

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.
2. J. Pu, Z. J. Song and E. Tilevich, "Understanding the Energy, Performance, and Programming Effort Trade-Offs of Android Persistence Frameworks," 2016 IEEE 24th International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS), 2016, pp. 433-438, doi: 10.1109/MASCOTS.2016.42.
3. M. Malik, A. Sasan, R. Joshi, S. Rafatirah and H. Homayoun, "Characterizing Hadoop applications on microservers for performance and energy efficiency optimizations," 2016 IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS), 2016, pp. 153-154, doi: 10.1109/ISPASS.2016.7482087.
4. N. Schmitt, J. Bucek, J. Beckett, A. Cragin, K. -D. Lange and S. Kounev, "Performance, Power, and Energy-Efficiency Impact Analysis of Compiler Optimizations on the SPEC CPU 2017 Benchmark Suite," 2020 IEEE/ACM 13th International Conference on Utility and Cloud Computing (UCC), 2020, pp. 292-301, doi: 10.1109/UCC48980.2020.00047.
5. Y. Zhang, Y. Zhu, F. Yan, Z. Li and L. Shen, "Semidefinite programming based resource allocation for energy consumption minimization in software defined wireless sensor networks," 2016 IEEE 27th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), 2016, pp. 1-6, doi: 10.1109/PIMRC.2016.7794902.
6. J. Lagravière, J. Langguth, M. Sourouri, P. H. Ha and X. Cai, "On the performance and energy efficiency of the PGAS programming model on multicore architectures," 2016 International Conference on High Performance Computing Simulation (HPCS), 2016, pp. 800-807, doi: 10.1109/HPC-Sim.2016.7568416.
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.
8. G. Pinto, K. Liu, F. Castor and Y. D. Liu, "Artifacts for "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. 614-615, doi: 10.1109/ICSME.2016.86.
9. C. Pitis and Z. Al-Chalabi, "Evaluation of energetic efficiency of the industrial systems by using benchmark energy factor," 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), 2016, pp. 1-5, doi: 10.1109/CCECE.2016.7726669.
 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.
 11. J. C. Kirstein and A. C. Brent, "Business benchmarking of global operations: The case of water and energy consumption in the brewery industry," 2017 IEEE Technology Engineering Management Conference (TEMSCON), 2017, pp. 283-288, doi: 10.1109/TEMSCON.2017.7998390.
 12. S. Branchetti, G. Ciaccio, P. De Sabbata, A. Frascella, G. Nigliaccio and M. Zambelli, "Energy saving and efficiency tool: A sectorial decision support model for energy consumption reduction in manufacturing SMEs," 2016 5th International Conference on Smart Cities and Green ICT Systems (SMARTGREENS), 2016, pp. 1-10.
 13. J. Coplin and M. Burtscher, "Energy, Power, and Performance Characterization of GPGPU Benchmark Programs," 2016 IEEE International Parallel and Distributed Processing Symposium Workshops (IPDPSW), 2016, pp. 1190-1199, doi: 10.1109/IPDPSW.2016.164.
 14. Y. Wang et al., "Benchmarking the Performance and Energy Efficiency of AI Accelerators for AI Training," 2020 20th IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGRID), 2020, pp. 744-751, doi: 10.1109/CCGrid49817.2020.00-15.
 15. Minho Ju, Hyeonggyu Kim and S. Kim, "MofySim: A mobile full-system simulation framework for energy consumption and performance analysis," 2016 IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS), 2016, pp. 245-254, doi: 10.1109/ISPASS.2016.7482099.
 16. W. Oliveira, W. Torres, F. Castor and B. H. Ximenes, "Native or Web? A Preliminary Study on the Energy Consumption of Android Development Models," 2016 IEEE 23rd International Conference on Software Analysis, Evolution, and Reengineering (SANER), 2016, pp. 589-593, doi: 10.1109/SANER.2016.93.
 17. N. Bombieri, F. Busato, F. Fummi and M. Scala, "MIPP: A microbenchmark suite for performance, power, and energy consumption characterization of GPU architectures," 2016 11th IEEE Symposium on Industrial Embedded Systems (SIES), 2016, pp. 1-6, doi: 10.1109/SIES.2016.7509423.

18. D. Guyon, A. Orgerie and C. Morin, "An Experimental Analysis of PaaS Users Parameters on Applications Energy Consumption," 2018 IEEE International Conference on Cloud Engineering (IC2E), 2018, pp. 170-176, doi: 10.1109/IC2E.2018.00040.
19. G. Pinto, K. Liu, F. Castor and Y. D. Liu, "Artifacts for "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. 614-615, doi: 10.1109/ICSME.2016.86.
20. D. Yüksel, M. F. Tasgetiren, L. Kandiller and Q. -K. Pan, "Metaheuristics for Energy-Efficient No-Wait Flowshops: A Trade-off Between Makespan and Total Energy Consumption," 2020 IEEE Congress on Evolutionary Computation (CEC), 2020, pp. 1-8, doi: 10.1109/CEC48606.2020.9185554.
21. X. Yang, Z. Li, X. Ge and H. -C. Chao, "Energy-Efficiency Optimization of UAV-Assisted Internet of Things," 2020 IEEE 6th International Conference on Computer and Communications (ICCC), 2020, pp. 934-940, doi: 10.1109/ICCC51575.2020.9344950.
22. M. A. N. Al-hayanni, R. Shafik, A. Rafiev, F. Xia and A. Yakovlev, "Speedup and Parallelization Models for Energy-Efficient Many-Core Systems Using Performance Counters," 2017 International Conference on High Performance Computing Simulation (HPCS), 2017, pp. 410-417, doi: 10.1109/HPCS.2017.68.
23. M. Kumar and W. Shi, "Energy Consumption Analysis of Java Command-line Options," 2019 Tenth International Green and Sustainable Computing Conference (IGSC), 2019, pp. 1-8, doi: 10.1109/IGSC48788.2019.8957172.
24. M. A. Ribeiro, I. A. Carvalho, J. F. Chaves, G. L. Pappa and O. P. Vilela Neto, "Improving Energy Efficiency of Field-Coupled Nanocomputing Circuits by Evolutionary Synthesis," 2018 IEEE Congress on Evolutionary Computation (CEC), 2018, pp. 1-8, doi: 10.1109/CEC.2018.8477723.
25. J. De Macedo, R. Abreu, R. Pereira and J. Saraiva, "On the Runtime and Energy Performance of WebAssembly: Is WebAssembly superior to JavaScript yet?," 2021 36th IEEE/ACM International Conference on Automated Software Engineering Workshops (ASEW), 2021, pp. 255-262, doi: 10.1109/ASEW52652.2021.00056.
26. W. Oliveira, R. Oliveira and F. Castor, "A Study on the Energy Consumption of Android App Development Approaches," 2017 IEEE/ACM 14th International Conference on Mining Software Repositories (MSR), 2017, pp. 42-52, doi: 10.1109/MSR.2017.66.
27. Q. He, B. Segee and V. Weaver, "Raspberry Pi 2 B+ GPU Power, Performance, and Energy Implications," 2016 International Conference on Computational Science and Computational Intelligence (CSCI), 2016, pp. 163-167, doi: 10.1109/CSCI.2016.0038.

28. O. V. Moldovanova, M. G. Kurnosov and A. Mel'nikov, "Energy Efficiency and Performance of Auto-Vectorized Loops on Intel Xeon Processors," 2018 3rd Russian-Pacific Conference on Computer Technology and Applications (RPC), 2018, pp. 1-6, doi: 10.1109/RPC.2018.8482210.
29. S. A. Arshad, H. F. Sheikh and I. Ahmad, "A comparison of evolutionary techniques for task-to-core scheduling algorithms with performance, energy, and temperature optimization," 2016 Seventh International Green and Sustainable Computing Conference (IGSC), 2016, pp. 1-8, doi: 10.1109/IGCC.2016.7892608.
30. M. Qasaimeh, K. Denolf, J. Lo, K. Vissers, J. Zambreno and P. H. Jones, "Comparing Energy Efficiency of CPU, GPU and FPGA Implementations for Vision Kernels," 2019 IEEE International Conference on Embedded Software and Systems (ICESS), 2019, pp. 1-8, doi: 10.1109/ICESS.2019.8782524.
31. K. Erdoğan and K. Karabulut, "Distance and Energy Consumption Minimization in Electric Traveling Salesman Problem with Time Windows," 2020 7th International Conference on Electrical and Electronics Engineering (ICEEE), 2020, pp. 160-164, doi: 10.1109/ICEEE49618.2020.9102602.
32. J. Park and W. Baek, "Quantifying the Performance and Energy-Efficiency Impact of Hardware Transactional Memory on Scientific Applications on Large-Scale NUMA Systems," 2018 IEEE International Parallel and Distributed Processing Symposium (IPDPS), 2018, pp. 804-813, doi: 10.1109/IPDPS.2018.00090.
33. K. Y. Kim, J. Park and W. Baek, "IACM: Integrated adaptive cache management for high-performance and energy-efficient GPGPU computing," 2016 IEEE 34th International Conference on Computer Design (ICCD), 2016, pp. 380-383, doi: 10.1109/ICCD.2016.7753308.
34. A. Lopes, F. Pratas, L. Sousa and A. Ilic, "Exploring GPU performance, power and energy-efficiency bounds with Cache-aware Roofline Modeling," 2017 IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS), 2017, pp. 259-268, doi: 10.1109/ISPASS.2017.7975297.
35. D. Horak, L. Riha, R. Sojka, J. Kruzik and M. Beseda, "Energy consumption optimization of the Total-FETI solver and BLAS routines by changing the CPU frequency," 2016 International Conference on High Performance Computing Simulation (HPCS), 2016, pp. 1031-1032, doi: 10.1109/HPC-Sim.2016.7568453.
36. K. Tang et al., "Power-Capping Aware Checkpointing: On the Interplay Among Power-Capping, Temperature, Reliability, Performance, and Energy," 2016 46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), 2016, pp. 311-322, doi: 10.1109/DSN.2016.36.
37. G. Papadimitriou, M. Kaliorakis, A. Chatzidimitriou, D. Gizopoulos, P. Lawthers and S. Das, "Harnessing Voltage Margins for Energy Efficiency

