## Список литературы

Hussein A. Abbass. The Self-Adaptive Pareto Differential Evolution [Abbass 02a] In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 831-836. IEEE Press, 2002.

[Abbass 02b] Hussein A. Abbass, Nguyen Xuan Hoai & Robert I. McKay. AntTAG: A New Method to Compose Computer Programs Using Colonies of Ants. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1654–1659. IEEE Press, 2002.

[Acan 02] Adnan Acan. Reciprocal Translocation with Adaptive Segment Length. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 646–651. IEEE Press, 2002.

Hernan Aguirre & Kiyoshi Tanaka. Parallel Varying Mutation Genetic In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 795–800. IEEE Press, 2002.

> Akiko Aizawa. A Co-evolutionary Framework for Clustering in Information Retrieval Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1787–1792. IEEE Press, 2002.

Burcin Aktan, Garrison Greenwood & Molly Shor. Improving Evolutionary Algorithm Performance on Maximizing Functional Test Coverage of ASICs Using Adaptation of the Fitness Criteria. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1825–1829. IEEE Press, 2002.

Buthainah Al-kazemi & Chilukuri K. Mohan. Multi-Phase Generalization of the Particle Swarm Optimization Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 489–494. IEEE Press, 2002.

Ahmad Al-Yamani, Sadiq M. Sait & Hassan R. Barada. HPTS: Heterogeneous Parallel Tabu Search for VLSI Placement. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 351–355. IEEE Press, 2002.

A. P. Alves da Silva & P. J. Abrao. Applications of Evolutionary Computation in Electric Power Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1057–1062. IEEE Press, 2002.

Stevan J. Anastasoff. The Presence of Old Alus in GC-Rich Regions of the Human Genome - A Genetic Algorithm Perspective. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul

[Aguirre 02]

[Aizawa 02]

[Aktan 02]

[Al-kazemi 02]

[Al-Yamani 02]

[Alves da Silva 02]

[Anastasoff 02]

Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 7–12. IEEE Press, 2002.

[Anchor 02a]

Kevin Anchor, Gary Lamont & Gregg Gunsch. An Evolutionary Programming Approach for Detecting Novel Computer Network Attacks. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1618–1623. IEEE Press, 2002.

[Anchor 02b]

Kevin P. Anchor, Paul D. Williams, Gregg H. Gunsch & Gary B. Lamont. The Computer Defense Immune System: Current and Future Research in Intrusion Detection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1027–1032. IEEE Press, 2002.

[Ando 02a]

Shin Ando & Hitoshi Iba. Ant Algorithm for Construction of Evolutionary Tree. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1552–1557. IEEE Press, 2002.

[Ando 02b]

Shin Ando, Hitoshi Iba & Erina Sakamoto. *Modeling Genetic Network by Hybrid GP*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 291–296. IEEE Press, 2002.

[Ang 02]

Kiam Heong Ang, Gregory Chong & Yun Li. Preliminary Statement on the Current Progress of Multi-Objective Evolutionary Algorithm Performance Measurement. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1139–1144. IEEE Press, 2002.

[Ashlock 02a]

Dan Ashlock, Andrew Wittrock & Tsui-Jung Wen. Training Finite State Machines to Improve PCR Primer Design. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 13–18. IEEE Press, 2002.

[Ashlock 02b]

Daniel Ashlock, Ling Guo & Fang Qiu. Greedy Closure Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1296–1301. IEEE Press, 2002.

[Avgerinos 02]

E. Avgerinos, A. M. S. Zalzala & G. Zografos. Towards Evolutionary Optimisation for High Resolution Bathymetry from SideScan Sonars. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1244–1249. IEEE Press, 2002.

[Bahuman 02]

Anil Bahuman, Khaled Rasheed & Benjamin Bishop. An Evolutionary Approach for VLSI Standard Cell Design. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 431–436. IEEE Press, 2002.

[Balthrop 02]

Justin Balthrop, Stephanie Forrest & Matthew R. Glickman. Revisting LISYS: Parameters and Normal Behavior. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1045–1050. IEEE Press, 2002.

[Basseur 02]

Matthieu Basseur, Franck Seynhaeve & El ghazali Talbi. Design of Multi-Objective Evolutionary Algorithms: Application to the Flow-Shop Scheduling Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1151–1156. IEEE Press, 2002.

[Beielstein 02a]

T. Beielstein, J. Dienstuhl, C. Feist & M. Pompl. *Circuit Design Using Evolutionary Algorithms*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1904–1909. IEEE Press, 2002.

[Beielstein 02b]

Thomas Beielstein & Sandor Markon. Threshold Selection, Hypothesis Tests, and DOE Methods. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 777–782. IEEE Press, 2002.

[Bendtsen 02a]

Claus N. Bendtsen & Thiemo Krink. Dynamic Memory Model for Non-Stationary Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 145–150. IEEE Press, 2002.

[Bendtsen 02b]

Claus N. Bendtsen & Thiemo Krink. *Phone Routing using the Dynamic Memory Model*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 992–997. IEEE Press, 2002.

[Bersini 02]

Hugues Bersini. And the winner is not the fittest. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1510–1515. IEEE Press, 2002.

[Bin 02]

Wu Bin, Zheng Yi, Liu Shaohui & Shi Zhongzhi. *CSIM: A Document Clustering Algorithm Based On Swarm Intelligence*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 477–482. IEEE Press, 2002.

[Bird 02]

Jon Bird & Paul Layzell. The Evolved Radio and its Implications for Modelling the Evolution of Novel Sensors. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1836–1841. IEEE Press, 2002.

[Bjarnason 02]

R. Bjarnason & T. Peterson. *Multi-agent Learning via Implicit Opponent Modeling*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1534–1539. IEEE Press, 2002.

[Blackwell 02a]

Tim Blackwell & Peter J. Bentley. *Don't Push Me! Collision-Avoiding Swarms*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1691–1696. IEEE Press, 2002.

[Blackwell 02b]

Tim Blackwell & Peter J. Bentley. *Improvised Music with Swarms*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1462–1467. IEEE Press, 2002.

[Blaha 02]

Brian Blaha & Don Wunsch. Evolutionary Programming to Optimize an Assembly Program. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1901–1903. IEEE Press, 2002.

[Blum 02]

Christian Blum & Michael Sampels. Ant Colony Optimization for FOP Shop Scheduling: A case study on different pheromone representations. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1558–1563. IEEE Press, 2002.

[Bongard 02]

Josh C. Bongard. Evolving Modular Genetic Regulatory Networks. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1872–1877. IEEE Press, 2002.

[Boonlong 02]

K. Boonlong, N. Chaiyaratana & S. Kuntanapreeda. Using A Co-Operative Co-Evolutionary Genetic Algorithm to Solve Optimal Control Problems in a Hysteresis System. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1504–1509. IEEE Press, 2002.

[Bradley 02]

Daryl Bradley & Andy Tyrrell. A Hardware Immune System for Benchmark State Machine Error Detection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 813–818. IEEE Press, 2002.

[Brewster 02]

J. Brewster, R. G. Reynolds & Monica A. Brockmeyer. Not in My Backyard: A Simulation of the Effects of Agent Mobility on Environmental Poisoning. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 849–854. IEEE Press, 2002.

[Burczynski 02]

T. Burczynski, W. Kus, E. Majchrzak, P. Orantek & M. Dziewonski. Evolutionary Computation in Identification of a Tumor. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1250–1254. IEEE Press, 2002.

[Burke 02]

Edmund K Burke, Patrick De Causmaecker, Sanja Petrovic & Greet Vanden Berghe. A Multi Criteria Meta-heuristic Approach to Nurse Rostering. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1197–1202. IEEE Press, 2002.

[Cambier 02]

Christophe Cambier, Marie Piron & Alain Cardon. Self-adaptive systems using a Massive Multi-agent system. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 345–350. IEEE Press, 2002.

[Canham 02]

R. O. Canham & A. M. Tyrrell. Evolved Fault Tolerance in Evolvable Hardware. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1267–1271. IEEE Press, 2002.

[Cartlidge 02]

John Cartlidge & Seth Bullock. Learning lessons from the common cold: How reducing parasite virulence improves coevolutionary optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1420–1425. IEEE Press, 2002.

[Caswell 02]

David J. Caswell & Gary B. Lamont. Wire-Antenna Geometry Design with Multiobjective Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 103–108. IEEE Press, 2002.

[Cayzer 02]

Steve Cayzer & Uwe Aickelin. A Recommender System based on the Immune Network. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 807–812. IEEE Press, 2002.

[Cazangi 02]

Renato Reder Cazangi & Mauricio Figueiredo. Simultaneous Emergence of Conflicting Basic Behaviors and Their Coordination in an Evolutionary Autonomous Navigation System. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 466–471. IEEE Press, 2002.

[Chan 02]

C. K. Chan, H. B. Gooi & M. H. Lim. A Co-evolutionary Algorithm approach to a University Timetable System. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1946–1951. IEEE Press, 2002.

