## Список литературы

- [Aguirre et al.(2003)Aguirre, Equihua, and Coello Coello] Arturo Hernandez Aguirre, Edgar C. Gonzalez Equihua, and Carlos A. Coello Coello. Synthesis of Boolean Functions using Information Theory. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 218–227 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Araujo et al.(2003) Araujo, Mesquita, and Pedroza] Sergio G. Araujo, A. Mesquita, and Aloysio C. P. Pedroza. Using Genetic Programming and High Level Synthesis to Design Optimized Datapath. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 434–445 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Aunet and Hartmann(2003)] Snorre Aunet and Morten Hartmann. Real-time Reconfigurable Linear Threshold Elements and Some Applications to Neural Hardware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 365–376 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Azhar and Dimond(2003)] M. A. H. B. Azhar and K. R. Dimond. Hardware Implementation of a Genetic Controller and Effects of Training on Evolution. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 344–354 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Bentley(2003)] Peter J. Bentley. Evolving Fractal Proteins. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 81–92 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Blynel(2003)] Jesper Blynel. Evolving Reinforcement Learning-Like Abilities for Robots. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 320–331 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Canham and Tyrrell(2003)] Richard Canham and Andy M. Tyrrell. A Learning, Multi-layered, Hardware Artificial Immune System Implemented upon an Embryonic Array. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 174–185 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Coello et al.(2003)Coello, Luna, and Aguirre] Carlos A. Coello Coello, Erika Hernandez Luna, and Arturo Hernandez Aguirre. Use of Particle Swarm Optimization to Design Combinational Logic Circuits. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 398–409 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Corno et al.(2003)Corno, Cumani, and Squillero] F. Corno, F. Cumani, and G. Squillero. Exploiting Auto-adaptive μ-GP for Highly Effective Test Programs Generation. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 262–273 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [de Degaris et al.(2003)de Degaris, Gaur, and Sriram] Hugo de Degaris, Amit Gaur, and Ravichandra Sriram. Quantum versus Evolutionary Systems. Total versus Sampled Search. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 457–466 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.

- [Downing(2003)] Keith L. Downing. Developmental Models for Emergent Computation. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 105–116 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Eriksson et al.(2003)Eriksson, Torres, Mitchell, Tucker, Lindsay, Halliday, Rosenberg, Moreno, and Villa] Jan Eriksson, Oriol Torres, Andrew Mitchell, Gayle Tucker, Ken Lindsay, David Halliday, Jay Rosenberg, Juan-Manuel Moreno, and Alessandro E. P. Villa. Spiking Neural Networks for Reconfigurable POEtic Tissue. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 165–173 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Estrada(2003)] Giovani G. Estrada. A Note on Designing Logical Circuits using SAT. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 410–421 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Garvie and Thompson(2003)] Miguel Garvie and Adrian Thompson. Evolution of Self-diagnosing Hardware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 238–248 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Goldsmith(2003)] Robert Goldsmith. Real World Hardware Evolution: A Mobile Platform for Sensor Evolution. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 355–364 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Greensted and Tyrrell(2003)] Andrew J. Greensted and Andy M. Tyrrell. Fault Tolerance via Endocrinologic Based Communication for Multiprocessor Systems. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 24–34 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Kumar and Bentley(2003)] Sanjeev Kumar and Peter J. Bentley. Biologically Inspired Evolutionary Development. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 57–68 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Li and Lim(2003)] J. H. Li and M. H. Lim. Evolvable Fuzzy System for ATM Cell Scheduling. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 208–217 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Lohn et al.(2003)Lohn, Larchev, and DeMara] Jason Lohn, Greg Larchev, and Ronald DeMara. A Genetic Representation for Evolutionary Fault Recovery in Virtex FPGAs. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 47–56 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Lund et al.(2003)Lund, Larsen, and Østergaard] Henrik Hautop Lund, Rasmus L. Larsen, and Esben H. Østergaard. Distributed Control in Self-reconfigurable Robots. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 296–307 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Miller and Thomson(2003)] Julian F. Miller and Peter Thomson. A Developmental Method for Growing Graphs and Circuits. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 93–104 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.

