## Список литературы

- [Aggarwal(2003)] Aggarwal, V. (2003). Evolving sinusoidal oscillators using genetic algorithms. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 67–76. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Aguirre & Coello(2003)] Aguirre, A. & Coello, C. (2003). Fitness landscape and evolutionary boolean synthesis using information theory concepts. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 13–20. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Amaral et al.(2003)Amaral, Santini, Tanscheit, Vellasco, Pacheco, & Mesquita] Amaral, J. F., Santini, C., Tanscheit, R., Vellasco, M., Pacheco, M., & Mesquita, A. (2003). Evolvable building blocks for analog fuzzy logic controllers. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 101–110. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [A.Stoica et al.(2003)A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, Duong, & M.I.Ferguson] A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, Duong, V., & M.I.Ferguson (2003). Silicon validation of evolution-designed circuits. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 21–25. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Botelho et al.(2003)Botelho, Leonardo, Vieira, & Mesquita] Botelho, J., Leonardo, B., Vieira, P., & Mesquita, A. (2003). An experiment on nonlinear synthesis using evolutionary techniques based only on cmos transistors. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 50–58. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Coello et al.(2003)Coello, Alba, Luque, & Aguirre] Coello, C., Alba, E., Luque, G., & Aguirre, A. (2003). Comparing different serial and parallel heuristics to design combinatorial logic circuits. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 3–12. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Dinerstein et al.(2003)Dinerstein, Dinerstein, & de Garis] Dinerstein, J., Dinerstein, N., & de Garis, H. (2003). Automatic multi-module neural network evolution in an artificial brain. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 273–276. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Gallagher (2003)] Gallagher, J. (2003). The once and future analog alternative: Evolvable hardware and analog computation. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 43–49. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Garvie & Thompson(2003)] Garvie, M. & Thompson, A. (2003). Evolution of combinationial and sequential on-line self-diagnosing hardware. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 167–173. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Greenwood et al.(2003)Greenwood, Ramsden, & Ahmed] Greenwood, G., Ramsden, E., & Ahmed, S. (2003). An empirical comparison of evolutionary algorithms for evolvable hardware with minimum time-to-reconfigure requirements. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 59–66. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Gwaltney & Ferguson(2003)] Gwaltney, D. & Ferguson, M. I. (2003). Intrinsic hardware evolution for the design and reconfiguration of analog speed controllers for a dc motor. In 2003 NASA/DoD

- Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 81–90. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Harding & Miller(2003)] Harding, S. & Miller, J. F. (2003). A scalable platform for intrinsic hardware and in materio evolution. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 221–224. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Jackson et al.(2003)Jackson, Canham, & Tyrrell] Jackson, A. H., Canham, R., & Tyrrell, A. M. (2003). Robot fault-tolerance using and embryonic array. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 91–100. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Kamio et al.(2003)Kamio, Liu, Mitsuhasi, & Iba] Kamio, S., Liu, H., Mitsuhasi, H., & Iba, H. (2003).
  Researches on ingeniously behaving agents. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 208–220. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Koza et al.(2003)Koza, Keane, & Streeter] Koza, J., Keane, M., & Streeter, M. (2003). the importance of reuse and development in evolvable hardware. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 33–42. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Kramer & Gallagher(2003)] Kramer, G. R. & Gallagher, J. (2003). Improvements to the \*cga enabling online intrinsic evolution in compact eh devices. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 225–234. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Louis(2003)] Louis, S. J. (2003). Learning for evolutionary design. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 17–21. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Plante et al.(2003)Plante, Shaw, Mickens, & Johnson-Be] Plante, J., Shaw, H., Mickens, L., & Johnson-Be, C. (2003). Overview of field programmable analog arrays as enabling technology for evolvable hardware for high reliability systems. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 77–78. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [R. Canham & Tyrrell(2003)] R. Canham, A. H. J. & Tyrrell, A. (2003). Robot error detection using an artificial immune system. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 199–207. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Roggen et al.(2003)Roggen, Hofmann, Thoma, & Floreano] Roggen, D., Hofmann, S., Thoma, Y., & Floreano, D. (2003). Hardware spiking neural network with run-time reconfigurable connectivity in and autonomous robot. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 189–198. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [R.Zebulum et al.(2003)R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, Duong, & M.I.Ferguson]
  R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, Duong, V., & M.I.Ferguson (2003). Experimental results in evolutionary fault-recovery for field programmble. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 182–188. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).

- [Sayama(2003)] Sayama, H. (2003). Self-protection maintains diversity of artificial self-replicators evolving in cellular automata. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 242–254. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Sekanina & Ruzicka(2003)] Sekanina, L. & Ruzicka, R. (2003). Easily testable image operators: The class of circuits where evolution beats engineers. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 135–144. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Shanthi & R.Parthasarathi(2003)] Shanthi, A. P. & R.Parthasarathi (2003). Exploring fpga structures for evolving fault tolerant hardware. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 174–181. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Stauffer & Sipper(2003)] Stauffer, A. & Sipper, M. (2003). Data and signals: A new kind of cellular automation for growing systems. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 235–241. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Takahashi et al.(2003)Takahashi, Murakawa, Kasai, & Higuchi] Takahashi, E., Murakawa, M., Kasai, Y., & Higuchi, T. (2003). Power dissipation reductions with genetic algorithms. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 111–116. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Tempesti et al.(2003)Tempesti, Mange, Petraglio, Stauffer, & Thoma] Tempesti, G., Mange, D., Petraglio, E., Stauffer, A., & Thoma, Y. (2003). Developmental processes in silicon: An engineering perspective. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 255–264. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Thomson & Arslan(2003)] Thomson, R. & Arslan, T. (2003). The evolutionary design and synthesis of non-linear digital vlsi systems. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 125–134. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Tian & Arslan(2003)] Tian, L. & Arslan, T. (2003). An evolutionary power management algorithm for soc based ehw ststems. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 117–124. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Vinger & Torresen(2003)] Vinger, K. & Torresen, J. (2003). Implementing evolution of fir-filters efficiently in an fpga. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 26–29. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).
- [Zinchenko & Sorokin(2003)] Zinchenko, L. & Sorokin, S. (2003). Fitness estimations for evolutionary antenna design. In 2003 NASA/DoD Conference on Evolvable Hardware, J. Lohn, R. Zebulum, J. Steincamp, D. Keymeulen, A. Stoica, & M. I. Ferguson, eds., pp. 155–166. NASA Ames Research Center, (Chicago, Illinois: IEEE Computer Society).