[Chang 02]

Ming Chang, Kazuhiro Ohkura, Kanji Ueda & Masaharu Sugiyama. *A symbiotic evolutionay algorithm for dynamic facility layout problem*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1745–1750. IEEE Press, 2002.

[Chavali 02]

Sudhakar Chavali, Anil Pahwa & Sanjoy Das. A Genetic Algorithm Approach for Optimal Distribution Feeder Restoration During Cold Load Pickup. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1816–1819. IEEE Press, 2002.

[Cheh 02]

John J. Cheh. A Heuristic Approach to Efficient Production of Detector Sets for An Artificial Immune Algorithm-Based Bankruptcy Prediction System. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood,

Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 932–937. IEEE Press, 2002.

[Chen 02]

S. Y. Chen & Y. F. Li. Optimum Viewpoint Planning for Model-Based Robot Vision. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 634–639. IEEE Press, 2002.

[Chiba 02]

Shinji Chiba & Ken Sugawara. Estimation of Protein Function with an Evolutionary Dictionary. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 315–320. IEEE Press, 2002.

[Cho 02]

Dong-Yeon Cho & Byoung-Tak Zhang. Evolutionary Optimization by Distribution Estimation with Mixtures of Factor Analyzers. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1396–1401. IEEE Press, 2002.

[Chrzanowska-Jeske 02] M. Chrzanowska-Jeske, G. Greenwood & B. Wang. Combining Evolution Strategies with Lagrangian Relaxation for Constructing Nonslicing VLSI Floorplans With Soft Modules. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1261–1266. IEEE Press, 2002.

[Chu 02]

Chao-Hsien Chu, JunHua Gu, Xiang Dan Hou & Qijun Gu. A Heuristic Ant Algorithm for Solving QoS Multicast Routing Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1630–1635. IEEE Press, 2002.

[Ciesielski 02]

Vic Ciesielski & Dylan Mawhinney. Prevention of Early Convergence in Genetic Programming by Replacement of Similar Programs. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 67–72. IEEE Press, 2002.

[Ciftcioglu 02]

GA with Orthogonal Transformation for RBFN Ozer Ciftcioglu. Configuration. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1934–1939. IEEE Press, 2002.

[Cincotti 02]

A. Cincotti, V. Cutello & M. Pavone. Graph Partitioning with Genetic Algorithms using ODPX. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 402–406. IEEE Press, 2002.

[Clergue 02]

Manuel Clergue & Philippe Collard. GA-Hard Functions Built by Combination of Trap Functions. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 249–254. IEEE Press, 2002.

[Cliff 02]

Dave Cliff. Evolution of Market Mechanism through a Continuous Space of Auction-Types. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2029–2034. IEEE Press, 2002.

[Coello 02a]

Carlos A. Coello Coello & Nareli Cruz Cortes. A Parallel Implementation of the Artificial Immune System to Handle Constraints in Genetic Algorithms: Preliminary Results. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 819–824. IEEE Press, 2002.

[Coello 02b]

Carlos A. Coello Coello & Maximino Salazar Lechuga. *MOPSO: A Proposal for Multiple Objective Particle Swarm Optimization*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1051–1056. IEEE Press, 2002.

[Coletti 02]

Mark Coletti. A Preliminary Study of Learnable Evolution Methodology implemented with C4. 5. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 588–593. IEEE Press, 2002.

[Collet 02]

Pierre Collet, Jean Louchet & Evelyne Lutton. Issues on the Optimisation of Evolutionary Algorithms Code. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1103–1108. IEEE Press, 2002.

[Corno 02]

F. Corno, G. Cumani, M. Sonza Reorda & G. Squillero. *Efficent Machine-Code Test-Program Induction*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1486–1491. IEEE Press, 2002.

[Costa 02a]

A. M. Costa, P. A. Vargas, F. J. Von Zuben & P. M. Franca. *Makespan Minimization on Parallel Processors: An Immune-Based Approach*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 920–925. IEEE Press, 2002.

[Costa 02b]

Lino Costa & Pedro Oliveira. An Evolution Strategy for Multiobjective Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 97–102. IEEE Press, 2002.

[Cowling 02]

Peter Cowling, Graham Kendall & Limin Han. An Investigation of a Hyperheuristic Genetic Algorithm Applied to a Trainer Scheduling Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1185–1190. IEEE Press, 2002.

[Craenen 02]

B. G. W. Craenen & A. E. Eiben. *An Experimental Comparison of SAWing EAs for a new Class of Random Binary CSPs*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark

Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 878–883. IEEE Press, 2002.

[Crutchley 02]

Duncan Crutchley & Mark Zwolinski. Using Evolutionary and Hybrid Algorithms for DC Operating Point Analysis of Nonlinear Circuits. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 753–758. IEEE Press, 2002.

[Cupertino 02]

Francesco Cupertino, David Naso, Luigi Salvatore & Biagio Turchiano. Design of Cascaded Controllers for DC Drives using Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1255–1260. IEEE Press, 2002.

[Cutello 02]

V. Cutello, E. Mastriani & F. Pappalardo. An evolutionary algorithm for the T-constrained variation of Minimum Hitting Set Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 366–371. IEEE Press, 2002.

[Cyre 02]

Walling Cyre. Learning Grammars with a Modified Classifier System. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1366–1371. IEEE Press, 2002.

[Daida 02]

Jason M. Daida. Limits to Expression in Genetic Programming: Lattice-Aggregate Modeling. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 273–278. IEEE Press, 2002.

[Darwen 02]

Paul J. Darwen. Search Landscape of a Realistic Single-Machine Scheduling Task: Peaks with Big Differences. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1191–1196. IEEE Press, 2002.

[Das 02]

Sanjoy Das. Gene Spill: An Evolutionary Algorithm Based on Bacterial Gene Exchange. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1338–1342. IEEE Press, 2002.

[Dasgupta 02a]

Dipankar Dasgupta & Nivedita Sumi Majumdar. Anomaly Detection in Multidimensional Data using Negative Selection Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1039–1044. IEEE Press, 2002.

[Dasgupta 02b]

Dipankar Dasgupta & Alexei Stoliartchouk. Evolving PC System Hardware Configurations. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 517–522. IEEE Press, 2002.

[Davis 02]

J. E. Davis & G. Kendall. An Investigation, using Co-Evolution, to Evolve an Awari Player. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1408–1413. IEEE Press, 2002.

[Day 02]

Richard O. Day, Jesse B. Zydallis, Gary Lamont & Ruth Pachter. Analysis of Fine Granularity and Building Block Sizes in the Parallel Fast Messy GA. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 127–132. IEEE Press, 2002.

[de Castro 02]

Leandro N. de Castro & Jon Timmis. An Artificial Immune Network for Multimodal Function Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 699–704. IEEE Press, 2002.

[De Falco 02]

Ivanoe De Falco, Antonio Della Cioppa & Ernesto Tarantino. Unsupervised Spectral Pattern Recognition for Multispectral Images by means of a Genetic Programming approach. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 231–236. IEEE Press, 2002.

[de Garis 02]

Hugo de Garis. Evolvability Limits: A Case Study Concerning the Modular Evolvable Capacities (MECs) of a New Neural Net Model for a Second Generation Brain Building Machine BM2. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 454–459. IEEE Press, 2002.

[Deb 02a]

Kalyanmoy Deb, Dhiraj Joshi & Ashish Anand. Real-Coded Evolutionary Algorithms with Parent-Centric Recombination. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 61–66. IEEE Press, 2002.

[Deb 02b]

Kalyanmoy Deb, Lothar Thiele, Marco Laumanns & Eckart Zitzler. Scalable Multi-Objective Optimization Test Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 825–830. IEEE Press, 2002.

[Delgado 02]

Myriam Regattieri Delgado, Fernando Von Zuben & Fernando Gomide. Coevolutionary Design of Takagi-Sugeno Fuzzy Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1384–1389. IEEE Press, 2002.

[Ding 02]

Yongsheng Ding & Lihong Ren. A New DNA-Based Evolutionary Algorithm with Application to the Design of Fuzzy Controllers. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1982–1987. IEEE Press, 2002.

[Dozier 02]

Gerry Dozier. A Comparison of Adaptive Virtual Constraint Identification Strategies for Recurrent Dynamic Constraint Satisfaction. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 552–557. IEEE Press, 2002.

[Droste 02]

Stefan Droste. Analysis of the (1+1) EA for a Dynamically Changing OneMax-Variant. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 55–60. IEEE Press, 2002.

[Dukkipati 02]

Ambedkar Dukkipati & M. Narasimha Murty. Selection by Parts: 'Selection in Two Episodes' in Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 657–662. IEEE Press, 2002.

[Eberbach 02]

Eugene Eberbach. On Expressiveness of Evolutionary Computation: Is EC Algorithmic? In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 564–569. IEEE Press, 2002.

