Список литературы

[Abbattista et al.(1999)Abbattista, Carofiglio, and Koppen] Fabio Abbattista, Valeria Carofiglio, and Mario Koppen. 1999. Scout algorithms and genetic algorithms: A comparative study. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 769, Orlando, Florida, USA. Morgan Kaufmann.

[Adamopoulos et al.(1999)Adamopoulos, Georgopoulos, Likothanassis, and Anninos] Adam V. Adamopoulos, Efstratios F. Georgopoulos, Spiridon D. Likothanassis, and Photios A. Anninos. 1999. Forecasting the magnetoencephalogram (meg) of epileptic patients using genetically optimized neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1457–1462, Orlando, Florida, USA. Morgan Kaufmann.

[Agapie(1999)] Alexandru Agapie. 1999. Random systems with complete connections. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 770, Orlando, Florida, USA. Morgan Kaufmann.

[Aguilar et al.(1999)Aguilar, Riquelme, and Toro] Jesus Aguilar, Jose Riquelme, and Miguel Toro. 1999. Three geometric approaches for representing decision rules in a supervised learning system. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 771, Orlando, Florida, USA. Morgan Kaufmann.

[Aguilar and Miranda(1999)] Jose Aguilar and Pablo Miranda. 1999. Approaches based on genetic algorithms for multiobjective optimization problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 3–10, Orlando, Florida, USA. Morgan Kaufmann.

[Aguirre et al.(1999)Aguirre, Tanaka, and Sugimura] Hernan E. Aguirre, Kiyoshi Tanaka, and Tatsuo Sugimura. 1999. Cooperative crossover and mutation operators in genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 772, Orlando, Florida, USA. Morgan Kaufmann.

[Ahluwalia and Bull(1999a)] Manu Ahluwalia and Larry Bull. 1999a. Coevolving functions in genetic programming: Classification using k-nearest-neighbour. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 947–952, Orlando, Florida, USA. Morgan Kaufmann.

[Ahluwalia and Bull(1999b)] Manu Ahluwalia and Larry Bull. 1999b. A genetic programming-based classifier system. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 11–18, Orlando, Florida, USA. Morgan Kaufmann.

[Alba et al.(1999)Alba, Cotta, and Troya] Enrique Alba, Carlos Cotta, and Jose M. Troya. 1999. Entropic and real-time analysis of the search with panmictic, structured, and parallel distributed genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 773, Orlando, Florida, USA. Morgan Kaufmann.

[Aparicio et al.(1999)Aparicio, Correia, and Moura-Pires] Joaquim N. Aparicio, Luis Correia, and Fernando Moura-Pires. 1999. Populations are multisets-plato. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1845–1850, Orlando, Florida, USA. Morgan Kaufmann.

[Bael et al.(1999)Bael, Devogelaere, and Rijckaert] Patrick Van Bael, Dirk Devogelaere, and M. Rijckaert. 1999. The job shop problem solved with simple, basic evolutionary search elements. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 665–669, Orlando, Florida, USA. Morgan Kaufmann.

[Bagnall and Smith(1999)] A. J. Bagnall and G. D. Smith. 1999. Using an adaptive agent to bid in a simplified model of the uk market in electricity. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 774, Orlando, Florida, USA. Morgan Kaufmann.

[Barry(1999a)] Alwyn Barry. 1999a. Aliasing in xcs and the consecutive state problem: 1 - effects. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 19–26, Orlando, Florida, USA. Morgan Kaufmann.

[Barry(1999b)] Alwyn Barry. 1999b. Aliasing in xcs and the consecutive state problem: 2 - solutions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 27–34, Orlando, Florida, USA. Morgan Kaufmann.

[Battle et al.(1999)Battle, Homaifar, Tunstel, and Dozier] Daryl Battle, Abdollah Homaifar, Edward Tunstel, and Gerry Dozier. 1999. Genetic programming of full knowledge bases for fuzzy logic controllers. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1463–1468, Orlando, Florida, USA. Morgan Kaufmann.

[Beck and Parmee(1999)] M. A. Beck and I. C. Parmee. 1999. Extending the bounds of the search space: A multi-population approach. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1469–1476, Orlando, Florida, USA. Morgan Kaufmann.

[Beligiannis et al.(1999)Beligiannis, Demiris, and Likothanassis] G. N. Beligiannis, E. N. Demiris, and S. D. Likothanassis. 1999. Evolutionary multimodel partitioning filters for nonlinear systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1227, Orlando, Florida, USA. Morgan Kaufmann.

