Список литературы

[Aguirre et al.(2003)Aguirre, Equihua, & Coello Coello] Aguirre, A. H., Equihua, E. C. G., & Coello Coello, C. A. (2003). Synthesis of boolean functions using information theory. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 218–227. (Trondheim, Norway: Springer-Verlag).

[Araujo et al.(2003)Araujo, Mesquita, & Pedroza] Araujo, S. G., Mesquita, A., & Pedroza, A. C. P. (2003). Using genetic programming and high level synthesis to design optimized datapath. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 434–445. (Trondheim, Norway: Springer-Verlag).

[Aunet & Hartmann(2003)] Aunet, S. & Hartmann, M. (2003). Real-time reconfigurable linear threshold elements and some applications to neural hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 365–376. (Trondheim, Norway: Springer-Verlag).

[Azhar & Dimond(2003)] Azhar, M. A. H. B. & Dimond, K. R. (2003). Hardware implementation of a genetic controller and effects of training on evolution. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 344–354. (Trondheim, Norway: Springer-Verlag).

[Bentley(2003)] Bentley, P. J. (2003). Evolving fractal proteins. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 81–92. (Trondheim, Norway: Springer-Verlag).

[Blynel(2003)] Blynel, J. (2003). Evolving reinforcement learning-like abilities for robots. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 320–331. (Trondheim, Norway: Springer-Verlag).

[Canham & Tyrrell(2003)] Canham, R. & Tyrrell, A. M. (2003). A learning, multi-layered, hardware artificial immune system implemented upon an embryonic array. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 174–185. (Trondheim, Norway: Springer-Verlag).

[Coello et al.(2003)Coello, Luna, & Aguirre] Coello, C. A. C., Luna, E. H., & Aguirre, A. H. (2003). Use of particle swarm optimization to design combinational logic circuits. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 398–409. (Trondheim, Norway: Springer-Verlag).

[Corno et al.(2003)Corno, Cumani, & Squillero] Corno, F., Cumani, F., & Squillero, G. (2003). Exploiting auto-adaptive μ-GP for highly effective test programs generation. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 262–273. (Trondheim, Norway: Springer-Verlag).

[de Degaris et al.(2003)de Degaris, Gaur, & Sriram] de Degaris, H., Gaur, A., & Sriram, R. (2003). Quantum versus evolutionary systems. total versus sampled search. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 457–466. (Trondheim, Norway: Springer-Verlag).

[Downing(2003)] Downing, K. L. (2003). Developmental models for emergent computation. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 105–116. (Trondheim, Norway: Springer-Verlag).

[Eriksson et al.(2003)Eriksson, Torres, Mitchell, Tucker, Lindsay, Halliday, Rosenberg, Moreno, & Villa] Eriksson, J., Torres, O., Mitchell, A., Tucker, G., Lindsay, K., Halliday, D., Rosenberg, J., Moreno, J.-M., & Villa, A. E. P. (2003). Spiking neural networks for reconfigurable POEtic tissue. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 165–173. (Trondheim, Norway: Springer-Verlag).

[Estrada(2003)] Estrada, G. G. (2003). A note on designing logical circuits using SAT. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 410–421. (Trondheim, Norway: Springer-Verlag).

[Garvie & Thompson(2003)] Garvie, M. & Thompson, A. (2003). Evolution of self-diagnosing hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 238–248. (Trondheim, Norway: Springer-Verlag).

[Goldsmith(2003)] Goldsmith, R. (2003). Real world hardware evolution: A mobile platform for sensor evolution. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 355–364. (Trondheim, Norway: Springer-Verlag).

[Greensted & Tyrrell(2003)] Greensted, A. J. & Tyrrell, A. M. (2003). Fault tolerance via endocrinologic based communication for multiprocessor systems. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 24–34. (Trondheim, Norway: Springer-Verlag).

[Kumar & Bentley(2003)] Kumar, S. & Bentley, P. J. (2003). Biologically inspired evolutionary development. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 57–68. (Trondheim, Norway: Springer-Verlag).

[Li & Lim(2003)] Li, J. H. & Lim, M. H. (2003). Evolvable fuzzy system for ATM cell scheduling. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 208–217. (Trondheim, Norway: Springer-Verlag).

[Lohn et al.(2003)Lohn, Larchev, & DeMara] Lohn, J., Larchev, G., & DeMara, R. (2003). A genetic representation for evolutionary fault recovery in Virtex FPGAs. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 47–56. (Trondheim, Norway: Springer-Verlag).

[Lund et al.(2003)Lund, Larsen, & Østergaard] Lund, H. H., Larsen, R. L., & Østergaard, E. H. (2003). Distributed control in self-reconfigurable robots. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 296–307. (Trondheim, Norway: Springer-Verlag).

[Miller & Thomson(2003)] Miller, J. F. & Thomson, P. (2003). A developmental method for growing graphs and circuits. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 93–104. (Trondheim, Norway: Springer-Verlag).

[Ortega-Sanchez et al.(2003)Ortega-Sanchez, Torres-Jimenez, & Morales-Cruz] Ortega-Sanchez, C., Torres-Jimenez, J., & Morales-Cruz, J. (2003). Routing of embryonic arrays using genetic algorithms. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 249–261. (Trondheim, Norway: Springer-Verlag).

[Østergaard & Lund(2003)] Østergaard, E. H. & Lund, H. H. (2003). Co-evolving complex robot behavior. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 308–319. (Trondheim, Norway: Springer-Verlag).

