Список литературы

[Aggarwal 03] V. Aggarwal. *Evolving Sinusoidal Oscillators Using Genetic Algorithms.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 67–76, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Aguirre 03] A. Aguirre & C. Coello. *Fitness Landscape and Evolutionary Boolean Synthesis using Information Theory Concepts.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 13–20, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Amaral 03] J. F. Amaral, C. Santini, R. Tanscheit, M. Vellasco, M. Pacheco & A. Mesquita. *Evolvable Building Blocks for Analog Fuzzy Logic Controllers.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 101–110, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[A.Stoica 03] A.Stoica, R.Zebulum, X.Guo, D.Keymeulen, V. Duong & M.I.Ferguson. *Silicon Validation of Evolution-Designed Circuits.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 21–25, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Botelho 03] J. Botelho, B. Leonardo, P. Vieira & A. Mesquita. *An Experiment on Nonlinear synthesis Using Evolutionary Techniques Based only on CMOS Transistors.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 50–58, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Coello 03] C. Coello, E. Alba, G. Luque & A. Aguirre. *Comparing Different Serial and Parallel Heuristics to Design Combinatorial Logic Circuits.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 3–12, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Dinerstein 03] J. Dinerstein, N. Dinerstein & H. de Garis. *Automatic Multi-Module Neural Network Evolution in an Artificial Brain.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 273–276, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Gallagher 03] J. Gallagher. *The Once and Future Anaolg Alternative: Evolvable Hardware and Analog Computation.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 43–49, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Garvie 03] M. Garvie & A. Thompson. *Evolution of Combinationial and Sequential On-Line Self-Diagnosing Hardware.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 167–173, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Greenwood 03] G. Greenwood, E. Ramsden & Saima Ahmed. *An Empirical Comparison of Evolutionary Algorithms for Evolvable Hardware with Minimum Time-To-Reconfigure*

requirements. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 59–66, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Gwaltney 03] D. Gwaltney & M. I. Ferguson. *Intrinsic Hardware Evolution for the Design and Reconfiguration of Analog Speed Controllers for a DC Motor*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 81–90, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Harding 03] S. Harding & J. F. Miller. *A Scalable Platform for Intrinsic Hardware and in materio Evolution*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 221–224, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Jackson 03] A. H. Jackson, R. Canham & A. M. Tyrrell. *Robot Fault-Tolerance Using and Embryonic Array*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 91–100, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Kamio 03] Shotaro Kamio, Hongwei Liu, Hideyuki Mitsuhasi & Hitoshi Iba. *Researches on Ingeniously Behaving Agents*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 208–220, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Koza 03] J. Koza, M. Keane & M. Streeter. *the Importance of Reuse and Development in Evolvable Hardware*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 33–42, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Kramer 03] G. R. Kramer & J.C. Gallagher. *Improvements to the *CGA Enabling Online Intrinsic Evolution in Compact EH Devices*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 225–234, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Louis 03] S. J. Louis. *Learning for Evolutionary Design*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 17–21, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Plante 03] J. Plante, H. Shaw, L. Mickens & C. Johnson-Be. *Overview of Field Programmable Analog Arrays as Enabling Technology for Evolvable Hardware for High Reliability Systems*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 77–78, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[R. Canham 03] A. H. Jackson R. Canham & A. Tyrrell. *Robot Error Detection Using an Artificial Immune System*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 199–207, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Roggen 03] D. Roggen, S. Hofmann, Y. Thoma & D. Floreano. *Hardware Spiking Neural Network with Run-time Reconfigurable Connectivity in and Autonomous Robot.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 189–198, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[R.Zebulum 03] R.Zebulum, A.Stoica, X.Guo, D.Keymeulen, V. Duong & M.I.Ferguson. *Experimental Results in Evolutionary Fault-Recovery for Field Programmble.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 182–188, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Sayama 03] H. Sayama. *Self-Protection Maintains Diversity of Artificial Self-Replicators Evolving in Cellular Automata.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 242–254, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Sekanina 03] L. Sekanina & R. Ruzicka. *Easily Testable Image Operators: The Class of Circuits Where Evolution Beats Engineers.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 135–144, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Shanthi 03] A. P. Shanthi & R.Parthasarathi. *Exploring FPGA Structures for Evolving Fault Tolerant Hardware.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 174–181, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Stauffer 03] A. Stauffer & M. Sipper. *Data and Signals: A New Kind of Cellular Automation for Growing Systems.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 235–241, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Takahashi 03] E. Takahashi, M. Murakawa, Y. Kasai & T. Higuchi. *Power Dissipation Reductions with Genetic Algorithms.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 111–116, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Tempesti 03] G. Tempesti, D. Mange, E. Petraglio, A. Stauffer & Yann Thoma. *Developmental Processes in silicon: An Engineering Perspective.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 255–264, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Thomson 03] R. Thomson & T. Arslan. *The Evolutionary Design and Synthesis of Non-Linear Digital VLSI Systems.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 125–134, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Tian 03] L. Tian & T. Arslan. *An Evolutionary Power Management algorithm for SoC Based EHW Ststems.* In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 117–124, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Vinger 03] K. Vinger & J. Torresen. *Implementing Evolution of FIR-Filters Efficiently in an FPGA*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 26–29, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.

[Zinchenko 03] L. Zinchenko & S. Sorokin. *Fitness Estimations for Evolutionary Antenna Design*. In Jason Lohn, Ricardo Zebulum, James Steincamp, Didier Keymeulen, Adrian Stoica & Michael I. Ferguson, editeurs, 2003 NASA/DoD Conference on Evolvable Hardware, pages 155–166, Chicago, Illinois, 9-11 July 2003. NASA Ames Research Center, IEEE Computer Society.