[Bentley and Kumar(1999)] Peter Bentley and Sanjeev Kumar. 1999. Three ways to grow designs: A comparison of embryogenies for an evolutionary design problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 35–43, Orlando, Florida, USA. Morgan Kaufmann.

[Berger et al.(1999)Berger, Sassi, and Salois] Jean Berger, Mourad Sassi, and Martin Salois. 1999. A hybrid genetic algorithm for the vehicle routing problem with time windows and itinerary constraints. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 44–51, Orlando, Florida, USA. Morgan Kaufmann.

[Best(1999)] Michael L. Best. 1999. Coevolving mutualists guide simulated evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 941, Orlando, Florida, USA. Morgan Kaufmann.

[Beyer and Arnold(1999)] Hans-Georg Beyer and Dirk V. Arnold. 1999. Fitness noise and localization errors of the optimum in general quadratic fitness models. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 817–824, Orlando, Florida, USA. Morgan Kaufmann.

[Boettcher and Percus(1999)] Stefan Boettcher and Allon G. Percus. 1999. Extremal optimization: Methods derived from co-evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 825–832, Orlando, Florida, USA. Morgan Kaufmann.

[Bojarczuk et al.(1999)Bojarczuk, Lopes, and Freitas] Celia C. Bojarczuk, Heitor S. Lopes, and Alex A. Freitas. 1999. Discovering comprehensible classification rules by using genetic programming: a case study in a medical domain. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 953–958, Orlando, Florida, USA. Morgan Kaufmann.

[Bonarini(1999)] Andrea Bonarini. 1999. Comparing reinforcement learning algorithms applied to crisp and fuzzy learning classifier systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 52–59, Orlando, Florida, USA. Morgan Kaufmann.

[Bonham and Parmee(1999)] Christopher R. Bonham and Ian C. Parmee. 1999. An investigation of exploration and exploitation within cluster oriented genetic algorithms (cogas). In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1491–1497, Orlando, Florida, USA. Morgan Kaufmann.

[Bosman and Thierens(1999)] Peter A. N. Bosman and Dirk Thierens. 1999. Linkage information processing in distribution estimation algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 60–67, Orlando, Florida, USA. Morgan Kaufmann.

[Brameier et al.(1999)Brameier, Hoffmann, Nordin, Banzhaf, and Francone] Markus Brameier, Frank Hoffmann, Peter Nordin, Wolfgang Banzhaf, and Frank Francone. 1999. Parallel machine code genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1228, Orlando, Florida, USA. Morgan Kaufmann.

[Branke et al.(1999)Branke, Cutaia, and Dold] Jurgen Branke, Massimo Cutaia, and Heinrich Dold. 1999. Reducing genetic drift in steady state evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 68–74, Orlando, Florida, USA. Morgan Kaufmann.

[Brizuela and Sannomiya(1999)] Carlos A. Brizuela and Nobuo Sannomiya. 1999. A diversity study in genetic algorithms for job shop scheduling problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 75–82, Orlando, Florida, USA. Morgan Kaufmann.

[Bull(1999)] Larry Bull. 1999. On using zcs in a simulated continuous double-auction market. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 83–90, Orlando, Florida, USA. Morgan Kaufmann.

[Calderoni(1999)] Stephane Calderoni. 1999. Behavior-based control system in multiagent domain. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1439, Orlando, Florida, USA. Morgan Kaufmann.

[Cangelosi(1999)] Angelo Cangelosi. 1999. Heterochrony and adaptation in developing neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1241–1248, Orlando, Florida, USA. Morgan Kaufmann.

[Cantu-Paz(1999a)] Erick Cantu-Paz. 1999a. Migration policies and takeover times in genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 775, Orlando, Florida, USA. Morgan Kaufmann.

[Cantu-Paz(1999b)] Erick Cantu-Paz. 1999b. Topologies, migration rates, and multi-population parallel genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 91–98, Orlando, Florida, USA. Morgan Kaufmann.

[Cao et al.(1999a)Cao, Kang, and Chen] Hongqing Cao, Lishan Kang, and Yuping Chen. 1999a. Evolutionary modeling of ordinary differential equations for dynamic systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 959–965, Orlando, Florida, USA. Morgan Kaufmann.

[Cao and (Francis)(1999)] Lijuan Cao and Tay Eng Hock (Francis). 1999. Neuro-genetic based method to the classification of acupuncture needle: A case study. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 99–105, Orlando, Florida, USA. Morgan Kaufmann.

[Cao et al.(1999b)Cao, (Francis), Lawrence, and Yeong] Lijuan Cao, Tay Eng Hock (Francis), Ma Lawrence, and Wai Cheong Yeong. 1999b. Classification of the market states using neural network. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 776, Orlando, Florida, USA. Morgan Kaufmann.

