

# Final set of papers

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## IEEE:

- 1: G. G. Magalhães, A. L. Sartor, A. F. Lorenzon, P. O. A. Navaux and A. C. Schneider Beck, "How Programming Languages and Paradigms Affect Performance and Energy in Multithreaded Applications," 2016 VI Brazilian Symposium on Computing Systems Engineering (SBESC), 2016, pp. 71-78, doi: 10.1109/SBESC.2016.019. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/7828287>
- 7: T. Rauber, G. Rünger and M. Stachowski, "Towards New Metrics for Appraising Performance and Energy Efficiency of Parallel Scientific Programs," 2017 IEEE International Conference on Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData), 2017, pp. 466-474, doi: 10.1109/iThings-GreenCom-CPSCom-SmartData.2017.75. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/8276794>
- 10: R. Gonçalves, A. Girardi and C. Schepke, "Performance and Energy Consumption Analysis of Coprocessors Using Different Programming Models," 2018 26th Euromicro International Conference on Parallel, Distributed and Network-based Processing (PDP), 2018, pp. 508-512, doi: 10.1109/PDP2018.2018.00086. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/8374509>
- 19: G. Pinto, K. Liu, F. Castor and Y. D. Liu, "A Comprehensive Study on the Energy Efficiency of Java's Thread-Safe Collections," 2016 IEEE International Conference on Software Maintenance and Evolution (ICSME), 2016, pp. 20-31, doi: 10.1109/ICSME.2016.34. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/7816451>

- 54: S. M. V. N. Marques et al., "The Impact of Turbo Frequency on the Energy, Performance, and Aging of Parallel Applications," 2019 IFIP/IEEE 27th International Conference on Very Large Scale Integration (VLSI-SoC), 2019, pp. 149-154, doi: 10.1109/VLSI-SoC.2019.8920389. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/8920389>
- 55: M. Mirka, G. Devic, F. Bruguier, G. Sassatelli and A. Gamatié, "Automatic Energy-Efficiency Monitoring of OpenMP Workloads," 2019 14th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC), 2019, pp. 43-50, doi: 10.1109/ReCoSoC48741.2019.9034988. <https://ieeexplore-ieee-org.proxy.bnl.lu/document/9034988>

## ACM:

- 3: Suejb Memeti, Lu Li, Sabri Pllana, Joanna Kolodziej, and Christoph Kessler. 2017. Benchmarking OpenCL, OpenACC, OpenMP, and CUDA: Programming Productivity, Performance, and Energy Consumption. In Proceedings of the 2017 Workshop on Adaptive Resource Management and Scheduling for Cloud Computing (ARMS-CC '17). Association for Computing Machinery, New York, NY, USA, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/3110355.3110356>
- 6: Rui Pereira, Marco Couto, João Saraiva, Jácome Cunha, and João Paulo Fernandes. 2016. The influence of the Java collection framework on overall energy consumption. In Proceedings of the 5th International Workshop on Green and Sustainable Software (GREENS '16). Association for Computing Machinery, New York, NY, USA, 15–21. <https://doi-org.proxy.bnl.lu/10.1145/2896967.2896968>
- 18: Shouq Alsubaihi and Jean-Luc Gaudiot. 2017. PETRAS: Performance, Energy and Thermal Aware Resource Allocation and Scheduling for Heterogeneous Systems. In Proceedings of the 8th International Workshop on Programming Models and Applications for Multicores and Manycores (PMAM'17). Association for Computing Machinery, New York, NY, USA, 29–38. <https://doi-org.proxy.bnl.lu/10.1145/3026937.3026944>
- 19: Zakaria Ournani, Mohammed Chakib Belgaid, Romain Rouvoy, Pierre Rust, and Joël Penhoat. 2021. Evaluating the Impact of Java Virtual Machines on Energy Consumption. In Proceedings of the 15th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM) (ESEM '21). Association for Computing Machinery, New York, NY, USA, Article 15, 1–11. <https://doi-org.proxy.bnl.lu/10.1145/3475716.3475774>

- 42: Matthew Benjamin Olson, Joseph T. Teague, Divyani Rao, Michael R. JANTZ, Kshitij A. Doshi, and Prasad A. Kulkarni. 2018. Cross-Layer Memory Management to Improve DRAM Energy Efficiency. *ACM Trans. Archit. Code Optim.* 15, 2, Article 20 (June 2018), 27 pages. <https://doi-org.proxy.bnl.lu/10.1145/3196886>
- 87: Md Farhadur Reza and Paul Ampadu. 2019. Approximate Communication Strategies for Energy-Efficient and High Performance NoC: Opportunities and Challenges. In *Proceedings of the 2019 on Great Lakes Symposium on VLSI (GLSVLSI '19)*. Association for Computing Machinery, New York, NY, USA, 399–404. <https://doi-org.proxy.bnl.lu/10.1145/3299874.3319455>