[Roggen et al.(2003)Roggen, Floreano, & Mattiussi] Roggen, D., Floreano, D., & Mattiussi, C. (2003). A morphogenetic evolutionary system: Phylogenesis of the POEtic circuit. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 153–164. (Trondheim, Norway: Springer-Verlag).

[Schmitz et al.(2003)Schmitz, Hohmann, Meier, Schemmel, & Schurmann] Schmitz, T., Hohmann, S., Meier, K., Schemmel, J., & Schurmann, F. (2003). Speeding up hardware evolution: A coprocessor for evolutionary algorithms. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 274–285. (Trondheim, Norway: Springer-Verlag).

[Schnier & Yao(2003)] Schnier, T. & Yao, X. (2003). Using negative correlation to evolve fault-tolerant circuits. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 35–46. (Trondheim, Norway: Springer-Verlag).

[Sekanina(2003)] Sekanina, L. (2003). Virtual reconfigurable circuits for real-world applications of evolvable hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 186–197. (Trondheim, Norway: Springer-Verlag).

[Smith et al.(2003)Smith, Crouch, & Tyrrell] Smith, S. L., Crouch, D. P., & Tyrrell, A. M. (2003). Evolving image processing operations for an evolvable hardware environment. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 332–343. (Trondheim, Norway: Springer-Verlag).

[Tanaka et al.(2003)Tanaka, Kameda, Yamamoto, & Ohuchi] Tanaka, F., Kameda, A., Yamamoto, M., & Ohuchi, A. (2003). The effect of the bulge loop upon the hybridization process in DNA computing. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 446–456. (Trondheim, Norway: Springer-Verlag).

[Tempesti et al.(2003)Tempesti, Roggen, Sanchez, Thoma, Canham, & Tyrrell] Tempesti, G., Roggen, D., Sanchez, E., Thoma, Y., Canham, R., & Tyrrell, A. M. (2003). Ontogenetic development and fault tolerance in the POEtic tissue. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 141–152. (Trondheim, Norway: Springer-Verlag).

[Teuscher & Capcarrere(2003)] Teuscher, C. & Capcarrere, M. S. (2003). On fireflies, cellular systems, and evolware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 1–12. (Trondheim, Norway: Springer-Verlag).

[Torresen(2003)] Torresen, J. (2003). Evolving multiplier circuits by training set and training vector partitioning. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 228–237. (Trondheim, Norway: Springer-Verlag).

[Tufte & Haddow(2003)] Tufte, G. & Haddow, P. C. (2003). Building knowledge into developmental rules for circuit design. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 69–80. (Trondheim, Norway: Springer-Verlag).

[Tyrrell et al.(2003)Tyrrell, Sanchez, Floreano, Tempesti, Mange, Moreno, Rosenberg, & Villa] Tyrrell, A. M., Sanchez, E., Floreano, D., Tempesti, G., Mange, D., Moreno, J.-M., Rosenberg, J., & Villa, A. E. P. (2003). POEtic tissue: An integrated architecture for bio-inspired hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 129–140. (Trondheim, Norway: Springer-Verlag).

[Van Belle et al.(2003)Van Belle, Mens, & D'Hondt] Van Belle, W., Mens, T., & D'Hondt, T. (2003). Using genetic programming to generate protocol adaptors for interprocess communication. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 422–433. (Trondheim, Norway: Springer-Verlag).

[van de Haar & Hoekstra(2003)] van de Haar, R. & Hoekstra, J. (2003). Simulation of a neural node using SET technology. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 377–386. (Trondheim, Norway: Springer-Verlag).

[van Remortel et al.(2003)van Remortel, Ceuppens, Defaweux, Lenaerts, & Manderick] van Remortel, P., Ceuppens, J., Defaweux, A., Lenaerts, T., & Manderick, B. (2003). Developmental effects on tuneable fitness landscapes. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 117–128. (Trondheim, Norway: Springer-Verlag).

[Venkateswaran & Chandramouli(2003)] Venkateswaran, N. & Chandramouli, C. (2003). General purpose processor architecture for modeling stochastic biological neuronal assemblies. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 387–397. (Trondheim, Norway: Springer-Verlag).

[Yasunaga et al.(2003)Yasunaga, Yoshihara, & Kim] Yasunaga, M., Yoshihara, I., & Kim, J. H. (2003). Gene finding using evolvable reasoning hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 198–207. (Trondheim, Norway: Springer-Verlag).

[Zebulum et al.(2003)Zebulum, Stoica, Keymeulen, Ferguson, Duong, Guo, & Vorperian] Zebulum, R. S., Stoica, A., Keymeulen, D., Ferguson, M. I., Duong, V., Guo, X., & Vorperian, V. (2003). Automatic evolution of signal separators using reconfigurable hardware. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 286–295. (Trondheim, Norway: Springer-Verlag).

[Zinchenko et al.(2003)Zinchenko, Muhlenbein, Kureichik, & Mahnig] Zinchenko, L., Muhlenbein, H., Kureichik, V., & Mahnig, T. (2003). A comparison of different circuit representations for evolutionary analog circuit design. In Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, A. M. Tyrrell, P. C. Haddow, & J. Torresen, eds., vol. 2606 of *LNCS*, pp. 13–23. (Trondheim, Norway: Springer-Verlag).