[Edwards 02]

D. C. Edwards, K. E. Brown & N. K. Taylor. An Evolutionary Method for the Design of Generic Neural Networks. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1769–1774. IEEE Press, 2002.

[Eiben 02]

A. E. Eiben & M. Jelasity. A Critical Note on Experimental Research Methodology in EC. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 582–587. IEEE Press, 2002.

[Eklund 02]

Sven E. Eklund. *A Massively Parallel GP Engine in VLSI*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 629–633. IEEE Press, 2002.

[Endou 02]

Taichirou Endou & Qiangfu Zhao. Generation of Comprehensible Decision Trees Through Evolution of Training Data. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1221–1225. IEEE Press, 2002.

[Etzel 02]

Joset A. Etzel. "Marigolds: "An Evolutionary Algorithm Simulation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 327–332. IEEE Press, 2002.

[Everson 02]

Mark P. Everson, Christophe G. E. Mangin, Cody Stumpo, JoAnn M. Schwartz & David A. Ostrowski. *Evaluating Strategies for Foreign Exchange Risk Reduction*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 735–740. IEEE Press, 2002.

[Falcao 02]

D. M. Falcao. Genetic Algorithms Applications in Electrical Distribution Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs,

Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1063–1068. IEEE Press, 2002.

[Farhang-Mehr 02]

Ali Farhang-Mehr & Shapour Azarm. Diversity Assessment of Pareto-Optimal Solution Sets: An Entropy Approach. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 723–728. IEEE Press, 2002.

[Farina 02]

Marco Farina. A Neural Network Based Generalized Response Surface Multiobjective Evolutionary Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 956–961. IEEE Press, 2002.

[Fischer 02]

Manfred M. Fischer. A Novel Modular Product Unit Neural Network for Modelling Constrained Spatial Interaction Flows. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1215–1220. IEEE Press, 2002.

[Fogel 02]

David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs. Proceedings of the 2002 congress on evolutionary computation cec2002. IEEE Press, 2002.

[Fu 02a]

Xiuju Fu & Lipo Wang. A GA-Based Novel RBF Classifier with Class-Dependent Features. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1890–1894. IEEE Press, 2002.

[Fu 02b]

Xiuju Fu & Lipo Wang. Rule Extraction from an RBF Classifier Based on Class-Dependent Features. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1916–1921. IEEE Press, 2002.

[Galeano 02]

G. Galeano, F. Fernandez, M. Tomassini & L. Vanneschi. Studying the influence of Synchronous and Asynchronous parallel GP on Programs' Length Evolution. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1727–1732. IEEE Press, 2002.

[Galvao 02]

R. K. H. Galvao, V. M. Becerra & M. Abou-Seada. Variable Selection for Financial Distress Classification Using a Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2000–2005. IEEE Press, 2002.

[Gan 02]

Justin Gan & Kevin Warwick. Modelling Niches of Arbitrary Shape in Genetic Algorithms using Niche Linkage in the Dynamic Niche Clustering Framework. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 43–48. IEEE Press, 2002.

[Geard 02a]

Nicholas Geard & Janet Wiles. Diversity Maintenance on Neutral Landscapes - An Argument for Recombination. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark

Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 211–213. IEEE Press, 2002.

[Geard 02b]

Nicholas Geard, Janet Wiles, Jennifer Hallinan, Bradley Tonkes & Ben Skellett. *A Comparison of Neutral Landscapes - NK, NKp and NKq.* In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 205–210. IEEE Press, 2002.

[Ghezelayagh 02]

Hamid Ghezelayagh & Kwang Y. Lee. Intelligent Predictive Control of A Power Plant with Evolutionary Programming Optimizer and Neuro-Fuzzy Identifier. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1308–1313. IEEE Press, 2002.

[Golovkin 02]

Igor E. Golovkin, Sushil J. Louis & Roberto C. Mancini. Parallel Implementation of Niched Pareto Genetic Algorithm Code for X-ray Plasma Spectroscopy. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1820–1824. IEEE Press, 2002.

[Gonzalez 02]

Fabio Gonzalez, Dipankar Dasgupta & Robert Kozma. Combining Negative Selection and Classification Techniques for Anomaly Detection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 705–710. IEEE Press, 2002.

[Goodhall 02]

Steve Goodhall, R. G. Reynolds & Robert Whallon. *Altruism, Selfishness, and Survival: An Agent-Based Model Of Sharing Behavior*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 867–871. IEEE Press, 2002.

[Goto 02]

Ryuji Goto & Yuji Sato. Applicability of Genetic Algorithms to Motion Analysis of a Moving Object. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 765–770. IEEE Press, 2002.

[Greer 02]

Brian Greer, Henri Hakonen, Risto Lahdelma & Risto Miikkulainen. Numerical Optimization with Neuroevolution. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 396–401. IEEE Press, 2002.

[Guinea 02]

Miguel A. Guinea, Germa'n Gutierrez, Ine's Galvan, Araceli Sanchis & Jose M. Molina. Generative Capacities of Grammars Codification for Evolution of NN Architectures. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 611–616. IEEE Press, 2002.

[Hafner 02]

Verena Hafner & Ralf Salomon. Evolving Neural Controllers for Visual Navigation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 669–674. IEEE Press, 2002.

[Hamada 02]

Takahiro Hamada, Hidenori Kawamura, Masahito Yamamoto & Azuma Ohuchi. A Study on Behavioral Structure of Artificial Market Based on Adaptive Game. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2011–2016. IEEE Press, 2002.

[Hamida 02]

Sana Ben Hamida & Marc Schoenauer. ASCHEA: New Results Using Adaptive Segregational Constraint Handling. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 884–889. IEEE Press, 2002.

[Hamilton-Wright 02]

Andrew Hamilton-Wright & Deborah Stacey. Fault-Tolerant Network Computation of Individuals in Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1721–1726. IEEE Press, 2002.

[Harris 02]

Dave Harris & Seth Bullock. Enhancing game theory with coevolutionary simulation models of honest signaling. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1594–1599. IEEE Press, 2002.

[Harvey 02]

P R W Harvey, D M Booth & J F Boyce. Evolving The Mapping between input Neurons and Multi-Source Imagery. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1878–1883. IEEE Press, 2002.

[Hatanaka 02]

Toshiharu Hatanaka, Katsuji Uosaki & Masazumi Koga. Evolutionary Computation Approach to Wiener Model Identification. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 914–919. IEEE Press, 2002.

[Hercog 02]

Luis Miramontes Hercog & Terence C. Fogarty. Co-evolutionary Classifier Systems for Multi-Agent Simulation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1798–1803. IEEE Press, 2002.

[Hernandez 02]

Julio Cesar Hernandez, Pedro Isasi & Arturo Ribagorda. Easing collision finding in cryptographic primitives with genetic algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 535–539. IEEE Press, 2002.

[Hingston 02]

P. Hingston, L. Barone & L. While. *Evolving Crushers*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1109–1114. IEEE Press, 2002.

[Ho 02a]

Chin Kuan Ho, Yashwant Prasad Singh & Sze Wei Lee. Enhancement Of A Genetic Algorithm For Optical Orthogonal Code Design Using Simulated Annealing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 449–453. IEEE Press, 2002.

[Ho 02b]

Shinn-Ying Ho, Shinn-Jang Ho & Zhen-Bang Huang. An Evolutionary Approach for Pose Determination and Interpretation of Occluded Articulated Objects. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1092–1097. IEEE Press, 2002.

[Ho 02c]

Shinn-Ying Ho, Chia-Cheng Liu, Soundy Liu & Jun-Wen Jou. Design of an Optimal Nearest Neighbor Classifier Using an Intelligent Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 594–599. IEEE Press, 2002.

[Ho. 02d]

Shinn-Ying Ho. Shinn-Jang Ho. & Tai-Kang Chen. Design of High Performance Fuzzy Controllers Using Flexible Parameterized Membership Functions and Intelligent Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1378–1383. IEEE Press, 2002.

[Hoai 02]

N. X. Hoai, R. I. McKay, D. Essam & R. Chau. Solving the Symbolic Regression Problem with Tree-Adjunct Grammar Guided Genetic Programming: The Comparative Results. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1326–1331. IEEE Press, 2002.

[Hoar 02]

Ricardo Hoar, Joanne Penner & Christian Jacob. Evolutionary Swarm Traffic: If Ant Roads Had Traffic Lights. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1910–1915. IEEE Press, 2002.

[Homma 02]

Naofumi Homma, Takafumi Aoki & Tatsuo Higuchi. Graph-Based Individual Representation for Evolutionary Synthesis of Arithmetic Circuits. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1492–1497. IEEE Press, 2002.

[Hsieh 02]

Fu-Shiung Hsieh. Design of Evolvable Manufacturing Processes. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 339–344. IEEE Press, 2002.