[Castillo et al.(1999)Castillo, Rivas, Merelo, Gonzalez, Prieto, and Romero] P. A. Castillo, V. Rivas, J. J. Merelo, J. Gonzalez, A. Prieto, and G. Romero. 1999. G-prop-iii: Global optimization of multilayer perceptrons using an evolutionary algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 942, Orlando, Florida, USA. Morgan Kaufmann.

[Cattral et al.(1999)Cattral, Oppacher, and Deugo] Robert Cattral, Franz Oppacher, and Dwight Deugo. 1999. Rule acquisition with a genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 778, Orlando, Florida, USA. Morgan Kaufmann.

[Chan et al.(1999)Chan, Ngan, and Rad] Zeke S. H. Chan, H. W. Ngan, and A. B. Rad. 1999. Minimum-allele-reserve-keeper (mark): A fast and effective mutation scheme for genetic algorithm (ga). In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 106–113, Orlando, Florida, USA. Morgan Kaufmann.

[Chen and Kuo(1999)] Shu-Heng Chen and Tzu-Wen Kuo. 1999. Towards an agent-based foundation of financial econometrics: An approach based on genetic-programming artificial markets. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 966, Orlando, Florida, USA. Morgan Kaufmann.

[Chen et al.(1999a)Chen, Lin, and Tsao] Shu-Heng Chen, Wei-Yuan Lin, and Chueh-Iong Tsao. 1999a. Genetic algorithms, trading strategies and stochastic processes: Some new evidence from monte carlo simulations. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 114–121, Orlando, Florida, USA. Morgan Kaufmann.

[Chen et al.(1999b)Chen, Guerra-Salcedo, and Smith] Stephen Chen, Cesar Guerra-Salcedo, and Stephen F. Smith. 1999b. Non-standard crossover for a standard representation – commonality-based feature subset selection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 129–134, Orlando, Florida, USA. Morgan Kaufmann.

[Chen and Smith(1999a)] Stephen Chen and Stephen F. Smith. 1999a. Improving genetic algorithms by search space reductions (with applications to flow shop scheduling). In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 135–140, Orlando, Florida, USA. Morgan Kaufmann.

[Chen and Smith(1999b)] Stephen Chen and Stephen F. Smith. 1999b. Introducing a new advantage of crossover: Commonality-based selection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 122–128, Orlando, Florida, USA. Morgan Kaufmann.

[Chikara and Masayasu(1999)] Maezawa Chikara and Atsumi Masayasu. 1999. Collaborative learning agents with structural classifier systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 777, Orlando, Florida, USA. Morgan Kaufmann.

[Chong and Langdon(1999)] Fuey Sian Chong and W. B. Langdon. 1999. Java based distributed genetic programming on the internet. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1229, Orlando, Florida, USA. Morgan Kaufmann.

[Chu et al.(1999)Chu, Premkumar, Chou, and Sun] Chao-Hsien Chu, G. Premkumar, Carey Chou, and Jianzhong Sun. 1999. Dynamic degree constrained network design: A genetic algorithm approach. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 141–148, Orlando, Florida, USA. Morgan Kaufmann.

[Coletti et al.(1999)Coletti, Lash, Michalski, Mandsager, and Moustafa] Mark Coletti, Thomas D. Lash, Ryszard Michalski, Craig Mandsager, and Rida Moustafa. 1999. Comparing performance of the learnable evolution model and genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 779, Orlando, Florida, USA. Morgan Kaufmann.

[Collet et al.(1999)Collet, Lutton, Raynal, and Schoenauer] Pierre Collet, Evelyne Lutton, Frederic Raynal, and Marc Schoenauer. 1999. Individual gp: an alternative viewpoint for the resolution of complex problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 974–981, Orlando, Florida, USA. Morgan Kaufmann.

[Collins and Ryan(1999)] J. J. Collins and Conor Ryan. 1999. Non-stationary function optimization using polygenic inheritance. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 781, Orlando, Florida, USA. Morgan Kaufmann.

[Collins et al.(1999)Collins, Sheehan, and Casey] J. J. Collins, Lucia Sheehan, and Conor Casey. 1999. Genetic planner for a mobile robot navigation system. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 782, Orlando, Florida, USA. Morgan Kaufmann.

[Collins(1999)] Trevor D. Collins. 1999. A comparison of search space visualization techniques. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 780, Orlando, Florida, USA. Morgan Kaufmann.

[Corney and Parmee(1999)] David Corney and Ian Parmee. 1999. N-dimensional surface mapping using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1230, Orlando, Florida, USA. Morgan Kaufmann.