- in Multicore CPUs,” 2017 50th Annual IEEE/ACM International Symposium on Microarchitecture (MICRO), 2017, pp. 503-516.
38. H. M. Makrani, S. Tabatabaei, S. Rafatirad and H. Homayoun, ”Understanding the role of memory subsystem on performance and energy-efficiency of Hadoop applications,” 2017 Eighth International Green and Sustainable Computing Conference (IGSC), 2017, pp. 1-6, doi: 10.1109/IGCC.2017.8323591.
 39. F. C. Heinrich et al., ”Predicting the Energy-Consumption of MPI Applications at Scale Using Only a Single Node,” 2017 IEEE International Conference on Cluster Computing (CLUSTER), 2017, pp. 92-102, doi: 10.1109/CLUSTER.2017.66.
 40. A. Ranjan, A. Raha, V. Raghunathan and A. Raghunathan, ”Approximate memory compression for energy-efficiency,” 2017 IEEE/ACM International Symposium on Low Power Electronics and Design (ISLPED), 2017, pp. 1-6, doi: 10.1109/ISLPED.2017.8009173.
 41. Y. Chen, X. Li, R. C. D. Ferreira, M. Gül, I. Nikolaidis and O. Ardakanian, ”Evaluating and Improving the Energy Performance of School Buildings with a Proposed Real-Time Monitoring System,” 2018 IEEE Conference on Technologies for Sustainability (SusTech), 2018, pp. 1-8, doi: 10.1109/SusTech.2018.8671347.
 42. Y. Huang, Y. Liu and G. Y. Li, ”Energy Efficiency of Distributed Antenna Systems With Wireless Power Transfer,” in IEEE Journal on Selected Areas in Communications, vol. 37, no. 1, pp. 89-99, Jan. 2019, doi: 10.1109/JSAC.2018.2872362.
 43. F. Lezama, J. Soares, B. Canizes and Z. Vale, ”A Statistical Analysis of Performance in the 2021 CEC-GECCO-PESGM Competition on Evolutionary Computation in the Energy Domain,” 2021 IEEE Symposium Series on Computational Intelligence (SSCI), 2021, pp. 1-8, doi: 10.1109/SSCI50451.2021.9660117.
 44. J. V. F. Lima, I. Raïs, L. Lefevre and T. Gautier, ”Performance and Energy Analysis of OpenMP Runtime Systems with Dense Linear Algebra Algorithms,” 2017 International Symposium on Computer Architecture and High Performance Computing Workshops (SBAC-PADW), 2017, pp. 7-12, doi: 10.1109/SBAC-PADW.2017.10.
 45. Y. Wang, T. Zhao, L. Li, Z. Hou and J. Gu, ”Roofline Model Based Performance-Aware Energy Management for Scientific Computing,” 2018 9th International Symposium on Parallel Architectures, Algorithms and Programming (PAAP), 2018, pp. 74-80, doi: 10.1109/PAAP.2018.00020.
 46. R. W. Ahmad et al., ”Performance Assessment of Dynamic Analysis Based Energy Estimation Tools,” 2018 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS), 2018, pp. 1-12, doi: 10.1109/SPECTS.2018.8574182.

47. T. Baruah, Y. Sun, S. Dong, D. Kaeli and N. Rubin, "Airavat: Improving energy efficiency of heterogeneous applications," 2018 Design, Automation Test in Europe Conference Exhibition (DATE), 2018, pp. 731-736, doi: 10.23919/DATE.2018.8342104.
48. M. H. Ly, T. Quang Dinh and H. H. Kha, "Joint Optimization of Execution Latency and Energy Consumption for Mobile Edge Computing with Data Compression and Task Allocation," 2019 International Symposium on Electrical and Electronics Engineering (ISEE), 2019, pp. 113-118, doi: 10.1109/ISEE2.2019.8921011.
49. S. B. K. Ntsaluba and N. Nwulu, "Analysis of the practical implementation of Energy Performance Certificate for Buildings of Academic Institution in South Africa," 2021 International Conference on Electrical, Computer and Energy Technologies (ICECET), 2021, pp. 1-7, doi: 10.1109/ICECET52533.2021.9698726.
50. K. Davaslioglu, C. C. Coskun and E. Ayanoglu, "New algorithms for maximizing cellular wireless network energy efficiency," 2016 Information Theory and Applications Workshop (ITA), 2016, pp. 1-10, doi: 10.1109/ITA.2016.7888190.
51. M. Patrou, K. B. Kent, J. Siu and M. Dawson, "Energy and Runtime Performance Optimization of Node.js Web Requests," 2021 IEEE International Conference on Cloud Engineering (IC2E), 2021, pp. 71-82, doi: 10.1109/IC2E52221.2021.00021.
52. J. L. Steuler, M. Beck, B. N. Passow and M. Guckert, "Optimizing the Energy Consumption of Neural Networks," 2020 IEEE Symposium Series on Computational Intelligence (SSCI), 2020, pp. 2312-2319, doi: 10.1109/SSCI47803.2020.9308576.
53. B. Kerdsup and S. Kreuawan, "Design of synchronous reluctance motors with IE4 energy efficiency standard competitive to BLDC motors used for blowers in air conditioners," 2017 IEEE International Electric Machines and Drives Conference (IEMDC), 2017, pp. 1-6, doi: 10.1109/IEMDC.2017.8002025.
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.
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.

56. S. Fatima and V. M. Vishwanath, "A Heterogeneous Dynamic Scheduling Minimized Make-span For Energy and Performance Balancing," 2018 Second International Conference on Advances in Electronics, Computers and Communications (ICAECC), 2018, pp. 1-7, doi: 10.1109/ICAECC.2018.8479505.
57. T. T. Vu and H. H. Kha, "Optimal precoder designs for energy-efficiency maximization in secure MIMO systems," 2016 3rd National Foundation for Science and Technology Development Conference on Information and Computer Science (NICS), 2016, pp. 50-55, doi: 10.1109/NICS.2016.7725666.
58. Y. Zhang et al., "Energy Consumption Optimal Design of Power Grid Inspection Trajectory for UAV Mobile Edge Computing Node," 2021 6th Asia Conference on Power and Electrical Engineering (ACPEE), 2021, pp. 1316-1321, doi: 10.1109/ACPEE51499.2021.9436834.
59. P. HongYu, S. FuJian, W. Kan, H. TianLu, X. DeQuan and X. LeXi, "A Non-Cooperative Data Center Energy Consumption Optimization Strategy Based on SDN Structure," 2021 IEEE 20th International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom), 2021, pp. 1386-1390, doi: 10.1109/TrustCom53373.2021.00194.
60. SukHwan Lim, Yong Pan Liu, Luca Benini, Tanay Karnik, Hsie-Chia Chang, F1: Striking the Balance Between Energy Efficiency Flexibility: General-Purpose vs Special-Purpose ML Processors, 2021 IEEE International Solid- State Circuits Conference (ISSCC).
61. N. R. Pradhan and A. P. Singh, "Performance Analysis of a Blockchain Based Peer-to-Peer Energy Trading Framework," 2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), 2021, pp. 1-7, doi: 10.1109/GUCON50781.2021.9573668.

