligent Systems Based on Fuzzy Logic, Neural Networks and Nature-Inspired Optimization, Studies in Computational Intelligence vol. 601, pp. 377-389, Springer, 2015. ISBN 978-3-319-17746-5.
3. A. Santiago, H. J. Fraire Huacuja, **B. Dorronsoro**, J. E. Pecero, C. Gómez Santillan, J. J. González Barbosa, J. C. Soto Monterrubio, *A Survey of Decomposition Methods for Multi-objective Optimization*, Recent Advances on Hybrid Approaches for Designing Intelligent Systems, Studies in Computational Intelligence, vol. 547, pp. 453–465, 2014. ISBN 978-3-319-05169-7.
4. **B. Dorronsoro**, J. C. Burguillo, A. Peleteiro, P. Bouvry, *Evolutionary algorithms based on game theory and cellular automata with coalitions*, Handbook of Optimization, I. Zelinka, V. Snasel, A. Abraham (eds.), Intelligent Systems Reference Library series, vol. 38, pp. 481-503, Springer, 2013. ISBN 978-3-642-30504-7.
5. **B. Dorronsoro**, G. Danoy, P. Bouvry, A.J. Nebro, *Multi-objective Cooperative Coevolutionary Evolutionary Algorithms for Continuous and Combinatorial Optimization*, Intelligent Decision Systems in Large-Scale Distributed Environments, P. Bouvry, H. González-Vélez, J. Kołodziej (eds.), Studies in Computational Intelligence series, vol. 362, chapter 3, pp. 49-74, Springer, 2011. ISBN 978-3-642-21270-3.
6. J.E. Pecero, F. Pinel, **B. Dorronsoro**, G. Danoy, P. Bouvry, A.Y. Zomaya, *Efficient Hierarchical Task Scheduling on GRIDS Accounting for Computation and Communications*, Intelligent Decision Systems in Large-Scale Distributed Environments, P. Bouvry, H. González-Vélez, J. Kołodziej (eds.), Studies in Computational Intelligence series, vol. 362, chapter 2, pp. 25-48, Springer, 2011. ISBN 978-3-642-21270-3.
7. J.E. Pecero, **B. Dorronsoro**, M. Guzek, P. Bouvry, *Memetic Algorithms for Energy-Aware Computation and Communications Optimization in Computing Clusters*, Handbook energy-aware and green computing, S. Ranka, I. Ahmad (eds.), Chapman and Hall/CRC Press, Ch 20, pp. 443-473, 2011. ISBN 978-1439850404.
8. F. Xhafa, E. Alba, **B. Dorronsoro**, B. Duran, A. Abraham, *Efficient Batch Job Scheduling in Grids Using Cellular Memetic Algorithms*, in: Metaheuristics for Scheduling in Distributed Computing

Environments, F. Xhafa and A. Ajith (eds.), Studies in Computational Intelligence series, vol. 146, chapter 14, pp. 273-299, Springer-Verlag, 2008. ISBN 978-3-540-69260-7.

