

Список литературы

- [Aggarwal(2003)] V. Aggarwal. 2003. [Evolving sinusoidal oscillators using genetic algorithms](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 67–76, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Aguirre and Coello(2003)] A. Aguirre and C. Coello. 2003. [Fitness landscape and evolutionary boolean synthesis using information theory concepts](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 13–20, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [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. 2003. [Evolvable building blocks for analog fuzzy logic controllers](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 101–110, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [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. 2003. [Silicon validation of evolution-designed circuits](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 21–25, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Botelho et al.(2003)] Botelho, Leonardo, Vieira, and Mesquita] J. Botelho, B. Leonardo, P. Vieira, and A. Mesquita. 2003. [An experiment on nonlinear synthesis using evolutionary techniques based only on cmos transistors](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 50–58, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Coello et al.(2003)] Coello, Alba, Luque, and Aguirre] C. Coello, E. Alba, G. Luque, and A. Aguirre. 2003. [Comparing different serial and parallel heuristics to design combinatorial logic circuits](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 3–12, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Dinerstein et al.(2003)] Dinerstein, Dinerstein, and de Garis] J. Dinerstein, N. Dinerstein, and H. de Garis. 2003. [Automatic multi-module neural network evolution in an artificial brain](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 273–276, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Gallagher(2003)] J. Gallagher. 2003. [The once and future analog alternative: Evolvable hardware and analog computation](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 43–49, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Garvie and Thompson(2003)] M. Garvie and A. Thompson. 2003. [Evolution of combinational and sequential on-line self-diagnosing hardware](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 167–173, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Greenwood et al.(2003)] Greenwood, Ramsden, and Ahmed] G. Greenwood, E. Ramsden, and Saima Ahmed. 2003. [An empirical comparison of evolutionary algorithms for evolvable hardware with minimum time-to-reconfigure requirements](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 59–66, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Gwaltney and Ferguson(2003)] D. Gwaltney and M. I. Ferguson. 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*, pages 81–90, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Harding and Miller(2003)] S. Harding and J. F. Miller. 2003. [A scalable platform for intrinsic hardware and in materio evolution](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 221–224, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.

- [Jackson et al.(2003)Jackson, Canham, and Tyrrell] A. H. Jackson, R. Canham, and A. M. Tyrrell. 2003. [Robot fault-tolerance using and embryonic array](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 91–100, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Kamio et al.(2003)Kamio, Liu, Mitsuhasi, and Iba] Shotaro Kamio, Hongwei Liu, Hideyuki Mitsuhasi, and Hitoshi Iba. 2003. [Researches on ingeniously behaving agents](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 208–220, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Koza et al.(2003)Koza, Keane, and Streeter] J. Koza, M. Keane, and M. Streeter. 2003. [the importance of reuse and development in evolvable hardware](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 33–42, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Kramer and Gallagher(2003)] G. R. Kramer and J.C. Gallagher. 2003. [Improvements to the *cga enabling online intrinsic evolution in compact eh devices](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 225–234, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Louis(2003)] S. J. Louis. 2003. [Learning for evolutionary design](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 17–21, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Plante et al.(2003)Plante, Shaw, Mickens, and Johnson-Be] J. Plante, H. Shaw, L. Mickens, and C. Johnson-Be. 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*, pages 77–78, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [R. Canham and Tyrrell(2003)] A. H. Jackson R. Canham and A. Tyrrell. 2003. [Robot error detection using an artificial immune system](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 199–207, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Roggen et al.(2003)Roggen, Hofmann, Thoma, and Floreano] D. Roggen, S. Hofmann, Y. Thoma, and D. Floreano. 2003. [Hardware spiking neural network with run-time reconfigurable connectivity in and autonomous robot](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 189–198, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [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. 2003. [Experimental results in evolutionary fault-recovery for field programmable](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 182–188, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Sayama(2003)] H. Sayama. 2003. [Self-protection maintains diversity of artificial self-replicators evolving in cellular automata](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 242–254, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Sekanina and Ruzicka(2003)] L. Sekanina and R. Ruzicka. 2003. [Easily testable image operators: The class of circuits where evolution beats engineers](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 135–144, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Shanthi and R.Parthasarathi(2003)] A. P. Shanthi and R.Parthasarathi. 2003. [Exploring fpga structures for evolving fault tolerant hardware](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 174–181, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Stauffer and Sipper(2003)] A. Stauffer and M. Sipper. 2003. [Data and signals: A new kind of cellular automation for growing systems](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 235–241, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.

- [Takahashi et al.(2003)] Takahashi, Murakawa, Kasai, and Higuchi] E. Takahashi, M. Murakawa, Y. Kasai, and T. Higuchi. 2003. [Power dissipation reductions with genetic algorithms](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 111–116, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Tempesti et al.(2003)] Tempesti, Mange, Petraglio, Stauffer, and Thoma] G. Tempesti, D. Mange, E. Petraglio, A. Stauffer, and Yann Thoma. 2003. [Developmental processes in silicon: An engineering perspective](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 255–264, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Thomson and Arslan(2003)] R. Thomson and T. Arslan. 2003. [The evolutionary design and synthesis of non-linear digital vlsi systems](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 125–134, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Tian and Arslan(2003)] L. Tian and T. Arslan. 2003. [An evolutionary power management algorithm for soc based ehv ststems](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 117–124, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Vinger and Torresen(2003)] K. Vinger and J. Torresen. 2003. [Implementing evolution of fir-filters efficiently in an fpga](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 26–29, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.
- [Zinchenko and Sorokin(2003)] L. Zinchenko and S. Sorokin. 2003. [Fitness estimations for evolutionary antenna design](#). In *2003 NASA/DoD Conference on Evolvable Hardware*, pages 155–166, Chicago, Illinois. NASA Ames Research Center, IEEE Computer Society.