ACM:

1. Rui Pereira, Marco Couto, Francisco Ribeiro, Rui Rua, Jácome Cunha, João Paulo Fernandes, and João Saraiva. 2017. Energy efficiency across programming languages: how do energy, time, and memory relate? In Proceedings of the 10th ACM SIGPLAN International Conference on Software Language Engineering (SLE 2017). Association for Computing Machinery, New York, NY, USA, 256–267. <https://doi-org.proxy.bnl.lu/10.1145/3136014.3136031>
2. Gilberto Melfe, Alcides Fonseca, and João Paulo Fernandes. 2018. Evaluation of the impact on energy consumption of lazy versus strict evaluation of Haskell data-structures. In Proceedings of the XXII Brazilian Symposium on Programming Languages (SBLP '18). Association for Computing Machinery, New York, NY, USA, 83–89. <https://doi-org.proxy.bnl.lu/10.1145/3264637.3264648>
3. Suejb Memeti, Lu Li, Sabri Pllana, Joanna Kołodziej, 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>
4. Maciej Besta, Syed Minhaj Hassan, Sudhakar Yalamanchili, Rachata Ausavarunirun, Onur Mutlu, and Torsten Hoefler. 2018. Slim NoC: A Low-Diameter On-Chip Network Topology for High Energy Efficiency and Scalability. Proceedings of the Twenty-Third International Conference on Architectural Support for Programming Languages and Operating Systems. Association for Computing Machinery, New York, NY, USA, 43–55. <https://doi-org.proxy.bnl.lu/10.1145/3173162.3177158>
5. Jóakim von Kistowski, Klaus-Dieter Lange, Jeremy A. Arnold, Sanjay Sharma, Johann Pais, and Hansfried Block. 2018. Measuring and Benchmarking Power Consumption and Energy Efficiency. In Companion of the 2018 ACM/SPEC International Conference on Performance Engineering (ICPE '18). Association for Computing Machinery, New York, NY, USA, 57–65. <https://doi-org.proxy.bnl.lu/10.1145/3185768.3185775>
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>
7. Zakaria Ournani, Mohammed Chakib Belgaid, Romain Rouvoy, Pierre Rust, Joel Penhoat, and Lionel Seinturier. 2020. Taming Energy Consumption Variations In Systems Benchmarking. In Proceedings of the

- ACM/SPEC International Conference on Performance Engineering (ICPE '20). Association for Computing Machinery, New York, NY, USA, 36–47. <https://doi-org.proxy.bnl.lu/10.1145/3358960.3379142>
8. Michael Stokes, Ryan Baird, Zhaoxiang Jin, David Whalley, and Soner Onder. 2018. Decoupling address generation from loads and stores to improve data access energy efficiency. In Proceedings of the 19th ACM SIGPLAN/SIGBED International Conference on Languages, Compilers, and Tools for Embedded Systems (LCTES 2018). Association for Computing Machinery, New York, NY, USA, 65–75. <https://doi-org.proxy.bnl.lu/10.1145/3211332.3211340>
 9. Norbert Schmitt, James Bucek, Klaus-Dieter Lange, and Samuel Kounev. 2020. Energy Efficiency Analysis of Compiler Optimizations on the SPEC CPU 2017 Benchmark Suite. In Companion of the ACM/SPEC International Conference on Performance Engineering (ICPE '20). Association for Computing Machinery, New York, NY, USA, 38–41. <https://doi-org.proxy.bnl.lu/10.1145/3375555.3383759>
 10. James Pallister, Steve Kerrison, Jeremy Morse, and Kerstin Eder. 2017. Data Dependent Energy Modeling for Worst Case Energy Consumption Analysis. In Proceedings of the 20th International Workshop on Software and Compilers for Embedded Systems (SCOPEs '17). Association for Computing Machinery, New York, NY, USA, 51–59. <https://doi-org.proxy.bnl.lu/10.1145/3078659.3078666>
 11. Zheng Yang, Jonathan Roth, and Rishee K. Jain. 2016. Data-driven benchmarking of building energy performance at the city scale. In Proceedings of the 2nd ACM SIGSPATIAL Workshop on Smart Cities and Urban Analytics (UrbanGIS '16). Association for Computing Machinery, New York, NY, USA, Article 1, 1–4. <https://doi-org.proxy.bnl.lu/10.1145/3007540.3007541>
 12. Erik Jagroep, Jordy Broekman, Jan Martijn E. M. van der Werf, Sjaak Brinkkemper, Patricia Lago, Leen Blom, and Rob van Vliet. 2017. Awakening awareness on energy consumption in software engineering. In Proceedings of the 39th International Conference on Software Engineering: Software Engineering in Society Track (ICSE-SEIS '17). IEEE Press, 76–85. <https://doi-org.proxy.bnl.lu/10.1109/ICSE-SEIS.2017.10>
 13. Wellington Oliveira, Renato Oliveira, and Fernando Castor. 2017. A study on the energy consumption of Android app development approaches. In Proceedings of the 14th International Conference on Mining Software Repositories (MSR '17). IEEE Press, 42–52. <https://doi-org.proxy.bnl.lu/10.1109/MSR.2017.66>
 14. Meikel Poess, Da Qi Ren, Tilmann Rabl, and Hans-Arno Jacobsen. 2018. Methods for Quantifying Energy Consumption in TPC-H. In Proceedings of the 2018 ACM/SPEC International Conference on Performance Engineering (ICPE '18). Association for Computing Machinery, New York, NY, USA, 293–304. <https://doi-org.proxy.bnl.lu/10.1145/3184407.3184429>

15. Jóakim von Kistowski, Johann Pais, Tobias Wahl, Klaus-Dieter Lange, Hansfried Block, John Beckett, and Samuel Kounev. 2019. Measuring the Energy Efficiency of Transactional Loads on GPGPU. In Proceedings of the 2019 ACM/SPEC International Conference on Performance Engineering (ICPE '19). Association for Computing Machinery, New York, NY, USA, 219–230. <https://doi-org.proxy.bnl.lu/10.1145/3297663.3309667>
16. Ana Rodriguez. 2017. Reducing energy consumption of resource-intensive scientific mobile applications via code refactoring. In Proceedings of the 39th International Conference on Software Engineering Companion (ICSE-C '17). IEEE Press, 475–476. <https://doi-org.proxy.bnl.lu/10.1109/ICSE-C.2017.33>
17. Hugo Hadjur, Doreid Ammar, and Laurent Lefèvre. 2020. Analysis of energy consumption in a precision beekeeping system. In Proceedings of the 10th International Conference on the Internet of Things (IoT '20). Association for Computing Machinery, New York, NY, USA, Article 20, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/3410992.3411010>
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>
20. Abhijeet Banerjee and Abhik Roychoudhury. 2017. Future of mobile software for smartphones and drones: energy and performance. In Proceedings of the 4th International Conference on Mobile Software Engineering and Systems (MOBILESoft '17). IEEE Press, 1–12. <https://doi-org.proxy.bnl.lu/10.1109/MOBILESoft.2017.1>
21. Supreeth Subramanya, Zain Mustafa, David Irwin, and Prashant Shenoy. 2016. Beyond Energy-Efficiency: Evaluating Green Datacenter Applications for Energy-Agility. In Proceedings of the 7th ACM/SPEC on International Conference on Performance Engineering (ICPE '16). Association for Computing Machinery, New York, NY, USA, 185–196. <https://doi-org.proxy.bnl.lu/10.1145/2851553.2851556>
22. Charles Shelor and Krishna Kavi. 2017. Dataflow based Near Data Computing Achieves Excellent Energy Efficiency. In Proceedings of the 8th

International Symposium on Highly Efficient Accelerators and Reconfigurable Technologies (HEART2017). Association for Computing Machinery, New York, NY, USA, Article 6, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/3120895.3120900>