9. G. Luque, E. Alba, **B. Dorronsoro**, *Analyzing Parallel Cellular Genetic Algorithms*, in: Optimization Techniques for Solving Complex Problems, chapter 4, E. Alba, C. Blum, P. Isasi, C. Leon and J.A. Gómez (eds.), pp. 49-62, Wiley, 2009. ISBN 978-0-470-29332-4.
10. F. Luna, **B. Dorronsoro**, A.J. Nebro, E. Alba, *Multiobjective Metaheuristics to Optimize the Broadcasting in MANETs*, in: Handbook on Mobile Ad Hoc and Pervasive Communications, M. Denko and L.T. Yang (eds.), American Scientific Publishers, to be released on 26-03-2012. ISBN 978-1-439-84616-2.
11. E. Alba, **B. Dorronsoro**, *A Hybrid Cellular Genetic Algorithm for the Capacitated Vehicle Routing Problem*, in: Engineering Evolutionary Intelligent Systems, Chapter 14, Springer-Verlag, Studies in Computational Intelligence Series, Vol. 82, pp. 379-422, 2008. ISBN: 978-3-540-75395-7.
12. J. Madera, **B. Dorronsoro**, *Estimation of Distribution Algorithms*, E. Alba and R. Martí (eds.), in: Metaheuristics Procedures for Training Neural Networks, chapter 5, Springer, Operations Research/Computer Science Interfaces Series, pp. 87-108, 2006. ISBN: 978-0-387-33415-8.
13. E. Alba, **B. Dorronsoro**, M. Giacobini, M. Tomasini, *Decentralized Cellular Evolutionary Algorithms*, S. Olariu, A. Y. Zomaya (eds.), in: Handbook of Bioinspired Algorithms and Applications, chapter 7, pp. 103-120, 2006. ISBN: 1-58488-475-4.
14. E. Alba, **B. Dorronsoro**, G. Luque, *Parallel Genetic Algorithms*, E. Alba (ed.), in: Parallel Metaheuristics: A New Class of Algorithms, chapter 5, pp 107-125, 2005. ISBN: 0-471-67806-6.
15. E. Alba, F.J. Chicano, C. Cotta, **B. Dorronsoro**, F. Luna, G. Luque, A.J. Nebro, *Metaheurísticas Secuenciales y Paralelas para Optimización de Problemas Complejos*, G. Joya, M. Atencia, A. Ochoa, S. Allende (eds.), In: Optimización Inteligente. Técnicas de Inteligencia Computacional para Optimización, pp. 185-214. 2004. ISBN: 84-9747-034-6.

3. Journal Papers Indexed in Journal Citation Report

1. **B. Dorronsoro**, P. Bouvry, *Improving Classical and Decentralized Differential Evolution with New Mutation Operator and Population Topologies*, IEEE Transactions on Evolutionary Computation, 15(1):67-98, 2011. ISSN 1089-778X.
Impact factor (in 2009): 4.589 (Journal rank in category is 2 out of 103 -quartile Q1- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
2. A.J. Nebro, F. Luna, E. Alba, **B. Dorronsoro**, J.J. Durillo, *AbYSS: Adapting Scatter Search to Multiobjective Optimization*, IEEE Transactions on Evolutionary Computation 12(4):439-457, 2008. ISSN 1089-778X.
Impact factor (in 2009): 4.589 (Journal rank in category is 2 out of 103 -quartile Q1- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
3. E. Alba, **B. Dorronsoro**, *The Exploration/Exploitation Tradeoff in Dynamic Cellular Evolutionary Algorithms*, IEEE Transactions on Evolutionary Computation, 9(2):126-142. 2005. ISSN 1089-778X.
Impact factor (in 2009): 4.589 (Journal rank in category is 2 out of 103 -quartile Q1- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
4. P. Ruiz, **B. Dorronsoro**, E.-G. Talbi, P. Bouvry, *Finding a Robust Configuration for the AEDB Information Dissemination Protocol for Mobile Ad Hoc Networks*, Applied Soft Computing Journal 32:494-508, 2015. ISSN 1568-4946.
Impact factor (in 2014): 2.810 (Journal rank in category is 14 out of 102 -quartile Q1- in category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS)
5. J. Schleich, G. Danoy, **B. Dorronsoro**, P. Bouvry, *Optimising Small-World Properties in VANETs: Centralised and Distributed Overlay Approaches*, Applied Soft Computing Journal, 21:637-646, 2014. ISSN 1568-4946.
Impact factor (in 2014): 2.810 (Journal rank in category is 14 out of 102 -quartile Q1- in category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS)