- [Ortega-Sanchez et al.(2003)Ortega-Sanchez, Torres-Jimenez, and Morales-Cruz] Cesar Ortega-Sanchez, Jose Torres-Jimenez, and Jorge Morales-Cruz. Routing of Embryonic Arrays Using Genetic Algorithms. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 249–261 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Østergaard and Lund(2003)] Esben H. Østergaard and Henrik Hautop Lund. Co-evolving Complex Robot Behavior. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 308–319 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Roggen et al.(2003)Roggen, Floreano, and Mattiussi] Daniel Roggen, Dario Floreano, and Claudio Mattiussi. A Morphogenetic Evolutionary System: Phylogenesis of the POEtic Circuit. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 153–164 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Schmitz et al.(2003)Schmitz, Hohmann, Meier, Schemmel, and Schurmann] Tillmann Schmitz, Steffen Hohmann, Karlheinz Meier, Johannes Schemmel, and Felix Schurmann. Speeding up Hardware Evolution: A Coprocessor for Evolutionary Algorithms. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 274–285 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Schnier and Yao(2003)] Thorsten Schnier and Xin Yao. Using Negative Correlation to Evolve Fault-Tolerant Circuits. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 35–46 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Sekanina(2003)] Lukas Sekanina. Virtual Reconfigurable Circuits for Real-World Applications of Evolvable Hardware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 186–197 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Smith et al.(2003)Smith, Crouch, and Tyrrell] Stephen L. Smith, David P. Crouch, and Andy M. Tyrrell. Evolving Image Processing Operations for an Evolvable Hardware Environment. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 332–343 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Tanaka et al.(2003)Tanaka, Kameda, Yamamoto, and Ohuchi] Fumiaki Tanaka, Atsushi Kameda, Masahito Yamamoto, and Azuma Ohuchi. The Effect of the Bulge Loop upon the Hybridization Process in DNA Computing. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 446–456 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Tempesti et al.(2003)Tempesti, Roggen, Sanchez, Thoma, Canham, and Tyrrell] Gianluca Tempesti, Daniel Roggen, Eduardo Sanchez, Yann Thoma, Richard Canham, and Andy M. Tyrrell. Ontogenetic Development and Fault Tolerance in the POEtic Tissue. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 141–152 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Teuscher and Capcarrere(2003)] Christof Teuscher and Mathieu S. Capcarrere. On Fireflies, Cellular Systems, and Evolware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 1–12 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Torresen(2003)] Jim Torresen. Evolving Multiplier Circuits by Training Set and Training Vector Partitioning. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems:

- From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 228–237 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Tufte and Haddow(2003)] Gunnar Tufte and Pauline C. Haddow. Building Knowledge into Developmental Rules for Circuit Design. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 69–80 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Tyrrell et al.(2003)Tyrrell, Sanchez, Floreano, Tempesti, Mange, Moreno, Rosenberg, and Villa] Andy M. Tyrrell, Eduardo Sanchez, Dario Floreano, Gianluca Tempesti, Daniel Mange, Juan-Manuel Moreno, Jay Rosenberg, and Alessandro E. P. Villa. *POEtic Tissue: An Integrated Architecture for Bio-inspired Hardware*. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) *Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003*, volume 2606 of *LNCS*, pp. 129–140 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Van Belle et al.(2003)Van Belle, Mens, and D'Hondt] Werner Van Belle, Tom Mens, and Theo D'Hondt. Using Genetic Programming to Generate Protocol Adaptors for Interprocess Communication. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 422–433 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [van de Haar and Hoekstra(2003)] Rudie van de Haar and Jaap Hoekstra. Simulation of a Neural Node Using SET Technology. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 377–386 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [van Remortel et al.(2003)van Remortel, Ceuppens, Defaweux, Lenaerts, and Manderick] Piet van Remortel, Johan Ceuppens, Anne Defaweux, Tom Lenaerts, and Bernard Manderick. Developmental Effects on Tuneable Fitness Landscapes. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 117–128 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Venkateswaran and Chandramouli(2003)] N. Venkateswaran and C. Chandramouli. General Purpose Processor Architecture for Modeling Stochastic Biological Neuronal Assemblies. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 387–397 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Yasunaga et al.(2003)Yasunaga, Yoshihara, and Kim] Moritoshi Yasunaga, Ikuo Yoshihara, and Jung H. Kim. Gene Finding Using Evolvable Reasoning Hardware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 198–207 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Zebulum et al.(2003)Zebulum, Stoica, Keymeulen, Ferguson, Duong, Guo, and Vorperian]
  Ricardo S. Zebulum, Adrian Stoica, Didier Keymeulen, M. I. Ferguson, Vu Duong, Xin Guo, and Vatche Vorperian. Automatic Evolution of Signal Separators using Reconfigurable Hardware. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 286–295 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.
- [Zinchenko et al.(2003)Zinchenko, Muhlenbein, Kureichik, and Mahnig] Lyudmilla Zinchenko, Heinz Muhlenbein, Victor Kureichik, and Thilo Mahnig. A Comparison of Different Circuit Representations for Evolutionary Analog Circuit Design. In Andy M. Tyrrell, Pauline C. Haddow, and Jim Torresen (eds.) Evolvable Systems: From Biology to Hardware, Fifth International Conference, ICES 2003, volume 2606 of LNCS, pp. 13–23 (Springer-Verlag, Trondheim, Norway, 2003). ISBN 3-540-00730-X.