[Costa and Oliveira(1999)] Lino Costa and Pedro Oliveira. 1999. Gas in global optimization of mixed integer non-linear problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1773, Orlando, Florida, USA. Morgan Kaufmann.

[Cotta et al.(1999)Cotta, Alba, and Troya] Carlos Cotta, Enrique Alba, and Jose M. Troya. 1999. Improving the scalability of dynastically optimal forma recombination by tuning the granularity of the representation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 783, Orlando, Florida, USA. Morgan Kaufmann.

[Crawford et al.(1999)Crawford, McCormack, and MacAllister] Kelly D. Crawford, Michael D. McCormack, and Donald J. MacAllister. 1999. Modified gradient techniques for normalized solution vectors. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1498–1503, Orlando, Florida, USA. Morgan Kaufmann.

[Cvetkovic and Parmee(1999)] Dragan Cvetkovic and Ian C. Parmee. 1999. Use of preferences for ga-based multi-objective optimisation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1504–1509, Orlando, Florida, USA. Morgan Kaufmann.

[Daida et al.(1999a)Daida, Ampy, Ratanasavetavadhana, Li, and Chaudhri] Jason M. Daida, Derrick S. Ampy, Michael Ratanasavetavadhana, Hsiaolei Li, and Omar A. Chaudhri. 1999a. Challenges with verification, repeatability, and meaningful comparison in genetic programming: Gibson's magic. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1851–1858, Orlando, Florida, USA. Morgan Kaufmann.

[Daida et al.(1999b)Daida, Polito, Stanhope, Bertram, Khoo, and Chaudhary] Jason M. Daida, John A. Polito, Steven A. Stanhope, Robert R. Bertram, Jonathan C. Khoo, and Shahbaz A. Chaudhary. 1999b. What makes a problem gp-hard? analysis of a tunably difficult problem in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 982–989, Orlando, Florida, USA. Morgan Kaufmann.

[Dasgupta et al.(1999)Dasgupta, Cao, and Yang] Dipankar Dasgupta, Yuehua Cao, and Congjun Yang. 1999. An immunogenetic approach to spectra recognition. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 149–155, Orlando, Florida, USA. Morgan Kaufmann.

[Davenport et al.(1999)Davenport, Ryan, and Rayward-Smith] G. F. Davenport, M. D. Ryan, and V. J. Rayward-Smith. 1999. Rule induction using a reverse polish representation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 990–995, Orlando, Florida, USA. Morgan Kaufmann.

[Deaton(1999)] Russell Deaton. 1999. Reaction temperature constraints in dna computing. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1803–1804, Orlando, Florida, USA. Morgan Kaufmann.

[Deb(1999)] Kalyanmoy Deb. 1999. Construction of test problems for multi-objective optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 164–171, Orlando, Florida, USA. Morgan Kaufmann.

[Deb and Beyer(1999)] Kalyanmoy Deb and Hans-Georg Beyer. 1999. Self-adaptation in real-parameter genetic algorithms with simulated binary crossover. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 172–179, Orlando, Florida, USA. Morgan Kaufmann.

[Delgado et al.(1999)Delgado, Zuben, and Gomide] Myriam Delgado, Fernando Von Zuben, and Fernando Gomide. 1999. Modular and hierarchial evolutionary design of fuzzy systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 180–187, Orlando, Florida, USA. Morgan Kaufmann.

[Desjarlais et al.(1999)Desjarlais, Akbarzadeh-T., and Wright] Lisa M. Desjarlais, Mohammad-R. Akbarzadeh-T., and Craig W. Wright. 1999. Control system optimization using genetic algorithms within the softlab toolkit. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1774, Orlando, Florida, USA. Morgan Kaufmann.

[Dessi et al.(1999)Dessi, Giani, and Starita] Antonello Dessi, Antonella Giani, and Antonia Starita. 1999. An analysis of automatic subroutine discovery in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 996–1001, Orlando, Florida, USA. Morgan Kaufmann.

[Digby and Seffens(1999)] David Digby and William Seffens. 1999. Evolutionary algorithm analysis of the biological genetic codes. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1440, Orlando, Florida, USA. Morgan Kaufmann.

[van Dijk et al.(1999)van Dijk, Thierens, and de Berg] S. van Dijk, D. Thierens, and M. de Berg. 1999. On the design of genetic algorithms for geographical applications. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 188–195, Orlando, Florida, USA. Morgan Kaufmann.

[Dimopoulos and Zalzala(1999)] Christos Dimopoulos and Ali MS Zalzala. 1999. Evolving scheduling policies through a genetic programming framework. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1231, Orlando, Florida, USA. Morgan Kaufmann.