[Hsu 02]

Chen-Chien Hsu, Wei-Yen Wang & Chih-Yung Yu. Genetic Algorithms-Derived Digital Integrators and Their Applications in Discretization of Continuous Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 443–448. IEEE Press, 2002.

[Hu 02a]

Jianjun Hu & Erik D. Goodman. The Hierarchical Fair Competition (HFC) Model for Parallel Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 49–54. IEEE Press, 2002.

[Hu 02b]

X. Hu & R. Eberhart. Adaptive Particle Swarm Optimization: Detection and Response to Dynamic Systems. In David B. Fogel, Mohamed A. El-Sharkawi,

Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1666–1670. IEEE Press, 2002.

[Hu 02c]

X. Hu & Russell Eberhart. Multiobjective Optimization Using Dynamic Neighborhood Particle Swarm Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1677–1681. IEEE Press, 2002.

[Hughes 02]

Evan J. Hughes. *Multi-Objective Evolutionary Guidance for Swarms*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1127–1132. IEEE Press, 2002.

[Hutter 02]

Marcus Hutter. Fitness Uniform Selection to Preserve Genetic Diversity. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 783–788. IEEE Press, 2002.

[Isaacs 02]

Jason Isaacs, Robert Watkins & Simon Foo. Evolving Ant Colony Systems in Hardware for Random Number Generation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1450–1455. IEEE Press, 2002.

[Ishibushi 02]

Hisao Ishibushi, Tadashi Yoshida & Tadahiko Murata. Selection of Initial Solutions for Local Search in Multiobjective Genetic Local Search. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 950–955. IEEE Press, 2002.

[Ishida 02]

Celso Yoshikazu Ishida & Aurora Trinidad Ramirez Pozo. *GPSQL Miner: SQL-Grammar Genetic Programming in Data Mining*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1226–1231. IEEE Press, 2002.

[Iwamatsu 02]

Masao Iwamatsu. Co-Evolutionary Global Optimization Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1180–1184. IEEE Press, 2002.

[Iwashita 02]

Makoto Iwashita & Hitoshi Iba. Island Model GP with Immigrants Aging and Depth-Dependent Crossover. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 267–272. IEEE Press, 2002.

[Janssen 02]

Marco A. Janssen & Daniel W. Stow. An Application of Immunocomputing to the Evolution of Rules for Ecosystem Management. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 687–692. IEEE Press, 2002.

[Jelasity 02]

M. Jelasity, M. Preuss & B. Paechter. A Scalable and Robust Framework for Distributed Applications. In David B. Fogel, Mohamed A. El-Sharkawi,

Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1540–1545. IEEE Press, 2002.

[Jeong 02]

Hyeon-Kuk Jeong & Se-Young Oh. Evolutionary Programming Integrating 3-Generation Based Mutation and Local Competition Based Selection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 220–224. IEEE Press, 2002.

[Jimenez 02]

Fernando Jimenez, Antonio F. Gomez-Skarmeta, Gracia Sanchez & Kalyanmoy Deb. An Evolutionary Algorithm for Constrained Multi-objective Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1133–1138. IEEE Press, 2002.

[Joines 02]

Jeffrey A. Joines & Mike G. Kay. *Hybrid Genetic Algorithms and Random Linkage*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1733–1738. IEEE Press, 2002.

[Jonker 02]

C. M. Jonker, A. P. G. de Kock, J. Meijer & B. J. Vermeulen. *Deliberate Evolution Agents: Comparing Reproduction Strategies*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 333–338. IEEE Press, 2002.

[Julstrom 02]

Bryant A. Julstrom. A Scalable Genetic Algorithm for the Rectilinear Steiner Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1169–1173. IEEE Press, 2002.

[Kacprzyk 02]

Janusz Kacprzyk & Grazyna Szkatula. An Integer Programming Approach to Inductive Learning Using Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 181–186. IEEE Press, 2002.

[Kadrovach 02]

B. Anthony Kadrovach, Jesse B. Zydallis & Gary B. Lamont. *Use of Mendelian Pressure in a Multi-Objective Genetic Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 962–967. IEEE Press, 2002.

[Kaiser 02]

Markus J. Kaiser, Kwok Ching Tsui & Jiming Liu. *Adaptive Distributed Caching*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1810–1815. IEEE Press, 2002.

[Karr 02]

Charles L. Karr, Thomas A. Zeiler & Rajiv Mehrotra. Determining Critical Gust Loads on Aircraft Structures Using an Evolutionary Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 759–764. IEEE Press, 2002.

[Kassabalidis 02]

I. N. Kassabalidis, M. A. El-Sharkawi & R. J. Marks II. Border Identification for Power System Security Assessment Using Neural Network Inversion: An Overview. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1075–1079. IEEE Press, 2002.

[Katsumata 02]

Yuji Katsumata, Setsuya Kurahashi & Takao Terano. We Need Multiple Solutions for Electric Equipments Configuration in a Power Plant - Applying Bayesian Optimization Algorithm with Tabu Search. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1402–1407. IEEE Press, 2002.

[Kennedy 02]

J. Kennedy & R. Mendes. *Population Structure and Particle Swarm Performance*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1671–1676. IEEE Press, 2002.

[Khan 02]

Junaid A. Khan, Sadiq M. Sait & Mahmood R. Minhas. Fuzzy Biasless Simulated Evolution for Multiobjective VLSI Placement. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1642–1647. IEEE Press, 2002.

[Khoo 02]

Koh Giok Khoo & Ponnuthurai Nagaratnam Suganthan. Objective Function Decomposition within Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 356–359. IEEE Press, 2002.

[Kim 02a]

Dong Hwa Kim. Tuning of 2-DOF PID Controller By Immune Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 675–680. IEEE Press, 2002.

[Kim 02b]

Dong Hwa Kim, Won pyo Hong & Jin ILL Park. Auto-Tuning Of Reference Based PID Controller Using Immune Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 483–488. IEEE Press, 2002.

[Kim 02c]

Jong-Wook Kim, Sang Woo Kim, PooGyeon Park & Tae Joon Park. On the Similarities between Binary-Coded GA and Real-Coded GA in Wide Search Space. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 681–686. IEEE Press, 2002.

[Kim 02d]

Jungwon Kim & Peter J. Bentley. Toward an Artificial Immune System for Network Intrusion Detection: An Investigation of Dynamic Clonal Selection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1015–1020. IEEE Press, 2002.

 $[{\rm Kim}~02e]$ 

Kyung Joong Kim & Sung-Bae Cho. Evolving Speciated Checkers Players with Crowding Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao,

Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 407–412. IEEE Press, 2002.

[Kim 02f]

Nam Geun Kim, Jin M. Won, Jin S. Lee & S. W. Kim. Local Convergence Rate of Evolutionary Algorithm with Combined Mutation Operator. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 261–266. IEEE Press, 2002.

[Kim 02g]

Pang Ki Kim, Prahlad Vadakkepat, Tong-Heng Lee & Xiao Peng. Evolution of Control Systems for Mobile Robots. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 617–622. IEEE Press, 2002.

[Kim 02h]

Seong-Joo Kim, Jong-Soo Kim, Jae-Yong Seo, Hyun-Chan Cho & Hong-Tae Jeon. Optimal Initial Structure of the RBF Networks Using Time-Frequency Localization and Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1964–1969. IEEE Press, 2002.

[Kimiaghalam 02]

Bahram Kimiaghalam, Abdollah Homaifar, Marwan Bikdash & Bijan Sayyarrodsari. *Genetic Algorithm Based Gain Scheduling*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 540–545. IEEE Press, 2002.

[Knowles 02]

Joshua Knowles & David Corne. On Metrics for Comparing Non-Dominated Sets. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 711–716. IEEE Press, 2002.

[Kojima 02]

Kazunori Kojima, Hiroshi Matsuo & Masaaki Ishigame. Reduction of Communication Quantity for Network Based Parallel GA. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1715–1720. IEEE Press, 2002.

[Koo 02]

Ji Hun Koo, Tae Seon Kim, Sung Soo Dong & Chong Ho Lee. Development of FPGA Based Adaptive Image Enhancement Filter System Using Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1480–1485. IEEE Press, 2002.

[Kordon 02]

Arthur Kordon, Guido Smits, Elsa Jordaan & Ed Rightor. Robust Soft Sensors Based On Integration of Genetic Programming, Analytical Neural Networks, and Support Vector Machines. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 896–901. IEEE Press, 2002.

[Kovacs 02]

Tim Kovacs. Performance and Population State Metrics for Rule-based Learning Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1781–1786. IEEE Press, 2002.

[Krink 02]

Thiemo Krink, Jakob S. Vesterstrøm & Jacques Riget. *Particle Swarm Optimisation with Spatial Particle Extension*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1474–1479. IEEE Press, 2002.

[Krohling 02]

R. A. Krohling, H. Knidel & Y. Shi. Solving Numerical Equations of Hydraulic Problems Using Particle Swarm Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1688–1690. IEEE Press, 2002.

