

Lista Lucrărilor Științifice

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Articole în revistă cotate ISI WoS cu SRI > 0.5, ca prim autor

1. **C.B. Ciobanu**, G. Gaydadjiev, C. Pilato and D. Sciuto, The Case for Polymorphic Registers in Dataflow Computing, International Journal of Parallel Programming, December 2018, pp. 1185-1219, <https://doi.org/10.1007/s10766-017-0494-1>

Online:

<https://link.springer.com/article/10.1007/s10766-017-0494-1>

SRI: 0.608

Alte articole ISI WoS cu SRI > 0.5

1. A. L. Machidon, O. M. Machidon, **C. B. Ciobanu**, and P. L. Ogrutan, "Accelerating a Geometrical Approximated PCA Algorithm Using AVX2 and CUDA," Remote Sensing, vol. 12, no. 12, p. 1918, Jun. 2020
<https://doi.org/10.3390/rs12121918>

Online:

<https://www.mdpi.com/2072-4292/12/12/1918/htm>

SRI: 4.509 (2019) ; 5-Year Impact Factor: 5.001 (2019)

2. G. Stramondo, **C.B. Ciobanu**, C. de Laat, A.L. Varbanescu, Designing and Building Application-Centric Parallel Memories, in Concurrency and Computation: Practice and Experience, <https://doi.org/10.1002/cpe.5485>

Online:

<https://onlinelibrary.wiley.com/doi/full/10.1002/cpe.5485>

SRI: 1.447 (2019), 1.268 (5 year)

3. Pnevmatikatos, K. Papadimitriou, T. Becker, P. Bohm, A. Brokalakis, K. Bruneel, **C.B. Ciobanu**, T. Davidson, G. Gaydadjiev, K. Heyse, W. Luk, X. Niu, I. Papaefstathiou, D. Pau, O. Pell, C. Pilato, M. D. Santambrogio, D. Sciuto, D. Stroobandt, T. Todman, E. Vansteenkiste, FASTER: Facilitating Analysis and Synthesis Technologies for Effective Reconfiguration, Elsevier Journal on Microprocessors and Microsystems (MICPRO), pp. 321-338, November 2014, ISSN: 0141-9331, eISSN: 1872-9436
<https://doi.org/10.1016/j.micpro.2014.09.006>

SRI: 1.161 (2019), 1.119 (5 year)

4. Ramirez, F. Cabarcas, B.H.H. Juurlink, M. Alvarez, F. Sanchez, A. Azevedo, C.H. Meenderinck, **C.B. Ciobanu**, S. Isaza, G. N. Gaydadjiev, The SARC Architecture, IEEE Micro, pp. 16-29, Vol. 30, Nr. 5, ISSN: 0272-1732,
<https://doi.org/10.1109/MM.2010.79>

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SRI: 3.172 (2019), 2.682 (5 year) Q1

Alte articole publicate

1. A. Machidon, **C.B. Ciobanu**, O. Machidon, P. Ogrutan, On Parallelizing Geometrical PCA Approximation, 2019 18th RoEduNet Conference: Networking in Education and Research (RoEduNet), pp. 1-6, Galați, România, October 2019, <https://doi.org/10.1109/ROEDUNET.2019.8909644>
2. L. Stornaiuolo, M. Rabozzi, M. Santambrogio, D. Sciuto, G. Stramondo, **C.B. Ciobanu** and A.L. Varbanescu, HLS Support for Polymorphic Parallel Memories, 26th IFIP/IEEE International Conference on Very Large Scale Integration (VLSI SoC), pp. 143-148, Verona, Italy, October 2018, <https://doi.org/10.1109/VLSI-SoC.2018.8644899>
3. G. Stramondo, **C. B. Ciobanu**, A. L. Varbanescu, C. de Laat, Towards Application-Centric Parallel Memories, Euro-Par 2018: Parallel Processing Workshops, pp. 481-493, Turin, Italy, August 2018, https://doi.org/10.1007/978-3-030-10549-5_38
4. **C. B. Ciobanu**, G. Stramondo, A. L. Varbanescu, A. Brokalakis, A. Nikitakis, L. Di Tucci, M. Rabozzi, L. Stornaiuolo, M. Santambrogio, G. Chrysos, C. Vatsolakis, C. Georgios, and D. Pnevmatikatos, EXTRA: An Open Platform for Reconfigurable Architectures, 2018 International Conference on Embedded Computer Systems: Architectures, Modeling, and Simulation (SAMOS XVIII), pp. 220-229, Samos Island, Greece, July 2018, <https://doi.acm.org/10.1145/3229631.3236092>
5. **C. B. Ciobanu**, G. Stramondo, C. de Laat and A. L. Varbanescu, MAX-PolyMem: High-Bandwidth Polymorphic Parallel Memories for DFEs, 2018 IEEE International Parallel and Distributed Processing Symposium Workshops (IPDPSW), pp. 107-114, Vancouver, Canada, May 2018, <https://doi.org/10.1109/IPDPSW.2018.00025>
6. Kulkarni, P. Bahrebar, D. Stroobandt, G. Stramondo, **C. B. Ciobanu** and A. L. Varbanescu, A NoC-based Custom FPGA Configuration Memory Architecture for Ultra-fast Micro-reconfiguration, 2017 International Conference on Field Programmable Technology (ICFPT), pp. 203-206, Melbourne, Australia, December 2017, <https://doi.org/10.1109/FPT.2017.8280141>
7. M. Rabozzi, R. Brondolin, G. Natale, E. Del Sozzo, M. Huebner, A. Brokalakis, **C.B. Ciobanu**, D. Stroobandt, M. Santambrogio, A CAD Open Platform for High Performance Reconfigurable Systems in the EXTRA Project, 2017 IEEE Computer Society Annual Symposium on VLSI (ISVLSI), pp. 368-373, Bochum, Germany, July 2017, <https://doi.org/10.1109/ISVLSI.2017.71>
8. D. Stroobandt, **C.B. Ciobanu**, M. Santambrogio, G. Figueiredo, A. Brokalakis, D. Pnevmatikatos, M. Huebner, T. Becker, A. Thom., An Open Reconfigurable Research Platform as Stepping Stone to Exascale High-performance Computing, Proceedings of the Conference on Design, Automation & Test in Europe (DATE), pp 416-421, Lausanne, Switzerland, March 2017, <https://doi.org/10.23919/DATE.2017.7927026>
9. D. Stroobandt, A.L. Varbanescu, **C.B. Ciobanu**, M. Al Kadi, A. Brokalakis, G. Charitopoulos, T. Todman, X. Niu, D. Pnevmatikatos, A. Kulkarni, E. Vansteenkiste, W. Luk, M. Santambrogio, D. Sciuto, M. Huebner, T. Becker, G. Gaydadjiev, A. Nikitakis, A. Thom, EXTRA: Towards the exploitation of eXascale technology for reconfigurable architectures, 2016 11th International Symposium on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC), pp. 1-7, Tallinn, June 2016, <https://doi.org/10.1109/ReCoSoC.2016.7533896>