23. Yingjie Shi, Lei Wang, and Fang Du. 2017. Performance and energy efficiency of big data systems: characterization, implication and improvement. In Proceedings of the 6th International Conference on Software and Computer Applications (ICSCA '17). Association for Computing Machinery, New York, NY, USA, 55–61. <https://doi-org.proxy.bnl.lu/10.1145/3056662.3056667>
24. Aradhya Biswas and Richard Fujimoto. 2016. Profiling Energy Consumption in Distributed Simulations. In Proceedings of the 2016 ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (SIGSIM-PADS '16). Association for Computing Machinery, New York, NY, USA, 201–209. <https://doi-org.proxy.bnl.lu/10.1145/2901378.2901395>
25. Robert Schöne, Thomas Ilsche, Mario Bielert, Daniel Molka, and Daniel Hackenberg. 2016. Software controlled clock modulation for energy efficiency optimization on Intel processors. In Proceedings of the 4th International Workshop on Energy Efficient Supercomputing (E2SC '16). IEEE Press, 69–76.
26. Konstantinos Maragos, George Lentaris, Ioannis Stratakis, and Dimitrios Soudris. 2018. A Framework Exploiting Process Variability to Improve Energy Efficiency in FPGA Applications. In Proceedings of the 2018 on Great Lakes Symposium on VLSI (GLSVLSI '18). Association for Computing Machinery, New York, NY, USA, 87–92. <https://doi-org.proxy.bnl.lu/10.1145/3194554.3194568>
27. Kyriakos Georgiou, Craig Blackmore, Samuel Xavier-de-Souza, and Kerstin Eder. 2018. Less is More: Exploiting the Standard Compiler Optimization Levels for Better Performance and Energy Consumption. In Proceedings of the 21st International Workshop on Software and Compilers for Embedded Systems (SCOPES '18). Association for Computing Machinery, New York, NY, USA, 35–42. <https://doi-org.proxy.bnl.lu/10.1145/3207719.3207727>
28. Aniruddha Marathe, Yijia Zhang, Grayson Blanks, Nirmal Kumbhare, Ghaleb Abdulla, and Barry Rountree. 2017. An empirical survey of performance and energy efficiency variation on Intel processors. In Proceedings of the 5th International Workshop on Energy Efficient Supercomputing (E2SC'17). Association for Computing Machinery, New York, NY, USA, Article 9, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/3149412.3149421>
29. Sharath K. Bhat, Ajithchandra Saya, Hemendra K. Rawat, Antonio Barbalace, and Binoy Ravindran. 2015. Harnessing energy efficiency of heterogeneous-ISA platforms. In Proceedings of the Workshop on Power-Aware Computing and Systems (HotPower '15). Association for Computing Machinery, New York, NY, USA, 6–10. <https://doi-org.proxy.bnl.lu/10.1145/2818613.2818747>

30. Anderson L. Sartor, Arthur F. Lorenzon, Sandip Kundu, Israel Koren, and Antonio C. S. Beck. 2018. Adaptive and polymorphic VLIW processor to optimize fault tolerance, energy consumption, and performance. In *Proceedings of the 15th ACM International Conference on Computing Frontiers (CF '18)*. Association for Computing Machinery, New York, NY, USA, 54–61. <https://doi-org.proxy.bnl.lu/10.1145/3203217.3203238>
31. Ivanilton Polato, Denilson Barbosa, Abram Hindle, and Fabio Kon. 2016. Hadoop energy consumption reduction with hybrid HDFS. In *Proceedings of the 31st Annual ACM Symposium on Applied Computing (SAC '16)*. Association for Computing Machinery, New York, NY, USA, 406–411. <https://doi-org.proxy.bnl.lu/10.1145/2851613.2851623>
32. Kaushik Dutta and Debra Vandermeer. 2017. Caching to Reduce Mobile App Energy Consumption. *ACM Trans. Web* 12, 1, Article 5 (February 2018), 30 pages. <https://doi-org.proxy.bnl.lu/10.1145/3125778>
33. Andreas Schuler and Gabriele Anderst-Kotsis. 2020. Characterizing Energy Consumption of Third-Party API Libraries using API Utilization Profiles. In *Proceedings of the 14th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM) (ESEM '20)*. Association for Computing Machinery, New York, NY, USA, Article 8, 1–11. <https://doi-org.proxy.bnl.lu/10.1145/3382494.3410688>
34. Mohammad R. Nakhkash, Tuan Nguyen Gia, Iman Azimi, Arman Anzangpour, Amir M. Rahmani, and Pasi Liljeberg. 2019. Analysis of Performance and Energy Consumption of Wearable Devices and Mobile Gateways in IoT Applications. In *Proceedings of the International Conference on Omni-Layer Intelligent Systems (COINS '19)*. Association for Computing Machinery, New York, NY, USA, 68–73. <https://doi-org.proxy.bnl.lu/10.1145/3312614.3312632>
35. Mark Endrei, Chao Jin, Minh Ngoc Dinh, David Abramson, Heidi Poxon, Luiz DeRose, and Bronis R. de Supinski. 2018. Energy efficiency modeling of parallel applications. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage, and Analysis (SC '18)*. IEEE Press, Article 17, 1–13. <https://doi-org.proxy.bnl.lu/10.1109/SC.2018.00020>
36. Mark Endrei, Chao Jin, Minh Ngoc Dinh, David Abramson, Heidi Poxon, Luiz DeRose, and Bronis R. de Supinski. 2018. Energy efficiency modeling of parallel applications. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage, and Analysis (SC '18)*. IEEE Press, Article 17, 1–13. <https://doi-org.proxy.bnl.lu/10.1109/SC.2018.00020>
37. Huber Flores, Jonatan Hamberg, Xin Li, Titti Malmivirta, Agustin Zuniga, Eemil Lagerspetz, and Petteri Nurmi. 2019. Evaluating Energy-Efficiency using Thermal Imaging. In *Proceedings of the 20th International Workshop on Mobile Computing Systems and Applications (Hot-Mobile '19)*. Association for Computing Machinery, New York, NY, USA, 147–152. <https://doi-org.proxy.bnl.lu/10.1145/3301293.3302364>

38. Raik Niemann. 2016. Towards the Prediction of the Performance and Energy Efficiency of Distributed Data Management Systems. In Companion Publication for ACM/SPEC on International Conference on Performance Engineering (ICPE '16 Companion). Association for Computing Machinery, New York, NY, USA, 23–28. <https://doi-org.proxy.bnl.lu/10.1145/2859889.2859891>
39. Abhijeet Banerjee, Hai-Feng Guo, and Abhik Roychoudhury. 2016. Debugging energy-efficiency related field failures in mobile apps. In Proceedings of the International Conference on Mobile Software Engineering and Systems (MOBILESoft '16). Association for Computing Machinery, New York, NY, USA, 127–138. <https://doi-org.proxy.bnl.lu/10.1145/2897073.2897085>
40. Dumitrel Loghin and Yong Meng Teo. 2018. The Energy Efficiency of Modern Multicore Systems. In Proceedings of the 47th International Conference on Parallel Processing Companion (ICPP '18). Association for Computing Machinery, New York, NY, USA, Article 28, 1–10. <https://doi-org.proxy.bnl.lu/10.1145/3229710.3229714>
41. S. Sohrabi, A. Tang, I. Moser, and A. Aleti. 2016. Adaptive virtual machine migration mechanism for energy efficiency. In Proceedings of the 5th International Workshop on Green and Sustainable Software (GREENS '16). Association for Computing Machinery, New York, NY, USA, 8–14. <https://doi-org.proxy.bnl.lu/10.1145/2896967.2896969>
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>
43. Carlos Zimmerle, Wellington Oliveira, Kiev Gama, and Fernando Castor. 2019. Reactive-based Complex Event Processing: An Overview and Energy Consumption Analysis of CEP.js. In Proceedings of the XXXIII Brazilian Symposium on Software Engineering (SBES 2019). Association for Computing Machinery, New York, NY, USA, 84–93. <https://doi-org.proxy.bnl.lu/10.1145/3350768.3352492>
44. Harold E.B. Dennis, Adam S. Ward, Tyler Balson, Yuwei Li, Robert Henschel, Shawn Slavin, Stephen Simms, and Holger Brunst. 2017. High Performance Computing Enabled Simulation of the Food-Water-Energy System: Simulation of Intensively Managed Landscapes. In Proceedings of the Practice and Experience in Advanced Research Computing 2017 on Sustainability, Success and Impact (PEARC17). Association for Computing Machinery, New York, NY, USA, Article 43, 1–10. <https://doi-org.proxy.bnl.lu/10.1145/3093338.3093381>
45. Naveed Khan, Hårek Haugerud, Raju Shrestha, and Anis Yazidi. 2019. Optimizing Power and Energy Efficiency in Cloud Computing. In Proceedings of the 11th International Conference on Management of Digital