[Kumar 02]

Rajeev Kumar, Prajna P. Parida & Mohit Gupta. Topological Design of Communication Networks using Multiobjective Genetic Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 425–430. IEEE Press, 2002.

[Lampinen 02]

Jouni Lampinen. A Constraint Handling Approach for the Differential Evolution Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1468–1473. IEEE Press, 2002.

[Land, Jr. 02]

Walker H. Land, Jr., Margaret Bryden, Daniel W. McKee, Joseph Y. Lo & Frances R. Anderson. Performance Tradeoff Between Evolutionary Computation (EC)/Adaptive Boosting (AB) Hybrid and Support Vector Machine Breast Cancer Classification Paradigms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 187–192. IEEE Press, 2002.

[Landavazo 02]

Dana Landavazo & Gary B. Fogel. Evolved Neural Networks for Quantitative Structure-Activity Relationships of Anti-HIV Compounds. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 199–204. IEEE Press, 2002.

[Laskari 02a]

E. C. Laskari, K. E. Parsopoulos & M. N. Vrahatis. *Particle Swarm Optimization for Integer Programming*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1582–1587. IEEE Press, 2002.

[Laskari 02b]

E. C. Laskari, K. E. Parsopoulos & M. N. Vrahatis. *Particle Swarm Optimization for Minimax Problems*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1576–1581. IEEE Press, 2002.

[Lee 02a]

Cin-Young Lee & Erik K. Antonsson. Reinforcement Learning in Steady-State Cellular Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1793–1797. IEEE Press, 2002.

[Lee 02b]

Jong-Ha Lee & Sung-Bae Cho. Analysis of Direct Manipulation in Interactive Evolutionary Computation on Fitness Landscape. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul

Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 460–465. IEEE Press, 2002.

[Lee 02c]

K. Y. Lee & P. S. Mohamed. A Real-Coded Genetic Algorithm Involving a Hybrid Crossover Method for Power Plant Control System Design. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1069–1074. IEEE Press, 2002.

[Lee 02d]

Kang-Hee Lee, Chi-Ho Lee, Jong-Hwan Kim, Han-Lim Choi & Min-Jea Tahk. Evolutionary Optimized Pitching Motion Control for F-16 Aircraft. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1940–1945. IEEE Press, 2002.

[Lee 02e]

Seung-Ik Lee & Sung-Bae Cho. *Measuring Evolvability in Evolutionary Robotics*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 163–168. IEEE Press, 2002.

[Leung 02]

Kwong Sak Leung, Kin Hong Lee & Sin Man Cheang. Evolving Parallel Machine Programs for a Multi-ALU Processor. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1703–1708. IEEE Press, 2002.

[Li 02a]

Jingpeng Li & Raymond Kwan. A Fuzzy Evolutionary Approach with Taguchi Parameter Setting for the Set Covering Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1203–1208. IEEE Press, 2002.

[Li 02b]

Xiaodong Li & Michael Kirley. The Effects of Varying Population Density in a Fine-grained Parallel Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1709–1714. IEEE Press, 2002.

[Li 02c]

Yuanxiang Li & Lishan Kang. Analysis of Optimal Trajectory on Evolutionary Algorithm and Some Control Strategies. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 558–563. IEEE Press, 2002.

[Liang 02a]

Suihong Liang, A. Nur Zincir-Heywood & Malcolm I. Heywood. *The Effect of Routing under Local Information using a Social Insect Metaphor*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1438–1443. IEEE Press, 2002.

[Liang 02b]

Yong Liang & Kwong-Sak Leung. Two-way Mutation Evolution Strategies. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 789–794. IEEE Press, 2002.

[Liang 02c]

Yun-Chia Liang, Sadan Kulturel-Konak & Alice E. Smith. *Meta Heuristics for the Orienteering Problem*. In David B. Fogel, Mohamed A. El-Sharkawi,

Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 384–389. IEEE Press, 2002.

[Lin 02]

Yung-Chien Lin, Kao-Shing Hwang & Feng-Sheng Wang. Hybrid Differential Evolution with Multiplier Updating Method for Nonlinear Constrained Optimization Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 872–877. IEEE Press, 2002.

[Lindblad 02]

Fredrik Lindblad, Peter Nordin & Krister Wolff. Evolving 3D model interpretation of images using graphics hardware. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 225–230. IEEE Press, 2002.

[Ling 02]

S. H. Ling, H. K. Lam, F. H. F. Leung & P. K. S. Tam. Learning of Neural Network Parameters using a Fuzzy Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1928–1933. IEEE Press, 2002.

[Liu 02a]

Juan Liu & Hitoshi Iba. Selecting Informative Genes Using a Multiobjective Evolutionary Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 297–302. IEEE Press, 2002.

[Liu 02b]

Yong Liu & Xin Yao. How to Control Search Step Size in Fast Evolutionary Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 652–656. IEEE Press, 2002.

[Lohn 02]

Jason Lohn, William F. Kraus & Gary L. Haith. Comparing a Coevolutionary Genetic Algorithm for Multiobjective Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1157–1162. IEEE Press, 2002.

[Lones 02]

Michael Lones & Andy Tyrrell. Crossover and Bloat in the Functionality Model of Enzyme Genetic Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 986–991. IEEE Press, 2002.

[Løvbjerg 02]

Morten Løvbjerg & Thiemo Krink. Extending Particle Swarm Optimisers with Self-Organized Criticality. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1588–1593. IEEE Press, 2002.

[Lu 02a]

Haiming Lu & Gary Yen. Rank-Density Based Multiobjective Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 944–949. IEEE Press, 2002.

[Lu 02b]

Haiming Lu & Gary G. Yen. *Dynamic Population Size in Multiobjective Evolutionary Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1648–1653. IEEE Press, 2002.

[Lucas 02]

Simon Lucas. Evolving spring-mass models: a test-bed for graph encoding schemes. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1952–1957. IEEE Press, 2002.

[Mabu 02]

Shingo Mabu, Kotaro Hirasawa, Jinglu Hu & Junichi Murata. Online learning of Genetic Network Programming (GNP). In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 321–326. IEEE Press, 2002.

[Madavan 02]

Nateri Madavan. Multiobjective Optimization Using a Pareto Differential Evolution Approach. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1145–1150. IEEE Press, 2002.

[Madureira 02]

Ana Madureira, Carlos Ramos & Si'lvio do Carmo Silva. A Coordination Mechanism for Real World Scheduling Problems Using Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 175–180. IEEE Press, 2002.

[Mahnig 02]

Thilo Mahnig & Heinz Muehlenbein. A Comparison of Stochastic Local Search and Population Based Search. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 255–260. IEEE Press, 2002.

[Majumdar 02]

Nivedita Sumi Majumdar & Dipankar Dasgupta. *Determining Optimal Configuration for Turbine Generator Cooler*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1009–1014. IEEE Press, 2002.

[Matsumaru 02]

Naoki Matsumaru, Silvano Colombano & Klaus-Peter Zauner. Scouting Enzyme Behavior. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 19–24. IEEE Press, 2002.

[Matsumura 02]

Yoshiyuki Matsumura, Kazuhiro Ohkura & Kanji Ueda. Advantages of Global Discrete Recombination in (mu, mu, lambda) Evolution Strategies. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1848–1853. IEEE Press, 2002.

[Mazza, III 02]

Raymond H. Mazza, III & Clare Bates Congdon. Towards a Genetic Algorithms Approach to Designing 3D Polygonal Tree Models. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1842–1847. IEEE Press, 2002.

[Meade 02]

Andrew Meade, David Corne & Richard Sibly. Discovering Patterns in Microsatellite Flanks with Evolutionary Computation by Evolving Discriminatory DNA Motifs. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1–6. IEEE Press, 2002.

[Michelan 02]

Roberto Michelan & Fernando J. Von Zuben. Decentralized Control System for Autonomous Navigation Based on an Evolved Artificial Immune Network. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1021–1026. IEEE Press, 2002.

[Milone 02]

Diego H. Milone, Juan J. Merelo & H. L. Rufiner. Evolutionary Algorithm for Speech Segmentation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1115–1120. IEEE Press, 2002.

[Minami 02]

Mamoru Minami, Atsushi Tamamura & Toshiyuki Asakura. *Machine Intelligence of a Mobile Manipulator to Utilize Dynamically Interfered Motion and Nonlinear Friction*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1232–1237. IEEE Press, 2002.

[Minerva 02]

T. Minerva & S. Paterlini. Evolutionary Approaches for Statistical Modelling. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2023–2028. IEEE Press, 2002.

[Miranda 02]

V. Miranda & N. Fonseca. *EPSO - Best-of-Two Worlds Meta-Heuristic Applied to Power System Problems*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1080–1085. IEEE Press, 2002.

[Monakhov 02]

O. Monakhov & E. Monakhova. *Using Evolutionary Algorithm for Generation of Dense Families of Circulant Networks*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1854–1859. IEEE Press, 2002.

