

## Список литературы

- [1] Araujo, S. G., Mesquita, A., and Pedroza, A. C. P. (17-20 March, 2003) Using Genetic Programming and High Level Synthesis to Design Optimized Datapath. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 434–445.
- [2] Aunet, S. and Hartmann, M. (17-20 March, 2003) Real-time Reconfigurable Linear Threshold Elements and Some Applications to Neural Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 365–376.
- [3] Azhar, M. A. H. B. and Dimond, K. R. (17-20 March, 2003) Hardware Implementation of a Genetic Controller and Effects of Training on Evolution. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 344–354.
- [4] Van Belle, W., Mens, T., and D'Hondt, T. (17-20 March, 2003) Using Genetic Programming to Generate Protocol Adaptors for Interprocess Communication. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 422–433.
- [5] Bentley, P. J. (17-20 March, 2003) Evolving Fractal Proteins. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 81–92.
- [6] Blynell, J. (17-20 March, 2003) Evolving Reinforcement Learning-Like Abilities for Robots. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 320–331.
- [7] Canham, R. and Tyrrell, A. M. (17-20 March, 2003) A Learning, Multi-layered, Hardware Artificial Immune System Implemented upon an Embryonic Array. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 174–185.
- [8] Coello, C. A. C., Luna, E. H., and Aguirre, A. H. (17-20 March, 2003) Use of Particle Swarm Optimization to Design Combinational Logic Circuits. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 398–409.
- [9] Corno, F., Cumani, F., and Squillero, G. (17-20 March, 2003) Exploiting Auto-adaptive  $\mu$ -GP for Highly Effective Test Programs Generation. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 262–273.
- [10] Downing, K. L. (17-20 March, 2003) Developmental Models for Emergent Computation. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 105–116.
- [11] Eriksson, J., Torres, O., Mitchell, A., Tucker, G., Lindsay, K., Halliday, D., Rosenberg, J., Moreno, J.-M., and Villa, A. E. P. (17-20 March, 2003) Spiking Neural Networks for Reconfigurable POetic Tissue. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 165–173.
- [12] Estrada, G. G. (17-20 March, 2003) A Note on Designing Logical Circuits using SAT. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 410–421.

- [13] de Degaris, H., Gaur, A., and Sriram, R. (17-20 March, 2003) Quantum versus Evolutionary Systems. Total versus Sampled Search. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 457–466.
- [14] Garvie, M. and Thompson, A. (17-20 March, 2003) Evolution of Self-diagnosing Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 238–248.
- [15] Goldsmith, R. (17-20 March, 2003) Real World Hardware Evolution: A Mobile Platform for Sensor Evolution. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 355–364.
- [16] Greensted, A. J. and Tyrrell, A. M. (17-20 March, 2003) Fault Tolerance via Endocrinologic Based Communication for Multiprocessor Systems. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 24–34.
- [17] van de Haar, R. and Hoekstra, J. (17-20 March, 2003) Simulation of a Neural Node Using SET Technology. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 377–386.
- [18] Aguirre, A. H., Equihua, E. C. G., and Coello Coello, C. A. (17-20 March, 2003) Synthesis of Boolean Functions using Information Theory. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 218–227.
- [19] Kumar, S. and Bentley, P. J. (17-20 March, 2003) Biologically Inspired Evolutionary Development. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 57–68.
- [20] Li, J. H. and Lim, M. H. (17-20 March, 2003) Evolvable Fuzzy System for ATM Cell Scheduling. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 208–217.
- [21] Lohn, J., Larchev, G., and DeMara, R. (17-20 March, 2003) A Genetic Representation for Evolutionary Fault Recovery in Virtex FPGAs. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 47–56.
- [22] Lund, H. H., Larsen, R. L., and Østergaard, E. H. (17-20 March, 2003) Distributed Control in Self-reconfigurable Robots. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 296–307.
- [23] Miller, J. F. and Thomson, P. (17-20 March, 2003) A Developmental Method for Growing Graphs and Circuits. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 93–104.
- [24] Ortega-Sanchez, C., Torres-Jimenez, J., and Morales-Cruz, J. (17-20 March, 2003) Routing of Embryonic Arrays Using Genetic Algorithms. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 249–261.