10. G. Stramondo, A. Varbanescu, **C.B. Ciobanu**, The Case for Custom Parallel Memories: an Application-centric Analysis, Second International Workshop on Heterogeneous High-performance Reconfigurable Computing (H2RC), Salt Lake City, UT, USA, 2016
11. **C.B. Ciobanu**, A. L. Varbanescu, D. Pnevmatikatos, G. Charitopoulos, X. Niu, W. Luk, M. D. Santambrogio, D. Sciuto, M. A. Kadi, M. Huebner, T. Becker, and G. Gaydadjiev, A. Brokalakis, A. Nikitakis, A. J. W. Thom, E. Vansteenkiste, D. Stroobandt, EXTRA: Towards an Efficient Open Platform for Reconfigurable High Performance Computing, 2015 IEEE 18th International Conference on Computational Science and Engineering, pp. 339-342, Porto, Portugal, October 2015, <https://doi.org/10.1109/CSE.2015.54>
12. G. Smaragdous, C. Davies, C. Strydis, I. Sourdis, **C.B. Ciobanu**, O. Mencer, C. De Zeeuw, Real-Time Olivary Neuron Simulations on Dataflow Computing Machines, Proceedings of International Supercomputing Conference (ISC 2014), pp. 487-497, Leipzig, Germany, June 2014, https://doi.org/10.1007/978-3-319-07518-1_34
13. **C.B. Ciobanu**, G.N. Gaydadjiev, C. Pilato, D. Sciuto, Dataflow Computing with Polymorphic Registers, Proceedings of the 2013 International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation (SAMOS 2013), pp. 314-321, Samos, Greece, July 2013, <https://doi.org/10.1109/SAMOS.2013.6621140>
14. **C.B. Ciobanu**, D.N. Pnevmatikatos, K.D. Papadimitriou, G.N. Gaydadjiev, FASTER Run-time Reconfiguration Management, Proceedings of the 27th International Conference on Supercomputing (ICS 2013), pp. 463-464, Eugene, Oregon, USA, June 2013, <https://doi.org/10.1145/2464996.2467283>
15. **C.B. Ciobanu**, G. N. Gaydadjiev, Separable 2D Convolution with Polymorphic Register Files, Proceedings of the 2013 Conference on Architecture of Computing Systems (ARCS 2013), pp. 317-328, Prague, Czech Republic, February 2013, https://doi.org/10.1007/978-3-642-36424-2_27
16. K. Papadimitriou, C. Pilato, D. Pnevmatikatos, M.D. Santambrogio, **C.B. Ciobanu**, T. Todman, T. Becker, T. Davidson, X. Niu, G. N. Gaydadjiev, W. Luk, D. Stroobandt, Novel Design Methods and a Tool Flow for Unleashing Dynamic Reconfiguration, Proceedings of the 15 th International Conference on Computational Science and Engineering (CSE 2012), pp. 391-398, December 2012, <https://doi.org/10.1109/ICCSE.2012.61>
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18. **C.B. Ciobanu**, G. Kuzmanov, G. N. Gaydadjiev, On Implementability of Polymorphic Register Files, Proceedings of the 7th International Workshop on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC 2012), pp. 1-6, York, UK, July 2012, <https://doi.org/10.1109/ReCoSoC.2012.6322873>
19. **C. B. Ciobanu**, G. Kuzmanov, A. Ramirez, G. N. Gaydadjiev, Parallel Access Schemes for Polymorphic Register Files: Motivation Study, Advanced Computer Architecture and Compilation for Embedded Systems (ACACES), pp. 127-130, Fiuggi, Italy, 2011
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24. B. Spinean, **C. B. Ciobanu**, G. Kuzmanov, G. N. Gaydadjiev, Design Considerations for a Domain Specific Vector Microarchitecture, in proceedings of PRORISC 2007, pp. pp. 178-184, Veldhoven, The Netherlands, 2007
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05.08.2020

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