[Mordaunt 02]

P Mordaunt & AMS Zalzala. Towards an Evolutionary Neural Network For Gait Analysis. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1922–1927. IEEE Press, 2002.

[MORI 02]

Kunihiko MORI, Syougo Nishi, Takayasu Fuchida & Sadayuki Murashima. Two Dimensional Resolution Improvement of Frame Images by Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 640–645. IEEE Press, 2002.

[Moroni 02]

Artemis Moroni, F. Von Zuben, J. Manzolli & A. Mammana. Capturing Human Judgment to Simulate Objective Function. In David B. Fogel,

Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 529–534. IEEE Press, 2002.

[Mostaghim 02]

Sanaz Mostaghim, Juergen Teich & Ambrish Tyagi. Comparison of Data Structures for Storing Pareto-sets in MOEAs. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 843–848. IEEE Press, 2002.

[Mueller 02]

Sibylle D. Mueller, Nicol N. Schraudolph & Petros D. Koumoutsakos. Step Size Adaptation in Evolution Strategies using Reinforcement Learning. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 151–156. IEEE Press, 2002.

[Munetomo 02]

Masaharu Munetomo. Linkage Identification Based on Epistasis Measures to Realize Efficient Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1332–1337. IEEE Press, 2002.

[Murakami 02]

Y. Murakami, H. Sato & A. Namatame. Realizing Unstable Social Efficiency with Mutual Learning of Meta-Rules. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1522–1527. IEEE Press, 2002.

[Murao 02]

Hajime Murao, Hisashi Tamaki & Shinzo Kitamura. A Coevolutionary Approach To Adapt The Genotype-Pheonotype Map In Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1612–1617. IEEE Press, 2002.

[Murata 02]

Tadahiko Murata, Hiroyuki Nozawa, Yasuhiro Tsujimura, Mitsuo Gen & Hisao Ishibuchi. Effect of Local Search on the Performance of Cellular Multi-Objective Genetic Algorithms for Designing Fuzzy Rule-based Classification Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 663–668. IEEE Press, 2002.

[Nakatsugawa 02]

Masashi Nakatsugawa, Masahito Yamamoto, Toshikazu Shiba & Azuma Ohuchi. Design of a PCR Protocol for Improving Reliability of PCR in DNA Computing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 91–96. IEEE Press, 2002.

[Nguyen 02]

H. D. Nguyen, I. Yoshihara, K. Yamamori & M. Yasunaga. A Parallel Hybrid Genetic Algorithm for Multiple Protein Sequence Alignment. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 309–314. IEEE Press, 2002.

[Nikolaev 02]

Nikolay Nikolaev, Lilian M. de Menezes & Hitoshi Iba. Overfitting Avoidance in Genetic Programming of Polynomials. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1209–1214. IEEE Press, 2002.

[Nino 02]

Fernando Nino & Oscar Beltran. A change detection software agent based on immune mixed selection. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 693–698. IEEE Press, 2002.

[Oeda 02]

Shinichi Oeda, Takumi Ichimura & Toshiyuki Yamashita. Biological immune system by evolutionary adaptive learning of neural networks. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1976–1981. IEEE Press, 2002.

[Oh 02]

Sang-Keon Oh, Choon-Young Lee & Ju-Jang Lee. A New Distributed Evolutionary Algorithm for Optimization in Nonstationary Environments. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 378–383. IEEE Press, 2002.

[Ono 02]

Isao Ono, Hiroshi Fujiki, Masaki Ootsuka, Naoto Nakashima, Norihiko Ono & Shinichi Tate. *Global Optimization of Protein 3-Dimensional Structures in NMR by a Genetic Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 303–308. IEEE Press, 2002.

[Ord 02]

Toby Ord & Alan Blair. Exploitation and peacekeeping: introducing more sophisticated interactions to the iterated prisoner's dilemma. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1606–1611. IEEE Press, 2002.

[Ostrowski 02]

D. Ostrowski, T. Tassier, M. P. Everson & R. G. Reynolds. *Using Cultural Algorithms to Evolve Strategies in Agent-Based Models*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 741–746. IEEE Press, 2002.

[Popela 02]

P. Popela, J. Roupec, P. Osmera & R. Matousek. *The Formal Stochastic Framework for Comparison of Genetic Algorithms*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 576–581. IEEE Press, 2002.

[Portillo 02]

A. Berlanga J. Garcia-Herrero J. M. Molina J. Besada J. Portillo. *OCR Parameters Tuning by Means of Evolution Strategies for Aircraft's Tail Number Recognition*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 902–907. IEEE Press, 2002.

[Pullan 02]

W. Pullan. Optimising Multiple Aspects of Network Survivability. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 115–120. IEEE Press, 2002.

[Qiao 02]

Yan Qiao & Xie WeiXin. A Network IDS with Low False Positive Rate. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1121–1126. IEEE Press, 2002.

[Rasheed 02]

Khaled Rasheed, Xiao Ni & Swaroop Vattam. Comparison of Methods for Developing Dynamic Reduced Models for Design Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 390–395. IEEE Press, 2002.

[Ray 02]

Tapabrata Ray. Constrained Robust Optimal Design using a Multiobjective Evolutionary Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 419–424. IEEE Press, 2002.

[Revello 02]

Timothy E. Revello & Robert McCartney. Generating War Game Strategies Using A Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1086–1091. IEEE Press, 2002.

[Reynolds 02]

R. G. Reynolds & Alina Lazar. Simulating the Evolution of the Archaic States. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 861–866. IEEE Press, 2002.

[Rojas 02]

F. Rojas, C. G. Puntonet, I. Rojas, J. Ortega & A. Prieto. *Genetic Algorithm Approach to Nonlinear Blind Source Separation*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1098–1102. IEEE Press, 2002.

[Rowland 02]

Jem J. Rowland & Janet Taylor. Adaptive Denoising in Spectral Analysis by Genetic Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 133–138. IEEE Press, 2002.

[Runarsson 02]

Thomas Philip Runarsson & Xin Yao. Continuous Selection and Self-Adaptive Evolution Strategies. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 279–284. IEEE Press, 2002.

[Rychtyckyj 02]

N. Rychtyckyj & R. G. Reynolds. Knowledge Base Maintenance Using Cultural Algorithms: Application to the DLMS Manufacturing Process System at Ford Motor Company. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 855–860. IEEE Press, 2002.

[Sadati 02]

N. Sadati & S. Kuchakhani. Genetic Approach to Pole Placement by Static Output Feedback. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1174–1179. IEEE Press, 2002.

[Sait 02]

Sadiq M. Sait, Mahmood R. Minhas & Junaid A. Khan. Performance and Low Power Driven VLSI Standard Cell Placement using Tabu Search. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 372–377. IEEE Press, 2002.

[Salomon 02]

Ralf Salomon. The Force Model: Reducing the Complexity by Reformulating the Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1498–1503. IEEE Press, 2002.

[Sano 02]

Yasuhito Sano & Hajime Kita. Optimization of Noisy Fitness Functions by means of Genetic Algorithms using History of Search with Test of Estimation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 360–365. IEEE Press, 2002.

[Santana 02]

Roberto Santana & Heinz Muehlenbein. Blocked Stochastic Sampling versus Estimation of Distribution Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1390–1395. IEEE Press, 2002.

[Sarafis 02]

I. Sarafis, A. M. S. Zalzala & P. Trinder. A Genetic Rule-Based Data Clustering Toolkit. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1238–1243. IEEE Press, 2002.

[Satoh 02]

Taiji Satoh, Heijiro Kuwabara, Masakazu, Kanezashi & Koichi Nara. Artificial Life System and its Application to Multiple-Fuel Economic Load Dispatch Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1432–1437. IEEE Press, 2002.

[Schleis 02]

G. Schleis & M. Rizki. Learning from a Random Player using the Reference Neuron Model. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 747–752. IEEE Press, 2002.

[Schoofs 02]

Luk Schoofs & Bart Naudts. Swarm Intelligence on the Binary Constraint Satisfaction problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1444–1449. IEEE Press, 2002.

[Schrever 02]

Michael Schreyer & Günther R. Raidl. Letting Ants Labeling Point Features. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1564–1569. IEEE Press, 2002.

[Seth 02]

Anil K. Seth. Distinguishing Adaptive From Non-Adaptive Evolution Using Ashby's Law of Resuisite Variety. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1163–1168. IEEE Press, 2002.

[Shi 02]

Y. Shi & R. A. Krohling. Co-evolutionary Particle Swarm Optimization to Solve min-max Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1682–1687. IEEE Press, 2002.

[Shin 02]

Soo-Yong Shin, Dong-Min Kim, In-Hee Lee & Byoung-Tak Zhang. Evolutionary Sequence Generation for Reliable DNA Computing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 79–84. IEEE Press, 2002.

[Shinkai 02]

Masaya Shinkai, Hernan Aguirre & Kiyoshi Tanaka. *Mutation Strategy Improves GA's Performance on Epistatic Problems*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 968–973. IEEE Press, 2002.