6. M. Guzek, J. E. Pecero, **B. Dorronsoro**, P. Bouvry, Multi-objective Evolutionary Algorithms for Energy-aware Scheduling on Distributed Computing Systems, *Applied Soft Computing Journal* 24:432-446, 2014. ISSN 1568-4946.
Impact factor (in 2014): 2.810 (Journal rank in category is 14 out of 102 -quartile Q1- in category: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS)
7. **B. Dorronsoro**, G. Danoy, P. Bouvry, *Special Section: Energy-efficiency in Large Distributed Computing Architectures*, *Future Generation Computer Systems* 36:187-188, 2014. ISSN 0167-739X.
Impact factor (in 2014): 2.786 (Journal rank in category is 8 out of 102 - quartile Q1- in category: COMPUTER SCIENCE, THEORY & METHODS)
8. S. Niesmachnow, S. Iturriaga, **B. Dorronsoro**, Efficient Heuristics for Profit Optimization of Virtual Cloud Brokers, *IEEE Computational Intelligence Magazine*, 10(1):33-43, 2015. ISSN 1556-603X.
Impact factor (in 2015): 3.647 (Journal rank in category is 12 out of 130 -quartile Q1- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
9. P. Ruiz, **B. Dorronsoro**, P. Bouvry, L. Tardón, *Information Dissemination in VANETs based upon a Tree Topology*, *Ad hoc networks journal* 10(1):111-127, 2012. DOI: 10.1016/j.adhoc.2011.06.005. ISSN 1570-8705.
Impact factor (in 2011): 2.110 (Journal rank in category is 13 out of 78 -quartile Q1- in category: TELECOMMUNICATIONS)
10. **B. Dorronsoro**, G. Danoy, A.J. Nebro, P. Bouvry, *Achieving Super-linear Performance in Parallel Multi-objective Evolutionary Algorithms by Means of Cooperative Coevolution*, *Computers & Operations Research* 40(6):1552-1563, 2013. ISSN 0305-0548.
Impact factor (in 2013): 1.718 (Journal rank in category is 19 out of 79 - quartile Q1- in category: OPERATIONS RESEARCH & MANAGEMENT SCIENCE)
11. S. Niesmachnow, **B. Dorronsoro**, J. Pecero, P. Bouvry, *Energy-aware scheduling on multicore heterogeneous grid computing systems*, *The Journal of Grid Computing* 11(4):653-680, 2013. ISSN 1570-7873.
Impact factor (in 2013): 1.667 (Journal rank in category is 20 out of 102 - quartile Q1- in category: COMPUTER SCIENCE, THEORY & METHODS)
12. **B. Dorronsoro**, D. Kliazovich, P. Bouvry, A. Zomaya, *Special issue: Green Cloud Computing*, *The Journal of Grid Computing*, 14(1):1-3, DOI 10.1007/s10723-016-9365-z, 2016. ISSN 1570-7873. Factor de impacto (en 2013): 1.667 (clasificada 20 de 102 - cuartil Q1- en la categoría: COMPUTER SCIENCE, THEORY & METHODS)
13. J. L. J. Laredo, P. Bouvry, F. Guinand, **B. Dorronsoro**, C. Fernandes, *The Sandpile Scheduler: How Self-organized Criticality may Lead to Dynamic Load-balancing*, *Cluster Computing, The Journal of Networks, Software Tools, and Applications* 17(2):191-204, 2014. ISSN 1386-7857.
Impact factor (in 2014): 1.510 (Journal rank in category is 24 out of 102 - quartile Q1- in category: COMPUTER SCIENCE, THEORY & METHODS)
14. **B. Dorronsoro**, S. Niesmachnow, *Special Issue on Soft Computing Techniques in Cluster and Grid Computing Systems*, *Cluster Computing, The Journal of Networks, Software Tools, and Applications* 17(2):153-154, 2014. ISSN 1386-7857.
Impact factor (in 2014): 1.510 (Journal rank in category is 24 out of 102 - quartile Q1- in category: COMPUTER SCIENCE, THEORY & METHODS)
15. **B. Dorronsoro**, E. Alba, *Special issue: Bio-inspired algorithms with structured populations*, *Soft Computing* 17(7):1107-1108, 2013. ISSN 1432-7643.
Impact factor (in 2013): 1.304 (Journal rank in category is 59 out of 121 -quartile Q2- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
16. A.J. Nebro, J.J. Durillo, F. Luna, **B. Dorronsoro**, E. Alba, *MOCeLL: A Cellular Genetic Algorithm for Multiobjective Optimization*, *International Journal of Intelligent System* 24(7):726-746, Special Issue on Nature Inspired Cooperative Strategies. 2009. ISSN 0884-8173.
Impact factor (in 2009): 1.194 (Journal rank in category is 63 out of 103 -quartile Q3- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
17. F. Pinel, **B. Dorronsoro**, P. Bouvry, *Solving very large instances of the scheduling of independent tasks problem on the GPU*, *Journal of Parallel and Distributed Computing* 73(1):101-110, 2013. ISSN

0743-7315.

