

Список литературы

- [1] S. G. Araujo, A. Mesquita, and A. C. P. Pedroza, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 434–445. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [2] S. Aunet and M. Hartmann, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 365–376. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [3] M. A. H. B. Azhar and K. R. Dimond, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 344–354. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [4] W. Van Belle, T. Mens, and T. D'Hondt, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 422–433. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [5] P. J. Bentley, "Evolving Fractal Proteins," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 81–92. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [6] J. Blynell, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 320–331. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [7] R. Canham and A. M. Tyrrell, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 174–185. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [8] C. A. C. Coello, E. H. Luna, and A. H. Aguirre, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 398–409. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [9] F. Corno, F. Cumani, and G. Squillero, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 262–273. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [10] K. L. Downing, "Developmental Models for Emergent Computation," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 105–116. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003. http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.

- [11] J. Eriksson, O. Torres, A. Mitchell, G. Tucker, K. Lindsay, D. Halliday, J. Rosenberg, J.-M. Moreno, and A. E. P. Villa, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 165–173. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [12] G. G. Estrada, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 410–421. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003. http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [13] H. de Degaris, A. Gaur, and R. Sriram, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 457–466. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [14] M. Garvie and A. Thompson, "Evolution of Self-diagnosing Hardware," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 238–248. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [15] R. Goldsmith, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 355–364. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [16] A. J. Greensted and A. M. Tyrrell, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 24–34. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [17] R. van de Haar and J. Hoekstra, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 377–386. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [18] A. H. Aguirre, E. C. G. Equihua, and C. A. Coello Coello, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 218–227. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [19] S. Kumar and P. J. Bentley, "Biologically Inspired Evolutionary Development," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 57–68. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [20] J. H. Li and M. H. Lim, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 208–217. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.

- [21] J. Lohn, G. Larchev, and R. DeMara, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 47–56. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [22] H. H. Lund, R. L. Larsen, and E. H. Østergaard, "Distributed Control in Self-reconfigurable Robots," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 296–307. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [23] J. F. Miller and P. Thomson, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 93–104. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [24] C. Ortega-Sanchez, J. Torres-Jimenez, and J. Morales-Cruz, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 249–261. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [25] E. H. Østergaard and H. H. Lund, "Co-evolving Complex Robot Behavior," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 308–319. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [26] P. van Remortel, J. Ceuppens, A. Defaweux, T. Lenaerts, and B. Manderick, "Developmental Effects on Tuneable Fitness Landscapes," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 117–128. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [27] D. Roggen, D. Floreano, and C. Mattiussi, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 153–164. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [28] T. Schmitz, S. Hohmann, K. Meier, J. Schemmel, and F. Schurmann, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 274–285. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003. http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [29] T. Schnier and X. Yao, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 35–46. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [30] L. Sekanina, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 186–197. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.

- [31] S. L. Smith, D. P. Crouch, and A. M. Tyrrell, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 332–343. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [32] F. Tanaka, A. Kameda, M. Yamamoto, and A. Ohuchi, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 446–456. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [33] G. Tempesti, D. Roggen, E. Sanchez, Y. Thoma, R. Canham, and A. M. Tyrrell, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 141–152. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003. http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [34] C. Teuscher and M. S. Capcarrere, "On Fireflies, Cellular Systems, and Evolvableware," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 1–12. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [35] J. Torresen, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 228–237. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [36] G. Tufte and P. C. Haddow, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 69–80. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [37] A. M. Tyrrell, E. Sanchez, D. Floreano, G. Tempesti, D. Mange, J.-M. Moreno, J. Rosenberg, and A. E. P. Villa, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 129–140. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [38] N. Venkateswaran and C. Chandramouli, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 387–397. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [39] M. Yasunaga, I. Yoshihara, and J. H. Kim, "Gene Finding Using Evolvable Reasoning Hardware," in *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, A. M. Tyrrell, P. C. Haddow, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 198–207. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.
- [40] R. S. Zebulum, A. Stoica, D. Keymeulen, M. I. Ferguson, V. Duong, X. Guo, and V. Vorperian, "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, and J. Torresen, eds., vol. 2606 of *LNCS*, pp. 286–295. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003.
http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.

- [41] L. Zinchenko, H. Muhlenbein, V. Kureichik, and T. Mahnig, “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, and J. Torresen, eds., vol. 2606 of *LNCIS*, pp. 13–23. Springer-Verlag, Trondheim, Norway, 17-20 mar., 2003. http://www.springer.de/cgi-bin/search_book.pl?isbn=3-540-00730-X.