[Shipman 02]

Rob Shipman, Mark Shackleton & Marc Ebner. Issues in Designing a Neutral Genotype-Phenotype Mapping. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1360–1365. IEEE Press, 2002.

[Singh 02]

S. P. N. Singh, S. M. Thayer & W. P. Thayer. A Foundation for Kilorobotic Exploration. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1033–1038. IEEE Press, 2002.

[Smith 02]

Tom Smith, Andy Philippides, Phil Husbands & Michael O'Shea. *Neutrality and ruggedness in robot landscapes*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1348–1353. IEEE Press, 2002.

[Socha 02]

Krzysztof Socha & Marek Kisiel-Dorohinicki. Agent-based Evolutionary Multiobjective Optimisation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 109–114. IEEE Press, 2002.

[Sofge 02]

Donald Sofge, Kenneth De Jong & Alan Schultz. A Blended Population Approach to Cooperative Coevolution for Decomposition of Complex Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 413–418. IEEE Press, 2002.

[Song 02]

Andy Song, Vic Ciesielski & Hugh Williams. Texture Classifiers Generated by Genetic Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 243–248. IEEE Press, 2002.

[Srinivasan 02]

Dipti Srinivasan, Tian Hou Seow & Jian Xin Xu. Automated Time Table Generation Using Multiple Context Reasoning for University Modules. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1751–1756. IEEE Press, 2002.

[Stanley 02]

Kenneth O. Stanley & Risto Miikkulainen. Efficient Evolution of Neural Network Topologies. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1757–1762. IEEE Press, 2002.

[Stejic 02]

Zoran Stejic, Eduardo M. Iyoda, Yasufumi Takama & Kaoru Hirota. *Image Similarity Computation Using Local Similarity Patterns Generated by Genetic Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 771–776. IEEE Press, 2002.

[Stoica 02]

Adrian Stoica, Ricardo Zebulum, Didier Keymeulen, M. I. Ferguson & Vu Duong. Fuzzy controller implementations with fewer than ten transistors? In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1830–1835. IEEE Press, 2002.

[Subbu 02]

Raj Subbu & Arthur C. Sanderson. Network Performance of Distributed Coevolutionary Agents. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1414–1419. IEEE Press, 2002.

[sung Hwang 02]

Keum sung Hwang & Sung bae Cho. Evolving Diverse Hardwares Using Speciated Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 437–442. IEEE Press, 2002.

[Sutcliffe 02]

Alistair Sutcliffe, Wei-Chun Chang & Richard Neville. *Optimizing System Requirements with Evolutionary Computation*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 495–499. IEEE Press, 2002.

[Svangard 02]

Nils Svangard, Stefan Lloyd, Peter Nordin & Clas Wihlborg. Evolving Short-Term Trading Strategies Using Genetic Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2006–2010. IEEE Press, 2002.

[Takenaka 02]

Yoichi Takenaka & Akihiro Hashimoto. *DNA computing by competitive hybridization for maximum satisfiability problem*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 472–476. IEEE Press, 2002.

[Tan 02a]

K. C. Tan, C. M. Chew, K. K. Tan, L. F. Wang & Y. J. Chen. *Autonomous robot navigation via intrinsic evolution*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1272–1277. IEEE Press, 2002.

[Tan 02b]

K. C. Tan, T. H. Lee, J. Cai & Y. H. Chew. Automating the drug scheduling of cancer chemotherapy via evolutionary computation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 908–913. IEEE Press, 2002.

[Tan 02c]

K. C. Tan, K. Sengupta, T. H. Lee & R. Sathikannan. Autonomous Registration of Disparate Spatial Data Via an Evolutionary Algorithm Toolbox. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the

2002 Congress on Evolutionary Computation CEC2002, pages 31–36. IEEE Press, 2002.

[Tan 02d]

K. C. Tan, A. Tay, T. H. Lee & C. M. Heng. *Mining multiple comprehensible classification rules using genetic programming*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1302–1307. IEEE Press, 2002.

[Tanaka 02]

Fumiaki Tanaka, Masashi Nakatsugawa, Masahito Yamamoto, Toshikazu Shiba & Azuma Ohuchi. Towards a General-Purpose Sequence Design System in DNA Computing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 73–78. IEEE Press, 2002.

[Tarakanov 02]

Alexander Tarakanov & Victor Skormin. Pattern Recognition by Immunocomputing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 938–943. IEEE Press, 2002.

[Tassier 02]

T. Tassier, M. P. Everson & D. Ostrowski. Agent-Based Models as a Complement to Economic Theory: A Durable Goods Example. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 729–734. IEEE Press, 2002.

[Taylor 02]

Dan Taylor, David Corne, David Taylor & Jack Harkness. Predicting Alarms in Supermarket Refrigeration Systems Using Evolved Neural Networks and Evolved Rulesets. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1988–1993. IEEE Press, 2002.

[Thierens 02]

Dirk Thierens. Adaptive mutation rate control schemes in genetic algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 980–985. IEEE Press, 2002.

[Thomsen 02]

René Thomsen, Gary B. Fogel & Thiemo Krink. A Clustal Alignment Improver Using Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 121–126. IEEE Press, 2002.

[Thomson 02]

Robert Thomson & Tughrul Arslan. An Evolutionary Algorithm for the Multiobjective Optimisation of VLSI Primitive Operator Filters. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 37–42. IEEE Press, 2002.

[Torres-Velazquez 02]

Rodolfo Torres-Velazquez & Vladimir Estivill-Castro. A Memetic Algorithm Instantiated with Selection Sort Consistently Finds Global Optima for the Error-Correcting Graph Isomorphism. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1958–1963. IEEE Press, 2002.

[Toussaint 02]

Marc Toussaint & Christian Igel. Neutrality: A necessity for self-adaptation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1354–1359. IEEE Press, 2002.

[Tsai 02a]

Cheng-Fa Tsai, Chun-Wei Tsai & Chi-Ping Chen. A Novel Multiple-Searching Genetic Algorithm for Multimedia Multicast Routing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 506–511. IEEE Press, 2002.

[Tsai 02b]

Cheng-Fa Tsai, Chun-Wei Tsai & Ching-Chang Tseng. A New Approach for Solving Large Traveling Salesman Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1636–1641. IEEE Press, 2002.

[Tsai 02c]

Huai-Kuang Tsai, Jinn-Moon Yang & Cheng-Yan Kao. Solving Traveling Salesman Problems by Combining Global and Local Search Mechanisms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1290–1295. IEEE Press, 2002.

[Tsui 02a]

Kwok Ching Tsui & Jiming Liu. Evolutionary Diffusion Optimization, Part I: Description of the Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 169–174. IEEE Press, 2002.

[Tsui 02b]

Kwok Ching Tsui & Jiming Liu. Evolutionary Diffusion Optimization, Part II: Performance Assessment. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1284–1289. IEEE Press, 2002.

[Tsujimura 02]

Yasuhiro Tsujimura, Mitsuo Gen & Admi Syarif. Solving A Nonlinear Side Constrained Transportation Problem by Using Spanning Tree-based Genetic Algorithm with Fuzzy Logic Controller. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 546–551. IEEE Press, 2002.

[Tsutsui 02]

Shigeyoshi Tsutsui & David E. Goldberg. Simplex Crossover and Linkage Identification: Single-Stage Evolution VS. Multi-Stage Evolution. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 974–979. IEEE Press, 2002.

[Tuci 02]

Elio Tuci, Matt Quinn & Inman Harvey. Evolving fixed-weight networks for learning robots. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1970–1975. IEEE Press, 2002.

[Ursem 02]

Rasmus K. Ursem & Thiemo Krink. Genetic Programming with Smooth Operators for Arithmetic Expressions: Diviplication and Subdition. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the

2002 Congress on Evolutionary Computation CEC2002, pages 1372–1377. IEEE Press, 2002.

[v. E. Conradie 02]

A. v. E. Conradie, R. Mikkulainen & C. Aldrich. *Intelligent Process Control utilising Symbiotic Memetic Neuro-Evolution*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 623–628. IEEE Press, 2002.

[Valenzuela 02]

Christine Valenzuela. A Simple Evolutionary Algorithm for Multi-Objective Optimization (SEAMO). In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 717–722. IEEE Press, 2002.

[van Bragt 02]

D. D. B. van Bragt & J. A. La Poutre. *Co-evolving Automata Negotiate with a Variety of Opponents*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1426–1431. IEEE Press, 2002.

[Verma 02]

B. Verma & R. Ghosh. *A Novel Evolutionary Neural Learning Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1884–1889. IEEE Press, 2002.

[Vesterstrøm 02]

Jakob S. Vesterstrøm, Jacques Riget & Thiemo Krink. *Division of Labor in Particle Swarm Optimisation*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1570–1575. IEEE Press, 2002.