Impact factor (in 2013): 1.011 (Journal rank in category is 37 out of 102 -quartile Q2- in category: COMPUTER SCIENCE, THEORY & METHODS)

18. S. Iturriaga, **B. Dorronsoro**, S. Nesmachnow, *Multiobjective evolutionary algorithms for energy and service level scheduling in a federation of distributed datacenters*, International Transactions in Operational Research 24:199-228, 2017. ISSN 0969-6016.
Impact factor (in 2015): 1.255 (Journal rank in category is 39 out of 82 -quartile Q2- in category: OPERATIONS RESEARCH & MANAGEMENT SCIENCE)
19. F. Pinel, **B. Dorronsoro**, J. Pecero, P. Bouvry, S.U. Khan, *A Two-phase Heuristic for the Energy-efficient Scheduling of Independent Tasks on Computational Grids*, Cluster Computing, The Journal of Networks, Software Tools, and Applications 16(3):421-433, 2013. ISSN 1386-7857.
Impact factor (in 2013): 0.949 (Journal rank in category is 40 out of 102 - quartile Q2- in category: COMPUTER SCIENCE, THEORY & METHODS)
20. P. Ruiz, **B. Dorronsoro**, P. Bouvry, *Finding Scalable Configurations for AEDB Broadcasting Protocol using Multi-objective Evolutionary Algorithms*, Cluster Computing, The Journal of Networks, Software Tools, and Applications 16(3):527-544, 2013. ISSN 1386-7857.
Impact factor (in 2013): 0.949 (Journal rank in category is 40 out of 102 - quartile Q2- in category: COMPUTER SCIENCE, THEORY & METHODS)
21. E. Alba, **B. Dorronsoro**, F. Luna, A.J. Nebro, P. Bouvry, L. Hogie, *A Cellular Multi-Objective Genetic Algorithm for Optimal Broadcasting Strategy in Metropolitan MANETs*, Computer Communications 30(4):685-697, 2007. ISSN 0140-3664.
Impact factor (in 2009): 0.933 (Journal rank in category is 34 out of 77 -quartile Q2- in category: TELECOMMUNICATIONS)
22. P. Ruiz, **B. Dorronsoro**, G. Valentini, F. Pinel, P. Bouvry, *Optimisation of the Enhanced Distance Based Broadcasting Protocol for MANETs*, Journal of Supercomputing 62(3):1213-1240, 2012. ISSN 0920-8542.
Impact factor (in 2012): 0.917 (Journal rank in category is 39 out of 100 - quartile Q2- in category: COMPUTER SCIENCE, THEORY & METHODS)
23. S. Nesmachnow, S. Iturriaga, **B. Dorronsoro**, E.-G. Talbi, P. Bouvry, *Metaheuristics for the Virtual Machine Mapping Problem in Clouds*, Informatica International Journal 26(1):111-134, IOS Press, 2015. ISSN 0868-4952.
Impact factor (in 2015): 1.386 (Journal rank in category is 47 out of 254 -quartile Q1- in category: MATHEMATICS, APPLIED)
24. **B. Dorronsoro**, P. Bouvry, *Cellular genetic algorithms without additional parameters*, Journal of Supercomputing 63(3): 816-835, 2013. ISSN 0920-8542.
Impact factor (in 2013): 0.841 (Journal rank in category is 47 out of 102 -quartile Q2- in category: COMPUTER SCIENCE, THEORY & METHODS)
25. **B. Dorronsoro**, S. Nesmachnow, *Special Issue: Parallel Soft Computing Techniques in High-Performance Computing Systems*, The Computer Journal, to appear, 2016. ISSN 0010-4620. DOI 10.1093/comjnl/bxv087.
Impact factor (in 2015): 1.000 (Journal rank in category is 53 out of 105 -quartile Q3- in category: COMPUTER SCIENCE, THEORY & METHODS)
26. E. Alba, **B. Dorronsoro**, *Computing Nine New Best-So-Far Solutions for Capacitated VRP with a Cellular Genetic Algorithm*, Information Processing Letters, 98(6):225-230. 2006. ISSN 0020-0190.
Impact factor (in 2006): 0.660 (Journal rank in category is 102 out of 132 -quartile Q4- in category: COMPUTER SCIENCE, INFORMATION SYSTEMS)
27. D. G. Reina, P. Ruiz, R.-I. Ciobanu, S. Toral, **B. Dorronsoro**, C. Dobre, *A survey on the Application of Evolutionary Algorithms for Mobile Multi-hop Ad Hoc Network Optimization Problems*, International Journal of Distributed Sensor Networks, vol. 2016, Article ID 2082496, 13 pages, 2016.
doi:10.1155/2016/2082496. ISSN 1550-1329.
Impact factor (in 2015): 0.906 (Journal rank in category is 52 out of 82 -quartile Q3- in category: TELECOMMUNICATIONS)