- EcoSystems (MEDES '19). Association for Computing Machinery, New York, NY, USA, 256–261. <https://doi-org.proxy.bnl.lu/10.1145/3297662.3365820>
46. Qiang Wang, Pengfei Xu, Yatao Zhang, and Xiaowen Chu. 2017. EPP-Miner: An Extended Benchmark Suite for Energy, Power and Performance Characterization of Heterogeneous Architecture. In Proceedings of the Eighth International Conference on Future Energy Systems (e-Energy '17). Association for Computing Machinery, New York, NY, USA, 23–33. <https://doi-org.proxy.bnl.lu/10.1145/3077839.3077858>
 47. Abhijeet Banerjee and Abhik Roychoudhury. 2016. Automated re-factoring of Android apps to enhance energy-efficiency. In Proceedings of the International Conference on Mobile Software Engineering and Systems (MOBILESoft '16). Association for Computing Machinery, New York, NY, USA, 139–150. <https://doi-org.proxy.bnl.lu/10.1145/2897073.2897086>
 48. Jaejun Ko, Jongwon Lee, and Young-June Choi. 2017. Computation offloading for energy efficiency of smart devices. In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers (UbiComp '17). Association for Computing Machinery, New York, NY, USA, 109–112. <https://doi-org.proxy.bnl.lu/10.1145/3123024.3123144>
 49. Ahmad Yasin and Yosi Ben-Asher. 2018. A first-order approximation of microarchitecture energy-efficiency. In Proceedings of the 18th International Conference on Embedded Computer Systems: Architectures, Modeling, and Simulation (SAMOS '18). Association for Computing Machinery, New York, NY, USA, 38–46. <https://doi-org.proxy.bnl.lu/10.1145/3229631.3229633>
 50. Rabab Bouziane, Erven Rohou, and Abdoulaye Gamatié. 2018. Compile-Time Silent-Store Elimination for Energy Efficiency: an Analytic Evaluation for Non-Volatile Cache Memory. In Proceedings of the Rapido'18 Workshop on Rapid Simulation and Performance Evaluation: Methods and Tools (RAPIDO '18). Association for Computing Machinery, New York, NY, USA, Article 5, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/3180665.3180666>
 51. Amin Jadidi, Mohammad Arjomand, Mahmut Taylan Kandemir, and Chita R. Das. 2017. Optimizing energy consumption in GPUS through feedback-driven CTA scheduling. In Proceedings of the 25th High Performance Computing Symposium (HPC '17). Society for Computer Simulation International, San Diego, CA, USA, Article 12, 1–12.
 52. Sudeep Pasricha, Janardhan Rao Doppa, Krishnendu Chakrabarty, Saideep Tikur, Daniel Dauwe, Shi Jin, and Partha Pratim Pande. 2017. Data analytics enables energy-efficiency and robustness: from mobile to many-cores, datacenters, and networks (special session paper). In Proceedings of the Twelfth IEEE/ACM/IFIP International Conference on Hardware/Software Codesign and System Synthesis Companion (CODES '17).

Association for Computing Machinery, New York, NY, USA, Article 27, 1–10. <https://doi-org.proxy.bnl.lu/10.1145/3125502.3125560>

53. Huizhang Luo, Qing Liu, Jingtong Hu, Qiao Li, Liang Shi, Qingfeng Zhuge, and Edwin H.-M. Sha. 2018. Write Energy Reduction for PCM via Pumping Efficiency Improvement. *ACM Trans. Storage* 14, 3, Article 27 (August 2018), 21 pages. <https://doi-org.proxy.bnl.lu/10.1145/3200139>
54. Hina Anwar, Berker Demirer, Dietmar Pfahl, and Satish Srirama. 2020. Should energy consumption influence the choice of Android third-party HTTP libraries? In *Proceedings of the IEEE/ACM 7th International Conference on Mobile Software Engineering and Systems (MOBILESoft '20)*. Association for Computing Machinery, New York, NY, USA, 87–97. <https://doi-org.proxy.bnl.lu/10.1145/3387905.3392095>
55. Thomas Franke, Daniel Görges, and Matthias G. Arend. 2019. The Energy Interface Challenge. Towards Designing Effective Energy Efficiency Interfaces for Electric Vehicles. In *Proceedings of the 11th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI '19)*. Association for Computing Machinery, New York, NY, USA, 35–48. <https://doi-org.proxy.bnl.lu/10.1145/3342197.3344526>
56. Daniel Wong. 2016. Peak efficiency aware scheduling for highly energy proportional servers. In *Proceedings of the 43rd International Symposium on Computer Architecture (ISCA '16)*. IEEE Press, 481–492. <https://doi-org.proxy.bnl.lu/10.1109/ISCA.2016.49>

Daniel Wong. 2016. Peak efficiency aware scheduling for highly energy proportional servers. *SIGARCH Comput. Archit. News* 44, 3 (June 2016), 481–492. <https://doi-org.proxy.bnl.lu/10.1145/3007787.3001188>
57. David Pereira, Aleksandar Ilic, and Leonel Sousa. 2017. On Boosting Energy-Efficiency of Heterogeneous Embedded Systems via Game Theory. In *Proceedings of the 8th Workshop and 6th Workshop on Parallel Programming and Run-Time Management Techniques for Many-core Architectures and Design Tools and Architectures for Multicore Embedded Computing Platforms (PARMA-DITAM '17)*. Association for Computing Machinery, New York, NY, USA, 19–24. <https://doi-org.proxy.bnl.lu/10.1145/3029580.3029584>
58. Hitesh Bheda, Chirag Thaker, and Sanjay Shah. 2021. An Optimized VM Placement Approach to Reduce Energy Consumption in Green Cloud Computing. In *Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence (DSMLAI '21)*. Association for Computing Machinery, New York, NY, USA, 130–135. <https://doi-org.proxy.bnl.lu/10.1145/3484824.3484894>
59. Luis Cruz and Rui Abreu. 2017. Performance-based guidelines for energy efficient mobile applications. In *Proceedings of the 4th International Con-*

- ference on Mobile Software Engineering and Systems (MOBILESoft '17). IEEE Press, 46–57. <https://doi-org.proxy.bnl.lu/10.1109/MOBILESoft.2017.19>
60. Vincent Lostanlen, Antoine Bernabeu, Jean-Luc Béchenne, Mikael Briday, Sébastien Faucou, and Mathieu Lagrange. 2021. Energy Efficiency is Not Enough: Towards a Batteryless Internet of Sounds. Audio Mostly 2021. Association for Computing Machinery, New York, NY, USA, 147–155. <https://doi-org.proxy.bnl.lu/10.1145/3478384.3478408>
61. Sayda Elmi and Kian-Lee Tan. 2021. DeepFEC: Energy Consumption Prediction under Real-World Driving Conditions for Smart Cities. In Proceedings of the Web Conference 2021 (WWW '21). Association for Computing Machinery, New York, NY, USA, 1880–1890. <https://doi-org.proxy.bnl.lu/10.1145/3442381.3449983>
62. Marco Couto, Paulo Borba, Jácume Cunha, João Paulo Fernandes, Rui Pereira, and João Saraiva. 2017. Products go Green: Worst-Case Energy Consumption in Software Product Lines. In Proceedings of the 21st International Systems and Software Product Line Conference - Volume A (SPLC '17). Association for Computing Machinery, New York, NY, USA, 84–93. <https://doi-org.proxy.bnl.lu/10.1145/3106195.3106214>
63. Sridutt Bhalachandra, Allan Porterfield, Stephen L. Olivier, Jan F. Prins, and Robert J. Fowler. 2017. Improving Energy Efficiency in Memory-constrained Applications Using Core-specific Power Control. In Proceedings of the 5th International Workshop on Energy Efficient Supercomputing (E2SC'17). Association for Computing Machinery, New York, NY, USA, Article 6, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/3149412.3149418>
64. Ming-Chang Yang, Yuan-Hao Chang, and Che-Wei Tsao. 2016. Byte-Addressable Update Scheme to Minimize the Energy Consumption of PCM-Based Storage Systems. ACM Trans. Embed. Comput. Syst. 15, 3, Article 55 (July 2016), 20 pages. <https://doi-org.proxy.bnl.lu/10.1145/2910590>
65. Hochan Lee, Mansureh S. Moghaddam, Dongkwan Suh, and Bernhard Egger. 2018. Improving Energy Efficiency of Coarse-Grain Reconfigurable Arrays Through Modulo Schedule Compression/Decompression. ACM Trans. Archit. Code Optim. 15, 1, Article 1 (March 2018), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/3162018>
66. Solomon Abera, M. Balakrishnan, and Anshul Kumar. 2021. Performance-Energy Trade-off in Modern CMPs. ACM Trans. Archit. Code Optim. 18, 1, Article 3 (March 2021), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/3427092>
67. Hari Cherupalli, Rakesh Kumar, and John Sartori. 2016. Exploiting dynamic timing slack for energy efficiency in ultra-low-power embedded systems. In Proceedings of the 43rd International Symposium on Computer Architecture (ISCA '16). IEEE Press, 671–681. <https://doi-org.proxy.bnl.lu/10.1109/ISCA.2016.64>

