## Список литературы

- [Aggarwal(2003)] V. Aggarwal. Evolving Sinusoidal Oscillators Using Genetic Algorithms. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 67–76. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Aguirre and Coello(2003)] A. Aguirre and C. Coello. Fitness Landscape and Evolutionary Boolean Synthesis using Information Theory Concepts. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 13–20. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Amaral et al.(2003)Amaral, Santini, Tanscheit, Vellasco, Pacheco, and Mesquita] J. F. Amaral, C. Santini, R. Tanscheit, M. Vellasco, M. Pacheco, and A. Mesquita. Evolvable Building Blocks for Analog Fuzzy Logic Controllers. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 101–110. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [A.Stoica et al.(2003)A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, Duong, and M.I.Ferguson]
  A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, V. Duong, and M.I.Ferguson. Silicon Validation of Evolution-Designed Circuits. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 21–25. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Botelho et al.(2003)Botelho, Leonardo, Vieira, and Mesquita] J. Botelho, B. Leonardo, P. Vieira, and A. Mesquita. An Experiment on Nonlinear synthesis Using Evolutionary Techniques Based only on CMOS Transistors. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 50–58. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Coello et al.(2003)Coello, Alba, Luque, and Aguirre] C. Coello, E. Alba, G. Luque, and A. Aguirre. Comparing Different Serial and Parallel Heuristics to Design Combinatorial Logic Circuits. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 3–12. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Dinerstein et al.(2003)Dinerstein, Dinerstein, and de Garis] J. Dinerstein, N. Dinerstein, and H. de Garis. Automatic Multi-Module Neural Network Evolution in an Artificial Brain. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 273–276. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Gallagher(2003)] J. Gallagher. The Once and Future Analog Alternative: Evolvable Hardware and Analog Computation. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 43–49. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Garvie and Thompson(2003)] M. Garvie and A. Thompson. Evolution of Combinationial and Sequential On-Line Self-Diagnosing Hardware. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 167–173. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Greenwood et al.(2003)Greenwood, Ramsden, and Ahmed] G. Greenwood, E. Ramsden, and Saima Ahmed. An Empirical Comparison of Evolutionary Algorithms for Evolvable Hardware with

- Minimum Time-To-Reconfigure requirements. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 59–66. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Gwaltney and Ferguson(2003)] D. Gwaltney and M. I. Ferguson. Intrinsic Hardware Evolution for the Design and Reconfiguration of Analog Speed Controllers for a DC Motor. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 81–90. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Harding and Miller(2003)] S. Harding and J. F. Miller. A Scalable Platform for Intrinsic Hardware and in materio Evolution. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 221–224. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Jackson et al.(2003)Jackson, Canham, and Tyrrell] A. H. Jackson, R. Canham, and A. M. Tyrrell. Robot Fault-Tolerance Using and Embryonic Array. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 91–100. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Kamio et al.(2003)Kamio, Liu, Mitsuhasi, and Iba] Shotaro Kamio, Hongwei Liu, Hideyuki Mitsuhasi, and Hitoshi Iba. Researches on Ingeniously Behaving Agents. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 208–220. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Koza et al.(2003)Koza, Keane, and Streeter] J. Koza, M. Keane, and M. Streeter. the Importance of Reuse and Development in Evolvable Hardware. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 33–42. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Kramer and Gallagher (2003)] G. R. Kramer and J.C. Gallagher. Improvements to the \*CGA Enabling Online Intrinsic Evolution in Compact EH Devices. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 225–234. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Louis (2003)] S. J. Louis. Learning for Evolutionary Design. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 17–21. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Plante et al.(2003)Plante, Shaw, Mickens, and Johnson-Be] J. Plante, H. Shaw, L. Mickens, and C. Johnson-Be. Overview of Field Programmable Analog Arrays as Enabling Technology for Evolvable Hardware for High Reliability Systems. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 77–78. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [R. Canham and Tyrrell(2003)] A. H. Jackson R. Canham and A. Tyrrell. Robot Error Detection Using an Artificial Immune System. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 199–207. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.

- [Roggen et al.(2003)Roggen, Hofmann, Thoma, and Floreano] D. Roggen, S. Hofmann, Y. Thoma, and D. Floreano. Hardware Spiking Neural Network with Run-time Reconfigurable Connectivity in and Autonomous Robot. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 189–198. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [R.Zebulum et al.(2003)R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, Duong, and M.I.Ferguson]
  R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, V. Duong, and M.I.Ferguson. Experimental Results in Evolutionary Fault-Recovery for Field Programmble. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 182–188. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Sayama(2003)] H. Sayama. Self-Protection Maintains Diversity of Artificial Self-Replicators Evolving in Cellular Automata. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 242–254. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Sekanina and Ruzicka(2003)] L. Sekanina and R. Ruzicka. Easily Testable Image Operators: The Class of Circuits Where Evolution Beats Engineers. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 135–144. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Shanthi and R.Parthasarathi(2003)] A. P. Shanthi and R.Parthasarathi. Exploring FPGA Structures for Evolving Fault Tolerant Hardware. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 174–181. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Stauffer and Sipper(2003)] A. Stauffer and M. Sipper. Data and Signals: A New Kind of Cellular Automation for Growing Systems. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 235–241. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Takahashi et al.(2003)Takahashi, Murakawa, Kasai, and Higuchi] E. Takahashi, M. Murakawa, Y. Kasai, and T. Higuchi. Power Dissipation Reductions with Genetic Algorithms. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 111–116. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Tempesti et al.(2003)Tempesti, Mange, Petraglio, Stauffer, and Thoma] G. Tempesti, D. Mange, E. Petraglio, A. Stauffer, and Yann Thoma. Developmental Processes in silicon: An Engineering Perspective. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 255–264. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Thomson and Arslan(2003)] R. Thomson and T. Arslan. The Evolutionary Design and Synthesis of Non-Linear Digital VLSI Systems. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 125–134. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Tian and Arslan(2003)] L. Tian and T. Arslan. An Evolutionary Power Management algorithm for SoC Based EHW Ststems. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on

- Evolvable Hardware, pp. 117–124. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Vinger and Torresen(2003)] K. Vinger and J. Torresen. Implementing Evolution of FIR-Filters Efficiently in an FPGA. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 26–29. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.
- [Zinchenko and Sorokin(2003)] L. Zinchenko and S. Sorokin. Fitness Estimations for Evolutionary Antenna Design. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica, and Michael I. Ferguson (eds.) 2003 NASA/DoD Conference on Evolvable Hardware, pp. 155–166. NASA Ames Research Center (IEEE Computer Society, Chicago, Illinois, 2003). ISBN 0-7695-1977-6.