28. S. Iturriaga, S. Nesmachnow, P. Ruiz, P. Bouvry, **B. Dorrnsoro**, *AEDB Protocol Tuning with a Fast Efficient Parallel Multi-Objective Local Search*, Int. J. of Ad Hoc and Ubiquitous Computing 17(2/3), pp. 144-161, 2014. ISSN 1743-8225.
Impact factor (in 2015): 0.906 (Journal rank in category is 52 out of 82 -quartile Q3- in category: TELECOMMUNICATIONS)
29. F. Xhafa, J. Carretero, **B. Dorrnsoro**, E. Alba, *A Tabu Search Algorithm for Scheduling Independent Jobs in Computational Grids*, Computing and Informatics Journal, special issue on Intelligent Computational Methods and Models, vol. 28:1001-1014, 2009. ISSN 1335-9150.
Impact factor (in 2009): 0.456 (Journal rank in category is 94 out of 103 -quartile Q4- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)
30. S. Iturriaga, S. Nesmachnow, **B. Dorrnsoro**, P. Bouvry, *Energy Efficient Scheduling in Heterogeneous Systems with a Parallel Multiobjective Local Search*, Computing and Informatics Journal, 32(2):273-294, 2013. ISSN 1335-9150.
Impact factor (in 2013): 0.319 (Journal rank in category is 115 out of 121 -quartile Q4- in category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)