[Vincent 02]

Jonathan Vincent. A Comparison of Reproductive Success and the Effect of Mating Restrictions in Coarse-Grained Parallel Genetic Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1697–1702. IEEE Press, 2002.

[Volkert 02]

L. Gwenn Volkert. Levels of Adaptation: Insights into Survival in Dynamic Environments. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 139–144. IEEE Press, 2002.

[Wai 02]

Yin Yee Wai, Chi Kin Chow & Tong Lee. Resolving Ambiguity in Depth Extraction for Motion Capture using Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1804–1809. IEEE Press, 2002.

[Wang 02a]

Chunmiao Wang, Y. C. Soh, Han Wang & Hui Wang. A Hierarchical Genetic Algorithm for Path Planning in a Static Environment with Obstacles. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 500–505. IEEE Press, 2002.

[Wang 02b]

Yan Wang & Yilong Lu. The Fast Neural Network Solution for Problems Based on Slow Genetic Algorithm Solutions. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1763–1768. IEEE Press, 2002.

[Watanabe 02]

Isamu Watanabe, Kenji Okada, Ken ichi Tokoro & Shouichi Matsui. Adaptive Multiagent Model of Electric Power Market with Congestion Management. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 523–528. IEEE Press, 2002.

[Watkins 02a]

Andrew Watkins & Lois Boggess. A New Classifier Based on Resource Limited Artificial Immune Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1546–1551. IEEE Press, 2002.

[Watkins 02b]

Andrew B. Watkins & Lois C. Boggess. A Resource Limited Artificial Immune Classifier. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 926–931. IEEE Press, 2002.

[Watson 02]

James Watson & Janet Wiles. The rise and fall of learning: A neural network model of the genetic assimilation of acquired traits. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 600–605. IEEE Press, 2002.

[Watts 02a]

M. Watts & N. Kasabov. Evolutionary Optimisation of Evolving Connectionist Systems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 606–610. IEEE Press, 2002.

[Watts 02b]

Michael Watts, Louise Major & Warren Tate. Evolutionary Optimisation of MLP for Modeling Protein Synthesis Termination Signal Efficiency. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 193–198. IEEE Press, 2002.

[Wei 02]

Chengjian Wei, Zhenya He, Yifeng Zhang & Wenjiang Pei. Swarm Directions Embedded in Fast Evolutionary Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1278–1283. IEEE Press, 2002.

[Weingaertner 02]

Daniel Weingaertner, Victor K. Tatai, Ricardo R. Gudwin & Fernando J. Von Zuben. *Hierarchical Evolution of Heterogeneous Neural Networks*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1775–1780. IEEE Press, 2002.

[Wen 02]

Chen Wen & Russell C. Eberhart. Genetic Algorithm for Logistics Scheduling Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 512–516. IEEE Press, 2002.

[Wenjian 02]

Luo Wenjian, Cao Xianbin & Wang Xufa. An Immune Genetic Algorithm Based on Immune Regulation. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 801–806. IEEE Press, 2002.

[Wiegand 02]

R. Paul Wiegand, William Liles & Kenneth De Jong. Analyzing Cooperative Coevolution with Evolutionary Game Theory. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1600–1605. IEEE Press, 2002.

[Wiles 02]

Janet Wiles & Bradley Tonkes. Visualisation of Hierarchical Cost Surfaces for Evolutionary Computing. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 157–162. IEEE Press, 2002.

[Willadsen 02]

Kai Willadsen & Janet Wiles. All binary representations are equal: but some are more equal than others. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 570–575. IEEE Press, 2002.

[Wittner 02]

O. Wittner & B. E. Helvik. Cross Entropy Guided Ant-like Agents Finding Dependable Primary/Backup Path Patterns in Networks. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1528–1533. IEEE Press, 2002.

[Wong 02]

Man Leung Wong, Shing Yan Lee & Kwong Sak Leung. A Hybrid Approach to Learn Bayesian Networks Using Evolutionary Programming. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1314–1319. IEEE Press, 2002.

[Wright 02]

Alden H. Wright, Jonathan E. Rowe & James R. Neil. Analysis of the Simple Genetic Algorithm on the Single-peak and Double-peak Landscapes. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 214–219. IEEE Press, 2002.

[Wu 02]

Xiaodan Wu, Chao-Hsien Chu, Yunfeng Wang & Weli Yan. A Genetic Algorithm for Integrated Cell Formation and Layout Decision. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1866–1871. IEEE Press, 2002.

[Xie 02]

Xiaofeng Xie, Wenjun Zhang & Zhilian Yang. A Dissipative Particle Swarm Optimization. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1456–1461. IEEE Press, 2002.

[Xin 02]

Liu Xin, Prahlad Vadakkepat, Tong Heng Lee, Xiao Peng & Pang Ki Kim. Comparison of Robot Navigation by Evolutionary Neural Networks and Painbased Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1994–1999. IEEE Press, 2002.

[Xu 02a]

J. Xu, T. Arslan & D. W. Qing-Wang. *GPS Attitude Determination Using a Genetic Algorithm*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 998–1002. IEEE Press, 2002.

[Xu 02b]

Jian-Xin Xu, Sanjib Kumar Panda & Qing Zheng. Multiobjective Optimization of Current Waveforms for Switched Reluctance Motors by Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1860–1865. IEEE Press, 2002.

[Xu 02c]

Xin Xu, Han gen He & Dewen Hu. Evolutionary Adaptive-Critic Methods for Reinforcement Learning. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1320–1325. IEEE Press, 2002.

[Yamamoto 02a]

Kosuke Yamamoto, Tomohiro Yoshikawa, Takeshi Furuhashi, Tsuyoshi Shinogi & Shinji Tsuruoka. Evaluation of Search Performance of Bacterial Evolutionary Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1343–1347. IEEE Press, 2002.

[Yamamoto 02b]

Masahito Yamamoto, Atsushi Kameda, Nobuo Matsuura, Toshikazu Shiba & Azuma Ohuchi. Simulation Analysis of Hybridization Process for DNA Computing with Concentration Control. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 85–90. IEEE Press, 2002.

[Yamasaki 02]

Kazuko Yamasaki, Kazuhisa Kitakaze & Masuteru Sekiguchi. *Dynamic Optimization by Evolutionary Algorithms Applied to Financial Time Series*. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 2017–2022. IEEE Press, 2002.

[Yang 02]

Jih Tsung Yang, Hsien-Da Huang & Jorng-Tzong Horng. Devising A Cost Effective Baseball Scheduling by Evolutionary Algorithms. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1660–1665. IEEE Press, 2002.

[Yasunaga 02]

Moritoshi Yasunaga, Kentaro Ushiyama, Hidetoshi Fujiwara, Ikuo Yoshihara, Jung H. Kim & Noriyuki Aibe. An Evolutionary Kernel-Based Reasoning System Using Reconfigurable VLSIs: Its Hardware Prototyping and Application to the Splicing Boundary Problem. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 285–290. IEEE Press, 2002.

[Yen 02a]

Gary G. Yen & Haiming Lu. Hierarchical Rank Density Genetic Algorithm for Radial-Basis Function Neural Network Design. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 25–30. IEEE Press, 2002.

[Yen 02b]

Gary G. Yen & Nethrie Nithianandan. Facial Feature Extraction Using Genetic Algorithm. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1895–1900. IEEE Press, 2002.

[Yuan 02]

Bo Yuan. Deterministic Crowding, Recombination And Self-Similarity. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1516–1521. IEEE Press, 2002.

[Yuizono 02]

Takaya Yuizono, Yu Wang, Kiminori Satoh & Shigeru Nakayama. Study on Individual Recognition for Ear Images by using Genetic Local Search. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 237–242. IEEE Press, 2002.

[Zhang 02a]

Ruijian Zhang, Willis K. King & Qingdong Wang. Applying Evolutionary Programming to Improve Branch Classification In the Hybrid Branch Prediction Method Using Switch-Counter. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1739–1744. IEEE Press, 2002.

[Zhang 02b]

Yong Zhang, Lawrence O. Hall, Dmitry B. Goldgof & Sudeep Sarkar. A Constrained Genetic Approach for Reconstructing Young's Modulus of Elastic Objects from Boundary Displacement Measurements. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 1003–1008. IEEE Press, 2002.

[Zhu 02]

Zhong-Yao Zhu & Kwong-Sak Leung. Asynchronous Self-Adjustable Island Genetic Algorithm for Multi-Objective Optimization Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 837–842. IEEE Press, 2002.

[Zou 02]

Xiufen Zou, Lishan Kang & Yuanxiang Li. A Dynamical Evolutionary Algorithm For Constrained Optimization Problems. In David B. Fogel, Mohamed A. El-Sharkawi, Xin Yao, Garry Greenwood, Hitoshi Iba, Paul Marrow & Mark Shackleton, editeurs, Proceedings of the 2002 Congress on Evolutionary Computation CEC2002, pages 890–895. IEEE Press, 2002.