- Hari Cherupalli, Rakesh Kumar, and John Sartori. 2016. Exploiting dynamic timing slack for energy efficiency in ultra-low-power embedded systems. *SIGARCH Comput. Archit. News* 44, 3 (June 2016), 671–681. <https://doi-org.proxy.bnl.lu/10.1145/3007787.3001208>
68. Yunfei Gu, Dengxue Yan, Vaibhav Verma, Mircea R. Stan, and Xuan Zhang. 2018. SRAM based opportunistic energy efficiency improvement in dual-supply near-threshold processors. In *Proceedings of the 55th Annual Design Automation Conference (DAC '18)*. Association for Computing Machinery, New York, NY, USA, Article 41, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/3195970.3196121>
 69. Xuecheng Liu, Luoyi Fu, Jiliang Wang, Xinbing Wang, and Guihai Chen. 2019. Multicast Scaling of Capacity and Energy Efficiency in Heterogeneous Wireless Sensor Networks. *ACM Trans. Sen. Netw.* 15, 3, Article 33 (August 2019), 32 pages. <https://doi-org.proxy.bnl.lu/10.1145/3322497>
 70. Kaijie Fan, Biagio Cosenza, and Ben Juurlink. 2019. Predictable GPUs Frequency Scaling for Energy and Performance. In *Proceedings of the 48th International Conference on Parallel Processing (ICPP 2019)*. Association for Computing Machinery, New York, NY, USA, Article 52, 1–10. <https://doi-org.proxy.bnl.lu/10.1145/3337821.3337833>
 71. Kristoffer Robin Stokke, Håkon Kvale Stensland, Carsten Griwodz, and Pål Halvorsen. 2017. Load Balancing of Multimedia Workloads for Energy Efficiency on the Tegra K1 Multicore Architecture. In *Proceedings of the 8th ACM on Multimedia Systems Conference (MMSys'17)*. Association for Computing Machinery, New York, NY, USA, 124–135. <https://doi-org.proxy.bnl.lu/10.1145/3083187.3083195>
 72. Darko Zivanovic, Milan Radulovic, Germán Llort, David Zaragoza, Janko Strassburg, Paul M. Carpenter, Petar Radojković, and Eduard Ayguadé. 2016. Large-Memory Nodes for Energy Efficient High-Performance Computing. In *Proceedings of the Second International Symposium on Memory Systems (MEMSYS '16)*. Association for Computing Machinery, New York, NY, USA, 3–9. <https://doi-org.proxy.bnl.lu/10.1145/2989081.2989083>
 73. Peter G. Harrison, Naresh M. Patel, and William J. Knottenbelt. 2016. Energy–Performance Trade-Offs via the EP Queue. *ACM Trans. Model. Perform. Eval. Comput. Syst.* 1, 2, Article 6 (June 2016), 31 pages. <https://doi-org.proxy.bnl.lu/10.1145/2818726>
 74. Shanshi Huang, Xiaoyu Sun, Xiaochen Peng, Hongwu Jiang, and Shimeng Yu. 2022. Achieving High In Situ Training Accuracy and Energy Efficiency with Analog Non-Volatile Synaptic Devices. *ACM Trans. Des. Autom. Electron. Syst.* 27, 4, Article 37 (July 2022), 19 pages. <https://doi-org.proxy.bnl.lu/10.1145/3500929>

75. Deliang Yang, Xuan Huang, Jun Huang, Xiangmao Chang, Guoliang Xing, and Yang Yang. 2021. A First Look at Energy Consumption of NB-IoT in the Wild: Tools and Large-Scale Measurement. *IEEE/ACM Trans. Netw.* 29, 6 (Dec. 2021), 2616–2631. <https://doi-org.proxy.bnl.lu/10.1109/TNET.2021.3096656>
76. Ting-Ru Lin and Massoud Pedram. 2020. Retiming for high-performance superconductive circuits with register energy minimization. In *Proceedings of the 39th International Conference on Computer-Aided Design (ICCAD '20)*. Association for Computing Machinery, New York, NY, USA, Article 85, 1–9. <https://doi-org.proxy.bnl.lu/10.1145/3400302.3415659>
77. Hassan Afzali-Kusha, Omid Akbari, Mehdi Kamal, and Massoud Pedram. 2018. Energy Consumption and Lifetime Improvement of Coarse-Grained Reconfigurable Architectures Targeting Low-Power Error-Tolerant Applications. In *Proceedings of the 2018 on Great Lakes Symposium on VLSI (GLSVLSI '18)*. Association for Computing Machinery, New York, NY, USA, 431–434. <https://doi-org.proxy.bnl.lu/10.1145/3194554.3194631>
78. Hamza Ouarnoughi, Jalil Boukhobza, Frank Singhoff, and Stéphane Rubin. 2017. Integrating I/Os in Cloudsim for Performance and Energy Estimation. *SIGOPS Oper. Syst. Rev.* 50, 2 (December 2016), 27–36. <https://doi-org.proxy.bnl.lu/10.1145/3041710.3041715>
79. Shajulin Benedict, R. S. Rejitha, and Suja A. Alex. 2016. Energy and Performance Prediction of CUDA Applications using Dynamic Regression Models. In *Proceedings of the 9th India Software Engineering Conference (ISEC '16)*. Association for Computing Machinery, New York, NY, USA, 37–47. <https://doi-org.proxy.bnl.lu/10.1145/2856636.2856643>
80. Shuo-Han Chen, Yuan-Hao Chang, Tseng-Yi Chen, Yu-Ming Chang, Pei-Wen Hsiao, Hsin-Wen Wei, and Wei-Kuan Shih. 2018. Enhancing the Energy Efficiency of Journaling File System via Exploiting Multi-Write Modes on MLC NVRAM. In *Proceedings of the International Symposium on Low Power Electronics and Design (ISLPED '18)*. Association for Computing Machinery, New York, NY, USA, Article 23, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/3218603.3218632>
81. Johannes Hofmann and Dietmar Fey. 2016. An ECM-based energy-efficiency optimization approach for bandwidth-limited streaming kernels on recent Intel Xeon processors. In *Proceedings of the 4th International Workshop on Energy Efficient Supercomputing (E2SC '16)*. IEEE Press, 31–38.
82. Kishwar Ahmed and Jason Liu. 2019. Simulation of energy-efficient demand response for high performance computing systems. In *Proceedings of the Winter Simulation Conference (WSC '19)*. IEEE Press, 2560–2571.

83. Bing Li, Mengjie Mao, Xiaoxiao Liu, Tao Liu, Zihao Liu, Wujie Wen, Yiran Chen, and Hai (Helen) Li. 2019. Thread Batching for High-performance Energy-efficient GPU Memory Design. *J. Emerg. Technol. Comput. Syst.* 15, 4, Article 39 (October 2019), 21 pages. <https://doi-org.proxy.bnl.lu/10.1145/3330152>
84. Ishan G. Thakkar, Sai Vineel Reddy Chittamuru, and Sudeep Pasricha. 2017. Improving the Reliability and Energy-Efficiency of High-Bandwidth Photonic NoC Architectures with Multilevel Signaling. In *Proceedings of the Eleventh IEEE/ACM International Symposium on Networks-on-Chip (NOCS '17)*. Association for Computing Machinery, New York, NY, USA, Article 4, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/3130218.3130226>
85. Taejoon Song, Daniel Lo, and G. Edward Suh. 2016. Prediction-Guided Performance-Energy Trade-off with Continuous Run-Time Adaptation. In *Proceedings of the 2016 International Symposium on Low Power Electronics and Design (ISLPED '16)*. Association for Computing Machinery, New York, NY, USA, 224–229. <https://doi-org.proxy.bnl.lu/10.1145/2934583.2934598>
86. Jing Fu and Bill Moran. 2020. Energy-Efficient Job-Assignment Policy With Asymptotically Guaranteed Performance Deviation. *IEEE/ACM Trans. Netw.* 28, 3 (June 2020), 1325–1338. <https://doi-org.proxy.bnl.lu/10.1109/TNET.2020.298346>
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>
88. Hehe Li, Yongpan Liu, Chenchen Fu, Chun Jason Xue, Donglai Xiang, Jinshan Yue, Jinyang Li, Daming Zhang, Jingtong Hu, and Huazhong Yang. 2016. Performance-aware task scheduling for energy harvesting nonvolatile processors considering power switching overhead. In *Proceedings of the 53rd Annual Design Automation Conference (DAC '16)*. Association for Computing Machinery, New York, NY, USA, Article 156, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/2897937.2898059>
89. Cedric Killian, Daniel Chillet, Sebastien Le Beux, Van-Dung Pham, Olivier Sentieys, and Ian O'Connor. 2017. Energy and Performance Trade-off in Nanophotonic Interconnects using Coding Techniques. In *Proceedings of the 54th Annual Design Automation Conference 2017 (DAC '17)*. Association for Computing Machinery, New York, NY, USA, Article 85, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/3061639.3062237>
90. Rajsaktish Sankaranarayanan and Matthew R. Guthaus. 2017. Energy Savings and Performance Improvement in Subthreshold Using Adaptive Body Bias. In *Proceedings of the on Great Lakes Symposium on VLSI 2017 (GLSVLSI '17)*. Association for Computing Machinery, New York, NY, USA, 431–434. <https://doi-org.proxy.bnl.lu/10.1145/3060403.3060421>