- [25] Østergaard, E. H. and Lund, H. H. (17-20 March, 2003) Co-evolving Complex Robot Behavior. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 308–319.
- [26] van Remortel, P., Ceuppens, J., Defaweux, A., Lenaerts, T., and Manderick, B. (17-20 March, 2003) Developmental Effects on Tuneable Fitness Landscapes. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 117–128.
- [27] Roggen, D., Floreano, D., and Mattiussi, C. (17-20 March, 2003) A Morphogenetic Evolutionary System: Phylogenesis of the POEtic Circuit. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 153–164.
- [28] Schmitz, T., Hohmann, S., Meier, K., Schemmel, J., and Schurmann, F. (17-20 March, 2003) Speeding up Hardware Evolution: A Coprocessor for Evolutionary Algorithms. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 274–285.
- [29] Schnier, T. and Yao, X. (17-20 March, 2003) Using Negative Correlation to Evolve Fault-Tolerant Circuits. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 35–46.
- [30] Sekanina, L. (17-20 March, 2003) Virtual Reconfigurable Circuits for Real-World Applications of Evolvable Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 186–197.
- [31] Smith, S. L., Crouch, D. P., and Tyrrell, A. M. (17-20 March, 2003) Evolving Image Processing Operations for an Evolvable Hardware Environment. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 332–343.
- [32] Tanaka, F., Kameda, A., Yamamoto, M., and Ohuchi, A. (17-20 March, 2003) The Effect of the Bulge Loop upon the Hybridization Process in DNA Computing. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 446–456.
- [33] Tempesti, G., Roggen, D., Sanchez, E., Thoma, Y., Canham, R., and Tyrrell, A. M. (17-20 March, 2003) Ontogenetic Development and Fault Tolerance in the POEtic Tissue. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 141–152.
- [34] Teuscher, C. and Capcarrere, M. S. (17-20 March, 2003) On Fireflies, Cellular Systems, and Evolvable Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 1–12.
- [35] Torresen, J. (17-20 March, 2003) Evolving Multiplier Circuits by Training Set and Training Vector Partitioning. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 228–237.
- [36] Tufte, G. and Haddow, P. C. (17-20 March, 2003) Building Knowledge into Developmental Rules for Circuit Design. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 69–80.

- [37] Tyrrell, A. M., Sanchez, E., Floreano, D., Tempesti, G., Mange, D., Moreno, J.-M., Rosenberg, J., and Villa, A. E. P. (17-20 March, 2003) POETic Tissue: An Integrated Architecture for Bio-inspired Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 129–140.
- [38] Venkateswaran, N. and Chandramouli, C. (17-20 March, 2003) General Purpose Processor Architecture for Modeling Stochastic Biological Neuronal Assemblies. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 387–397.
- [39] Yasunaga, M., Yoshihara, I., and Kim, J. H. (17-20 March, 2003) Gene Finding Using Evolvable Reasoning Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 198–207.
- [40] Zebulum, R. S., Stoica, A., Keymeulen, D., Ferguson, M. I., Duong, V., Guo, X., and Vorperian, V. (17-20 March, 2003) Automatic Evolution of Signal Separators using Reconfigurable Hardware. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 286–295.
- [41] Zinchenko, L., Muhlenbein, H., Kureichik, V., and Mahnig, T. (17-20 March, 2003) A Comparison of Different Circuit Representations for Evolutionary Analog Circuit Design. In Tyrrell, A. M., Haddow, P. C., and Torresen, J., (eds.), *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, Trondheim, Norway: Springer-Verlag Vol. 2606 of LNCS, pp. 13–23.