Список литературы

- Coello, C., Alba, E., Luque, G., and Aguirre, A. (2003) Comparing different serial and parallel heuristics to design combinatorial logic circuits. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 3-12, NASA Ames Research Center, IEEE Computer Society.
- [2] Aguirre, A. and Coello, C. (2003) Fitness landscape and evolutionary boolean synthesis using information theory concepts. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 13–20, NASA Ames Research Center, IEEE Computer Society.
- [3] Louis, S. J. (2003) Learning for evolutionary design. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 17–21, NASA Ames Research Center, IEEE Computer Society.
- [4] A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, Duong, V., and M.I.Ferguson (2003) Silicon validation of evolution-designed circuits. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 21–25, NASA Ames Research Center, IEEE Computer Society.
- [5] Vinger, K. and Torresen, J. (2003) Implementing evolution of fir-filters efficiently in an fpga. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 26–29, NASA Ames Research Center, IEEE Computer Society.
- [6] Koza, J., Keane, M., and Streeter, M. (2003) the importance of reuse and development in evolvable hardware. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 33– 42, NASA Ames Research Center, IEEE Computer Society.
- [7] Gallagher, J. (2003) The once and future analog alternative: Evolvable hardware and analog computation. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 43–49, NASA Ames Research Center, IEEE Computer Society.
- [8] Botelho, J., Leonardo, B., Vieira, P., and Mesquita, A. (2003) An experiment on nonlinear synthesis using evolutionary techniques based only on cmos transistors. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 50-58, NASA Ames Research Center, IEEE Computer Society.
- [9] Greenwood, G., Ramsden, E., and Ahmed, S. (2003) An empirical comparison of evolutionary algorithms for evolvable hardware with minimum time-to-reconfigure requirements. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 59-66, NASA Ames Research Center, IEEE Computer Society.
- [10] Aggarwal, V. (2003) Evolving sinusoidal oscillators using genetic algorithms. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 67–76, NASA Ames Research Center, IEEE Computer Society.
- [11] Plante, J., Shaw, H., Mickens, L., and Johnson-Be, C. (2003) Overview of field programmable analog arrays as enabling technology for evolvable hardware for high reliability systems. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 77–78, NASA Ames Research Center, IEEE Computer Society.

- [12] Gwaltney, D. and Ferguson, M. I. (2003) Intrinsic hardware evolution for the design and reconfiguration of analog speed controllers for a dc motor. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 81–90, NASA Ames Research Center, IEEE Computer Society.
- [13] Jackson, A. H., Canham, R., and Tyrrell, A. M. (2003) Robot fault-tolerance using and embryonic array. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 91–100, NASA Ames Research Center, IEEE Computer Society.
- [14] Amaral, J. F., Santini, C., Tanscheit, R., Vellasco, M., Pacheco, M., and Mesquita, A. (2003) Evolvable building blocks for analog fuzzy logic controllers. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 101–110, NASA Ames Research Center, IEEE Computer Society.
- [15] Takahashi, E., Murakawa, M., Kasai, Y., and Higuchi, T. (2003) Power dissipation reductions with genetic algorithms. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 111–116, NASA Ames Research Center, IEEE Computer Society.
- [16] Tian, L. and Arslan, T. (2003) An evolutionary power management algorithm for soc based ehw ststems. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 117–124, NASA Ames Research Center, IEEE Computer Society.
- [17] Thomson, R. and Arslan, T. (2003) The evolutionary design and synthesis of non-linear digital vlsi systems. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 125–134, NASA Ames Research Center, IEEE Computer Society.
- [18] Sekanina, L. and Ruzicka, R. (2003) Easily testable image operators: The class of circuits where evolution beats engineers. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 135–144, NASA Ames Research Center, IEEE Computer Society.
- [19] Zinchenko, L. and Sorokin, S. (2003) Fitness estimations for evolutionary antenna design. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 155–166, NASA Ames Research Center, IEEE Computer Society.
- [20] Garvie, M. and Thompson, A. (2003) Evolution of combinationial and sequential on-line self-diagnosing hardware. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 167–173, NASA Ames Research Center, IEEE Computer Society.
- [21] Shanthi, A. P. and R.Parthasarathi (2003) Exploring fpga structures for evolving fault tolerant hardware. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 174– 181, NASA Ames Research Center, IEEE Computer Society.
- [22] R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, Duong, V., and M.I.Ferguson (2003) Experimental results in evolutionary fault-recovery for field programmble. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 182–188, NASA Ames Research Center, IEEE Computer Society.
- [23] Roggen, D., Hofmann, S., Thoma, Y., and Floreano, D. (2003) Hardware spiking neural network with run-time reconfigurable connectivity in and autonomous robot. Lohn, J., Zebulum, R.,

- Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 189–198, NASA Ames Research Center, IEEE Computer Society.
- [24] R. Canham, A. H. J. and Tyrrell, A. (2003) Robot error detection using an artificial immune system. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 199– 207, NASA Ames Research Center, IEEE Computer Society.
- [25] Kamio, S., Liu, H., Mitsuhasi, H., and Iba, H. (2003) Researches on ingeniously behaving agents. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 208–220, NASA Ames Research Center, IEEE Computer Society.
- [26] Harding, S. and Miller, J. F. (2003) A scalable platform for intrinsic hardware and in materio evolution. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 221–224, NASA Ames Research Center, IEEE Computer Society.
- [27] Kramer, G. R. and Gallagher, J. (2003) Improvements to the *cga enabling online intrinsic evolution in compact eh devices. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 225–234, NASA Ames Research Center, IEEE Computer Society.
- [28] Stauffer, A. and Sipper, M. (2003) Data and signals: A new kind of cellular automation for growing systems. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 235–241, NASA Ames Research Center, IEEE Computer Society.
- [29] Sayama, H. (2003) Self-protection maintains diversity of artificial self-replicators evolving in cellular automata. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 242–254, NASA Ames Research Center, IEEE Computer Society.
- [30] Tempesti, G., Mange, D., Petraglio, E., Stauffer, A., and Thoma, Y. (2003) Developmental processes in silicon: An engineering perspective. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 255–264, NASA Ames Research Center, IEEE Computer Society.
- [31] Dinerstein, J., Dinerstein, N., and de Garis, H. (2003) Automatic multi-module neural network evolution in an artificial brain. Lohn, J., Zebulum, R., Steincamp, J., Keymeulen, D., Stoica, A., and Ferguson, M. I. (eds.), 2003 NASA/DoD Conference on Evolvable Hardware, Chicago, Illinois, 9-11 July, pp. 273–276, NASA Ames Research Center, IEEE Computer Society.