91. Dongjin Lee, Sourav Das, Janardhan Rao Doppa, Partha Pratim Pande, and Krishnendu Chakrabarty. 2018. Performance and Thermal Tradeoffs for Energy-Efficient Monolithic 3D Network-on-Chip. *ACM Trans. Des. Autom. Electron. Syst.* 23, 5, Article 60 (September 2018), 25 pages. <https://doi-org.proxy.bnl.lu/10.1145/3223046>
92. Shuo-Han Chen, Yu-Pei Liang, Yuan-Hao Chang, Yun-Fei Liu, Chun-Feng Wu, Hsin-Wen Wei, and Wei-Kuan Shih. 2020. Reinforcing the energy efficiency of cyber-physical systems via direct and split cache consolidation on MLC STT-RAM. *Proceedings of the 35th Annual ACM Symposium on Applied Computing*. Association for Computing Machinery, New York, NY, USA, 202–209. <https://doi-org.proxy.bnl.lu/10.1145/3341105.3373849>
93. Huazhe Zhang and Henry Hoffmann. 2018. Performance and Energy Tradeoffs for Dependent Distributed Applications Under System-wide Power Caps. In *Proceedings of the 47th International Conference on Parallel Processing (ICPP 2018)*. Association for Computing Machinery, New York, NY, USA, Article 67, 1–11. <https://doi-org.proxy.bnl.lu/10.1145/3225058.3225098>
94. Dwaipayan Choudhury, Aravind Sukumaran Rajam, Ananth Kalyanaraman, and Partha Pratim Pande. 2021. High-Performance and Energy-Efficient 3D Manycore GPU Architecture for Accelerating Graph Analytics. *J. Emerg. Technol. Comput. Syst.* 18, 1, Article 18 (January 2022), 19 pages. <https://doi-org.proxy.bnl.lu/10.1145/3482880>
95. Wooseok Lee, Dam Sunwoo, Christopher D. Emmons, Andreas Gerstlauer, and Lizy K. John. 2017. Exploring Heterogeneous-ISA Core Architectures for High-Performance and Energy-Efficient Mobile SoCs. In *Proceedings of the on Great Lakes Symposium on VLSI 2017 (GLSVLSI '17)*. Association for Computing Machinery, New York, NY, USA, 419–422. <https://doi-org.proxy.bnl.lu/10.1145/3060403.3060408>
96. Elham Shamsa, Anil Kanduri, Amir M. Rahmani, and Pasi Liljeberg. 2021. Energy-Performance Co-Management of Mixed-Sensitivity Workloads on Heterogeneous Multi-core Systems. In *Proceedings of the 26th Asia and South Pacific Design Automation Conference (ASPDAC '21)*. Association for Computing Machinery, New York, NY, USA, 421–427. <https://doi-org.proxy.bnl.lu/10.1145/3394885.3431516>
97. Xingfu Wu, Valerie Taylor, Justin M. Wozniak, Rick Stevens, Thomas Brettin, and Fangfang Xia. 2019. Performance, Energy, and Scalability Analysis and Improvement of Parallel Cancer Deep Learning CANDLE Benchmarks. In *Proceedings of the 48th International Conference on Parallel Processing (ICPP 2019)*. Association for Computing Machinery, New York, NY, USA, Article 78, 1–11. <https://doi-org.proxy.bnl.lu/10.1145/3337821.3337905>
98. Hafiz Fahad Sheikh and Ishfaq Ahmad. 2016. Sixteen Heuristics for Joint Optimization of Performance, Energy, and Temperature in Allo-

- cating Tasks to Multi-Cores. *ACM Trans. Parallel Comput.* 3, 2, Article 9 (August 2016), 29 pages. <https://doi-org.proxy.bnl.lu/10.1145/2948973>
99. Elie Azar and Ahmed Al Amoodi. 2016. Quantifying the impact of uncertainty in human actions on the energy performance of educational buildings. In *Proceedings of the 2016 Winter Simulation Conference (WSC '16)*. IEEE Press, 1736–1744.
 100. Amir Erfan Eshratifar and Massoud Pedram. 2018. Energy and Performance Efficient Computation Offloading for Deep Neural Networks in a Mobile Cloud Computing Environment. In *Proceedings of the 2018 on Great Lakes Symposium on VLSI (GLSVLSI '18)*. Association for Computing Machinery, New York, NY, USA, 111–116. <https://doi-org.proxy.bnl.lu/10.1145/3194554.3194554>
 101. Ziqi Chen, Zhuoang Tao, and Aiwei Chang. 2021. A data-driven approach to optimize building energy performance and thermal comfort using machine learning models. In *Proceedings of the 2021 International Conference on Control and Intelligent Robotics (ICCIR 2021)*. Association for Computing Machinery, New York, NY, USA, 464–469. <https://doi-org.proxy.bnl.lu/10.1145/3473714.3473794>
 102. Mehrzad Nejat, Madhavan Manivannan, Miquel Pericàs, and Per Stenström. 2022. Cooperative Slack Management: Saving Energy of Multi-core Processors by Trading Performance Slack Between QoS-Constrained Applications. *ACM Trans. Archit. Code Optim.* 19, 2, Article 21 (June 2022), 27 pages. <https://doi-org.proxy.bnl.lu/10.1145/3505559>
 103. Sunil Kumar, Akshat Gupta, Vivek Kumar, and Sridutt Bhalachandra. 2021. Cuttlefish: library for achieving energy efficiency in multicore parallel programs. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis (SC '21)*. Association for Computing Machinery, New York, NY, USA, Article 81, 1–14. <https://doi-org.proxy.bnl.lu/10.1145/3458817.3476163>
 104. Prabal Basu, Hu Chen, Shamik Saha, Koushik Chakraborty, and Sanghamitra Roy. 2016. SwiftGPU: fostering energy efficiency in a near-threshold GPU through a tactical performance boost. In *Proceedings of the 53rd Annual Design Automation Conference (DAC '16)*. Association for Computing Machinery, New York, NY, USA, Article 150, 1–6. <https://doi-org.proxy.bnl.lu/10.1145/2897937.2898100>
 105. Milan Radulovic, Rommel Sánchez Verdejo, Paul Carpenter, Petar Radjovic, Bruce Jacob, and Eduard Ayguadé. 2019. PROFET: Modeling System Performance and Energy Without Simulating the CPU. In *Abstracts of the 2019 SIGMETRICS/Performance Joint International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS '19)*. Association for Computing Machinery, New York, NY, USA, 71–72. <https://doi-org.proxy.bnl.lu/10.1145/3309697.3331502>

106. Jose Orellana, Carolina Bonacic, Mauricio Marín, and Veronica Gil-Costa. 2017. Energysim: an energy consumption simulator for web search engine processors. In *Proceedings of the Summer Simulation Multi-Conference (SummerSim '17)*. Society for Computer Simulation International, San Diego, CA, USA, Article 18, 1–12.
107. Luca Bertagna, Oksana Guba, Mark A. Taylor, James G. Foucar, Jeff Larkin, Andrew M. Bradley, Sivasankaran Rajamanickam, and Andrew G. Salinger. 2020. A performance-portable nonhydrostatic atmospheric dycore for the energy exascale earth system model running at cloud-resolving resolutions. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis (SC '20)*. IEEE Press, Article 92, 1–14.
108. Georgios L. Stavrinides and Helen D. Karatza. 2017. Simulation-Based Performance Evaluation of an Energy-Aware Heuristic for the Scheduling of HPC Applications in Large-Scale Distributed Systems. In *Proceedings of the 8th ACM/SPEC on International Conference on Performance Engineering Companion (ICPE '17 Companion)*. Association for Computing Machinery, New York, NY, USA, 49–54. <https://doi-org.proxy.bnl.lu/10.1145/3053600.3053611>
109. Dimitra Papagiannopoulou, Andrea Marongiu, Tali Moreshet, Maurice Herlihy, and R. Iris Bahar. 2017. Edge-TM: Exploiting Transactional Memory for Error Tolerance and Energy Efficiency. *ACM Trans. Embed. Comput. Syst.* 16, 5s, Article 153 (October 2017), 18 pages. <https://doi-org.proxy.bnl.lu/10.1145/3126556>
110. Hao Yan, Lei Jiang, Lide Duan, Wei-Ming Lin, and Eugene John. 2017. FlowPaP and FlowReR: Improving Energy Efficiency and Performance for STT-MRAM-Based Handheld Devices under Read Disturbance. *ACM Trans. Embed. Comput. Syst.* 16, 5s, Article 132 (October 2017), 20 pages. <https://doi-org.proxy.bnl.lu/10.1145/3126532>
111. Tae Jun Ham, Lisa Wu, Narayanan Sundaram, Nadathur Satish, and Margaret Martonosi. 2016. Graphicionado: a high-performance and energy-efficient accelerator for graph analytics. In *The 49th Annual IEEE/ACM International Symposium on Microarchitecture (MICRO-49)*. IEEE Press, Article 56, 1–13.
112. Anup Sarma, Huaipan Jiang, Ashutosh Pattnaik, Jagadish Kotra, Mahmut Taylan Kandemir, and Chita R. Das. 2019. CASH: compiler assisted hardware design for improving DRAM energy efficiency in CNN inference. In *Proceedings of the International Symposium on Memory Systems (MEMSYS '19)*. Association for Computing Machinery, New York, NY, USA, 396–407. <https://doi-org.proxy.bnl.lu/10.1145/3357526.3357536>