4. Peer Reviewed Journal Papers (not in Journal Citation Report)

1. S. Varrette, **B. Dorrnsoro**, D. Kliazovich, P. Bouvry, A. Zomaya, *Special Issue: Metaheuristics and the Cloud*, International Journal of Metaheuristics 4(2):113, 2015, ISSN 1755-2176.
2. J. M. Cortes-Mendoza, A. Tchernykh, A.-M. Simionovici, P. Bouvry, S. Nesmachnow, **B. Dorrnsoro**, L. Didelot, *VoIP Service Model for Multi-objective Scheduling in Cloud Infrastructure*, International Journal of Metaheuristics 4(2):185-203, 2015, ISSN 1755-2176.
3. **B. Dorrnsoro**, S. Nesmachnow, J. Taheri, A. Y. Zomaya, E.-G. Talbi, P. Bouvry, *A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems*, Sustainable Computing: Informatics and Systems, 4(4):252-261, 2014, ISSN 2210-5379.
4. F. Pinel, **B. Dorrnsoro**, *Savant: Automatic Generation of a Parallel Scheduling Heuristic for Map-Reduce*, The International Journal of Hybrid Intelligent Systems, 11(4):287-302, 2014. ISSN 1448-5869.
5. G. Danoy, J. Schleich, P. Bouvry, **B. Dorrnsoro**, *A Parallel Multi-Objective Cooperative Coevolutionary Algorithm for Optimising Small-World Properties in VANETs*, CLEI Electronic Journal 17(1):paper 1, 2014. ISSN 0717- 5000.
6. G. Danoy, J. E. Pecero, P. Bouvry, **B. Dorrnsoro**, E.-G. Talbi, M. Seredynski, S. Nesmachnow, *Special Issue on Metaheuristics for Security, Reliability and Trust*, International Journal of Metaheuristics 2(4):329-332, 2013. ISSN 1755-2184.
7. G. Danoy, P. Bouvry, S.U. Khan, **B. Dorrnsoro**, S. Varrette, *Special Issue: Optimization Issues in Energy Efficient Distributed System*, International Journal on Communication Networks and Distributed Systems 9(3/4), 2012. ISSN 1754-3924.
8. G. Danoy, **B. Dorrnsoro**, P. Bouvry, *New State-of-the-art Results for Cassini2 Global Trajectory Optimization Problem*, Acta Futura 5:65-72, The Journal of the Advanced Concepts Team, European Space Agency Publication, 2012. ISSN 2309-1940.
9. F. Xhafa, E. Alba, **B. Dorrnsoro**, y B. Duran, *Efficient Batch Job Scheduling in Grids Using Cellular Memetic Algorithms*, Journal of Mathematical Modelling and Algorithms, 7(2):217-236, Springer, 2008. ISSN: 1570-1166
10. E. Alba, **B. Dorrnsoro**, H. Alfonso, *Cellular Memetic Algorithms*, Journal of Computer Science and Technology, 5(4):257-263. 2006. ISSN 1666-6038.

5. International Conference Papers

1. J. Alsina, S. Iturriaga, S. Neschachnow, A. Tchernykh, **B. Dorronsoro**, *Virtual machine planning for cloud brokerin considering geolocation and data transfer*, 8th IEEE International Conference on Cloud Computing Technology and Science, to appear, Luxembourg, 2016.
2. A. Santiago, **B. Dorronsoro**, A.J. Nebro, J.J. Durillo, H. Fraire, *A multi-objective evolutionary algorithm with adaptive selection of operators*, The 6th International Conference on Metaheuristics and Nature Inspired Computing (META), to appear, Marrakech, Morocco, 2016.
3. A. Atashpendar, **B. Dorronsoro**, G. Danoy and P. Bouvry, *A Parallel Cooperative Coevolutionary SMP SO Algorithm for Multi-objective Optimization*, International Workshop on Parallel Optimization using/for Multi and Many-core High Performance Computing (POMCO), part of the International Conference on High Performance Computing & Simulation (HPCS), pp. 713-720, 2016. ISBN 978-1-5090-2088-1.
4. S. Iturriaga, S. Neschachnow, A. Tchernykh and **B. Dorronsoro**, *Multiobjective Workflow Scheduling in a Federation of Heterogeneous Green-Powered Data Centers*, Doctoral Symposium of The 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (IEEE/ACM CCGrid 2016), pp. 596-599, 2016. ISBN 978-1-5090-2453-7/16.
5. S. Varrette, **B. Dorronsoro**, P. Bouvry, *An LLVM-based Approach to Generate Energy Aware Code by means of MOEAs*, 7th European Symposium on Computational Intelligence and Mathematics (ESCIM 2015), pp. 198-204, 2015. ISBN 978-84-608-2823-5.
6. J. Muszynski, S. Varrette, **B. Dorronsoro**, P. Bouvry, *Distributed Cellular Evolutionary Algorithms in a Byzantine Environment*, Nature Inspired Distributed Computing (NIDISC) sessions of the International Parallel and Distributed Processing Symposium (IPDPS) 2015 Workshop, pp. 207-213, Hyderabad, India, 2015. ISBN 978-1-4673-7684-6.
7. S. Neschachnow, **B. Dorronsoro**, P. Bouvry, *Energy-aware workflow scheduling in datacenters*, the VIII ALIO/EURO Workshop on Applied Combinatorial Optimization, to appear, 2014.
8. G. Portaluri, S. Giordano, D. Kliazovich, **B. Dorronsoro**, *A Power Efficient Genetic Algorithm for Resource Allocation in Cloud Computing Data Centers*, IEEE 3rd International Conference on Cloud Networking (CloudNet), pp. 58-63, 2014. ISBN 978-1-4799-2730-2.
9. **B. Dorronsoro**, S. Neschachnow, *A Two-level Job Scheduler for Large Distributed Systems*, International Conference on Metaheuristics and Nature Inspired Computing (META), to appear, 2014.
10. **B. Dorronsoro**, P. Ruiz, E-G. Talbi, A. Piyatumrong, P. Bouvry, *Optimizing AEDB Broadcasting Protocol with Parallel Multi-objective Cooperative Coevolutionary NSGAI I, EVOCOMNET/EVOApplications*, part of EVO*, Lecture Notes in Computer Science vol. 8602, pp. 39-50, 2014. ISSN 0302-9743.
11. A. J. Nebro, J. J. Durillo, M. Machín, C. A. A. Coello Coello, **B. Dorronsoro**, *A Study of the Combined Use of Variation Operators in the Multi-objective Evolutionary Algorithm NSGA-II*, Advances in Artificial Intelligence, Lecture Notes in Computer Science vol. 8109, pp. 269-278, 2013. ISSN 0302-9743.
12. S. Iturriaga, S. Neschachnow, **B. Dorronsoro**, E.-G. Talbi and P. Bouvry, *A parallel hybrid evolutionary algorithm for the optimization of broker virtual machines subletting in cloud systems*, The 2-nd International Workshop on Soft Computing Techniques in Cluster and Grid Computing Systems (SCCG), part of the 8th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, Compiegne, France, pp. 594-599, 2013. ISBN 978-0-7695-5094-7.
13. S. Neschachnow, S. Iturriaga, **B. Dorronsoro**, E.-G. Talbi and P. Bouvry, *List scheduling heuristics for virtual machine mapping in cloud systems*, VI Latin American Symposium on High Performance Computing (HPCLatam), Mendoza, Argentina, to appear, 2013.
14. G. Danoy, J. Schleich, **B. Dorronsoro**, P. Bouvry, *Optimising Small-World Properties in VANETs with a Parallel Multi-Objective Coevolutionary Algorithm*, VI Latin American Symposium on High

