

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*, (Trondheim, Norway), pp. 434–445, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 365–376, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 344–354, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 422–433, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 81–92, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 320–331, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 174–185, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 398–409, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 262–273, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 105–116, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 165–173, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 410–421, Springer-Verlag, 17-20 Mar., 2003.

- [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*, (Trondheim, Norway), pp. 457–466, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 238–248, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 355–364, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 24–34, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 377–386, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 218–227, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 57–68, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 208–217, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 47–56, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 296–307, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 93–104, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 249–261, Springer-Verlag, 17-20 Mar., 2003.

- [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*, (Trondheim, Norway), pp. 308–319, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 117–128, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 153–164, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 274–285, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 35–46, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 186–197, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 332–343, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 446–456, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 141–152, Springer-Verlag, 17-20 Mar., 2003.
- [34] C. Teuscher and M. S. Capcarrere, *On fireflies, cellular systems, and evolware*, 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*, (Trondheim, Norway), pp. 1–12, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 228–237, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 69–80, Springer-Verlag, 17-20 Mar., 2003.

- [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*, (Trondheim, Norway), pp. 129–140, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 387–397, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 198–207, Springer-Verlag, 17-20 Mar., 2003.
- [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*, (Trondheim, Norway), pp. 286–295, Springer-Verlag, 17-20 Mar., 2003.
- [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 *LNCS*, (Trondheim, Norway), pp. 13–23, Springer-Verlag, 17-20 Mar., 2003.