113. John R. Ward and Sean K. Barker. 2020. Powerstrip: High-Performance Compression for Energy Data. In Proceedings of the Eleventh ACM International Conference on Future Energy Systems (e-Energy '20). Association for Computing Machinery, New York, NY, USA, 242–252. <https://doi-org.proxy.bnl.lu/10.1145/3396851.3397716>
114. Jerry Ajay, Aditya Singh Rathore, Chen Song, Chi Zhou, and Wenyao Xu. 2016. Don't Forget Your Electricity Bills! An Empirical Study of Characterizing Energy Consumption of 3D Printers. In Proceedings of the 7th ACM SIGOPS Asia-Pacific Workshop on Systems (APSys '16). Association for Computing Machinery, New York, NY, USA, Article 7, 1–8. <https://doi-org.proxy.bnl.lu/10.1145/2967360.2967377>
115. Yang Zhang, Dan Feng, Wei Tong, Yu Hua, Jingning Liu, Zhipeng Tan, Chengning Wang, Bing Wu, Zheng Li, and Gaoxiang Xu. 2018. CACF: A Novel Circuit Architecture Co-optimization Framework for Improving Performance, Reliability and Energy of ReRAM-based Main Memory System. *ACM Trans. Archit. Code Optim.* 15, 2, Article 22 (June 2018), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/3195799>
116. Mohammad Alaul Haque Monil, Mehmet E. Belviranli, Seyong Lee, Jeffrey S. Vetter, and Allen D. Malony. 2020. MEPHESTO: Modeling Energy-Performance in Heterogeneous SoCs and Their Trade-Offs. In Proceedings of the ACM International Conference on Parallel Architectures and Compilation Techniques (PACT '20). Association for Computing Machinery, New York, NY, USA, 413–425. <https://doi-org.proxy.bnl.lu/10.1145/3410463.3414671>
117. Li Tang, Richard F. Barrett, Jeanine Cook, and X. Sharon Hu. 2017. Pea-Paw: Performance and Energy-Aware Partitioning of Workload on Heterogeneous Platforms. *ACM Trans. Des. Autom. Electron. Syst.* 22, 3, Article 41 (July 2017), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/2999540>
118. Xu Zhou, Haoran Cai, Qiang Cao, Hong Jiang, Lei Tian, and Changsheng Xie. 2016. GreenGear: Leveraging and Managing Server Heterogeneity for Improving Energy Efficiency in Green Data Centers. In Proceedings of the 2016 International Conference on Supercomputing (ICS '16). Association for Computing Machinery, New York, NY, USA, Article 12, 1–14. <https://doi-org.proxy.bnl.lu/10.1145/2925426.2926272>
119. Milad Mohammadi, Tor M. Aamodt, and William J. Dally. 2017. CG-OoO: Energy-Efficient Coarse-Grain Out-of-Order Execution Near In-Order Energy with Near Out-of-Order Performance. *ACM Trans. Archit. Code Optim.* 14, 4, Article 39 (December 2017), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/3151034>
120. Davide Zoni, Luca Colombo, and William Fornaciari. 2018. DarkCache: Energy-Performance Optimization of Tiled Multi-Cores by Adaptively Power-Gating LLC Banks. *ACM Trans. Archit. Code Optim.* 15, 2, Article 21 (June 2018), 26 pages. <https://doi-org.proxy.bnl.lu/10.1145/3186895>

121. Felix Rieger and Christoph Bockisch. 2017. Survey of approaches for assessing software energy consumption. In *Proceedings of the 2nd ACM SIGPLAN International Workshop on Comprehension of Complex Systems (CoCoS 2017)*. Association for Computing Machinery, New York, NY, USA, 19–24. <https://doi-org.proxy.bnl.lu/10.1145/3141842.3141846>
122. Daniel-Jesus Munoz. 2017. Achieving energy efficiency using a Software Product Line Approach. In *Proceedings of the 21st International Systems and Software Product Line Conference - Volume B (SPLC '17)*. Association for Computing Machinery, New York, NY, USA, 131–138. <https://doi-org.proxy.bnl.lu/10.1145/3109729.3109744>
123. Yehia Arafa, Ammar ElWazir, Abdelrahman ElKanishy, Youssef Aly, Ayatelrahman Elsayed, Abdel-Hameed Badawy, Gopinath Chennupati, Stephan Eidenbenz, and Nandakishore Santhi. 2020. Verified instruction-level energy consumption measurement for NVIDIA GPUs. In *Proceedings of the 17th ACM International Conference on Computing Frontiers (CF '20)*. Association for Computing Machinery, New York, NY, USA, 60–70. <https://doi-org.proxy.bnl.lu/10.1145/3387902.3392613>
124. Saad Ahmed, Muhammad Nawaz, Abu Bakar, Naveed Anwar Bhatti, Muhammad Hamad Alizai, Junaid Haroon Siddiqui, and Luca Mottola. 2020. Demystifying Energy Consumption Dynamics in Transiently powered Computers. *ACM Trans. Embed. Comput. Syst.* 19, 6, Article 47 (November 2020), 25 pages. <https://doi-org.proxy.bnl.lu/10.1145/3391893>
125. George Papadimitriou, Manolis Kaliorakis, Athanasios Chatzidimitriou, Dimitris Gizopoulos, Peter Lawthers, and Shidhartha Das. 2017. Harnessing voltage margins for energy efficiency in multicore CPUs. In *Proceedings of the 50th Annual IEEE/ACM International Symposium on Microarchitecture (MICRO-50 '17)*. Association for Computing Machinery, New York, NY, USA, 503–516. <https://doi-org.proxy.bnl.lu/10.1145/3123939.3124537>
126. Chunhua Xiao, Yuhua Xie, and Lei Zhang. 2018. AEAS - Towards High Energy-efficiency Design for OpenSSL Encryption Acceleration through HW/SW Co-design. In *Proceedings of the 2018 on Great Lakes Symposium on VLSI (GLSVLSI '18)*. Association for Computing Machinery, New York, NY, USA, 171–176. <https://doi-org.proxy.bnl.lu/10.1145/3194554.3194584>
127. Naveen Kumar Dumpala, Shivukumar B. Patil, Daniel Holcomb, and Russell Tessier. 2019. Loop Unrolling for Energy Efficiency in Low-Cost Field-Programmable Gate Arrays. *ACM Trans. Reconfigurable Technol. Syst.* 11, 4, Article 26 (December 2018), 23 pages. <https://doi-org.proxy.bnl.lu/10.1145/3289186>
128. Mohammadkazem Taram, Ashish Venkat, and Dean M. Tullsen. 2018. Mobilizing the micro-ops: exploiting context sensitive decoding for security and energy efficiency. In *Proceedings of the 45th Annual International*

Symposium on Computer Architecture (ISCA '18). IEEE Press, 624–637. <https://doi-org.proxy.bnl.lu/10.1109/ISCA.2018.00058>

129. Hasan Hassan, Minesh Patel, Jeremie S. Kim, A. Giray Yaglikci, Nandita Vijaykumar, Nika Mansouri Ghiasi, Saugata Ghose, and Onur Mutlu. 2019. CROW: a low-cost substrate for improving DRAM performance, energy efficiency, and reliability. In Proceedings of the 46th International Symposium on Computer Architecture (ISCA '19). Association for Computing Machinery, New York, NY, USA, 129–142. <https://doi-org.proxy.bnl.lu/10.1145/3307650.3322231>
130. Lei Zhao, Youtao Zhang, and Jun Yang. 2017. AEP: an error-bearing neural network accelerator for energy efficiency and model protection. In Proceedings of the 36th International Conference on Computer-Aided Design (ICCAD '17). IEEE Press, 1047–1053.
131. Lei Zhao, Youtao Zhang, and Jun Yang. 2017. AEP: an error-bearing neural network accelerator for energy efficiency and model protection. In Proceedings of the 36th International Conference on Computer-Aided Design (ICCAD '17). IEEE Press, 765–771.
132. Muhammad Husni Santriaji and Henry Hoffmann. 2016. GRAPE: minimizing energy for GPU applications with performance requirements. In The 49th Annual IEEE/ACM International Symposium on Microarchitecture (MICRO-49). IEEE Press, Article 16, 1–13.

Remark: Paper 35 and 36 for ACM are the same. They are given as duplicate during search results. For correctness both are included. Same holds for paper 130 and 131.