Performance Computing (HPCLatam), Mendoza, Argentina, to appear, 2013.

15. F. Pinel, **B. Dorronsoro**, P. Bouvry, S. U. Khan, Savant: Automatic Parallelization of a Scheduling Heuristic with Machine Learning, Fifth World Congress on Nature and Biologically Inspired Computing (NaBIC), pp. 52-57, Fargo, USA, 2013.
16. F. Pinel, **B. Dorronsoro**, P. Bouvry, S. U. Khan, It's Not a Bug, It's a Feature. Wait-free Asynchronous Cellular Genetic Algorithm, 10th International Conference on Parallel Processing and Applied Mathematics, Lecture Notes in Computer Science, vol. 8384, pp. 361-370, Warsaw, Poland, 2014.
17. M. Seredynski, **B. Dorronsoro**, D. Khadraoui, Comparison of Green Light Optimal Speed Advisory Approaches, 16th International IEEE Annual Conference on Intelligent Transportation Systems, to appear, 2013. ISBN 978-1-4799-2914-6.
18. A.-A. Tantar, A. Q. Nguyen, P. Bouvry, **B. Dorronsoro** and El-Ghazali Talbi, Computational Intelligence for Cloud Management: Current Trends and Opportunities, Proceedings of the IEEE Congress on Evolutionary Computation (CEC), part of World Conference in Computational Intelligence (WCCI), pp. 1286-1293. 2013. ISBN 978-1-4799-0453-2.
19. S. Iturriaga, P. Ruiz, S. Nesmachnow, **B. Dorronsoro**, P. Bouvry, A Parallel Multi-objective Local Search for AEDB Protocol Tuning, Nature Inspired Distributed Computing (NIDISC) sessions of the International Parallel and Distributed Processing Symposium (IPDPS) 2013 Workshop, Boston, USA, pp. 415-424, 2013. ISBN 978-0-7695-4979-8/13.
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