

Список литературы

- [1] *Aggarwal, V.* Evolving Sinusoidal Oscillators Using Genetic Algorithms / V. Aggarwal // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 67–76. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [2] *Aguirre, A.* Fitness Landscape and Evolutionary Boolean Synthesis using Information Theory Concepts / A. Aguirre, C. Coello // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 13–20. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [3] Comparing Different Serial and Parallel Heuristics to Design Combinatorial Logic Circuits / C. Coello, E. Alba, G. Luque, A. Aguirre // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 3–12. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [4] Developmental Processes in silicon: An Engineering Perspective / G. Tempesti, D. Mange, E. Petraglio et al. // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 255–264. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [5] *Dinerstein, J.* Automatic Multi-Module Neural Network Evolution in an Artificial Brain / J. Dinerstein, N. Dinerstein, H. de Garis // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 273–276. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [6] Evolvable Building Blocks for Analog Fuzzy Logic Controllers / J. F. Amaral, C. Santini, R. Tanscheit et al. // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 101–110. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [7] An Experiment on Nonlinear synthesis Using Evolutionary Techniques Based only on CMOS Transistors / J. Botelho, B. Leonardo, P. Vieira, A. Mesquita // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 50–58. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [8] Experimental Results in Evolutionary Fault-Recovery for Field Programmable / R. Zebulum, A. Stoica, X. Guo et al. // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 182–188. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [9] *Gallagher, J.* The Once and Future Analog Alternative: Evolvable Hardware and Analog Computation / J. Gallagher // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 43–49. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [10] *Garvie, M.* Evolution of Combinational and Sequential On-Line Self-Diagnosing Hardware / M. Garvie, A. Thompson // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 167–173. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [11] *Greenwood, G.* An Empirical Comparison of Evolutionary Algorithms for Evolvable Hardware with Minimum Time-To-Reconfigure requirements / G. Greenwood, E. Ramsden, S. Ahmed // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp

- et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 59–66. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [12] *Gwaltney, D.* Intrinsic Hardware Evolution for the Design and Reconfiguration of Analog Speed Controllers for a DC Motor / D. Gwaltney, M. I. Ferguson // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 81–90. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [13] *Harding, S.* A Scalable Platform for Intrinsic Hardware and in materio Evolution / S. Harding, J. F. Miller // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 221–224. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [14] Hardware Spiking Neural Network with Run-time Reconfigurable Connectivity in and Autonomous Robot / D. Roggen, S. Hofmann, Y. Thoma, D. Floreano // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 189–198. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [15] *Jackson, A. H.* Robot Fault-Tolerance Using and Embryonic Array / A. H. Jackson, R. Canham, A. M. Tyrrell // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 91–100. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [16] *Koza, J.* the Importance of Reuse and Development in Evolvable Hardware / J. Koza, M. Keane, M. Streeter // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 33–42. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [17] *Kramer, G. R.* Improvements to the *CGA Enabling Online Intrinsic Evolution in Compact EH Devices / G. R. Kramer, J. Gallagher // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 225–234. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [18] *Louis, S. J.* Learning for Evolutionary Design / S. J. Louis // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 17–21. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [19] Overview of Field Programmable Analog Arrays as Enabling Technology for Evolvable Hardware for High Reliability Systems / J. Plante, H. Shaw, L. Mickens, C. Johnson-Be // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 77–78. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [20] Power Dissipation Reductions with Genetic Algorithms / E. Takahashi, M. Murakawa, Y. Kasai, T. Higuchi // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 111–116. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [21] *R. Canham, A. H. J.* Robot Error Detection Using an Artificial Immune System / A. H. J. R. Canham, A. Tyrrell // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 199–207. — Mode of access [EHWhhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [22] Researches on Ingeniously Behaving Agents / S. Kamio, H. Liu, H. Mitsuhashi, H. Iba // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 208–220. — Mode of access <http://ieeexplore.ieee.org/iel5/8637/27376/01217668.pdf?tp=&arnumber=1217668&isnumber=27376>.

- [23] *Sayama, H.* Self-Protection Maintains Diversity of Artificial Self-Replicators Evolving in Cellular Automata / H. Sayama // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 242–254. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [24] *Sekanina, L.* Easily Testable Image Operators: The Class of Circuits Where Evolution Beats Engineers / L. Sekanina, R. Ruzicka // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 135–144. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [25] *Shanthi, A. P.* Exploring FPGA Structures for Evolving Fault Tolerant Hardware / A. P. Shanthi, R. Parthasarathi // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 174–181. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [26] *Silicon Validation of Evolution-Designed Circuits* / A. Stoica, R. Zebulum, X. Guo et al. // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 21–25. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [27] *Stauffer, A.* Data and Signals: A New Kind of Cellular Automation for Growing Systems / A. Stauffer, M. Sipper // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 235–241. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [28] *Thomson, R.* The Evolutionary Design and Synthesis of Non-Linear Digital VLSI Systems / R. Thomson, T. Arslan // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 125–134. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [29] *Tian, L.* An Evolutionary Power Management algorithm for SoC Based EHW Ststems / L. Tian, T. Arslan // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 117–124. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [30] *Vinger, K.* Implementing Evolution of FIR-Filters Efficiently in an FPGA / K. Vinger, J. Torresen // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 26–29. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).
- [31] *Zinchenko, L.* Fitness Estimations for Evolutionary Antenna Design / L. Zinchenko, S. Sorokin // 2003 NASA/DoD Conference on Evolvable Hardware / ed. by J. Lohn, R. Zebulum, J. Steincamp et al. ; NASA Ames Research Center. — Chicago, Illinois : IEEE Computer Society, 2003. — 9-11 July. — P. 155–166. — Mode of access [EHWhttp://ehw.jpl.nasa.gov](http://ehw.jpl.nasa.gov).