[Dittrich et al.(1999)Dittrich, Skusa, Kantschik, and Banzhaf] Peter Dittrich, Andre Skusa, Wolfgang Kantschik, and Wolfgang Banzhaf. 1999. Dynamical properties of the fitness landscape of a gp controlled random morphology robot. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1002–1008, Orlando, Florida, USA. Morgan Kaufmann.

[Droste et al.(1999)Droste, Jansen, and Wegener] Stefan Droste, Thomas Jansen, and Ingo Wegener. 1999. Perhaps not a free lunch but at least a free appetizer. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 833–839, Orlando, Florida, USA. Morgan Kaufmann.

[Dupas et al.(1999)Dupas, Cavory, and Goncalves] R. Dupas, G. Cavory, and G. Goncalves. 1999. Real-world applications. optimising the throughput of a manufacturing production line using a genetic algortihm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1775, Orlando, Florida, USA. Morgan Kaufmann.

[East(1999)] E. William East. 1999. Infrastructure work order planning using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1510–1516, Orlando, Florida, USA. Morgan Kaufmann.

[Ebner and Zell(1999)] Marc Ebner and Andreas Zell. 1999. Evolving a behavior-based control architecture- from simulations to the real world. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1009–1014, Orlando, Florida, USA. Morgan Kaufmann.

[Edelson and Gargano(1999)] William Edelson and Michael L. Gargano. 1999. Efficient calculation of compute-intensive fitness in genetic computations using a survival indicator for population members. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 784, Orlando, Florida, USA. Morgan Kaufmann.

[Eiben et al.(1999)Eiben, Elia, and van Hemert] A. E. Eiben, D. Elia, and J. I. van Hemert. 1999. Population dynamics and emerging mental features in aegis. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1257–1264, Orlando, Florida, USA. Morgan Kaufmann.

[El-Beltagy et al.(1999)El-Beltagy, Nair, and Keane] Mohammed A. El-Beltagy, Prasanth B. Nair, and Andy J. Keane. 1999. Metamodeling techniques for evolutionary optimization of computationally expensive problems: Promises and limitations. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 196–203, Orlando, Florida, USA. Morgan Kaufmann.

[Eldershaw and Cameron(1999)] Craig Eldershaw and Stephen Cameron. 1999. Real-world applications: Motion planning using gas. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1776, Orlando, Florida, USA. Morgan Kaufmann.

[Evett et al.(1999)Evett, Khoshgoftaar, der Chien, and Allen] Matthew Evett, Taghi Khoshgoftaar, Pei der Chien, and Edward Allen. 1999. Modelling software quality with gp. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1232, Orlando, Florida, USA. Morgan Kaufmann.

[i Fabrega and i Guiu(1999)] Francesc Xavier Llora i Fabrega and Josep Maria Garrell i Guiu. 1999. Genifer: A nearest neighbour based classifier system using ga. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 797, Orlando, Florida, USA. Morgan Kaufmann.

[Falco et al.(1999)Falco, Iazzetta, Tarantino, Cioppa, and Iacuelli] I. De Falco, A. Iazzetta, E. Tarantino, A. Della Cioppa, and A. Iacuelli. 1999. Towards a simulation of natural mutation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 156–163, Orlando, Florida, USA. Morgan Kaufmann.

[Federman et al.(1999)Federman, Sparkman, and Watt] Francine Federman, Gayle Sparkman, and Stephanie Watt. 1999. Representation of music in a learning classifier system utilizing bach chorales. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 785, Orlando, Florida, USA. Morgan Kaufmann.

[Fernandes et al.(1999)Fernandes, Caldeira, Melicio, and Rosa] Carlos Fernandes, Joao Paulo Caldeira, Fernando Melicio, and Agostinho Rosa. 1999. Evolutionary algorithm for school timetabling. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1777, Orlando, Florida, USA. Morgan Kaufmann.

[Fernandez Jr. and Walker(1999)] J. Jaime Fernandez Jr. and Ian D. Walker. 1999. A biologically inspired fitness function for robotic grasping. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1517–1522, Orlando, Florida, USA. Morgan Kaufmann.

[Folino et al.(1999)Folino, Pizzuti, and Spezzano] Gianluigi Folino, Clara Pizzuti, and Giandomenico Spezzano. 1999. A cellular genetic programming approach to classification. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1015–1020, Orlando, Florida, USA. Morgan Kaufmann.

[Francone et al.(1999)Francone, Conrads, Banzhaf, and Nordin] Frank D. Francone, Markus Conrads, Wolfgang Banzhaf, and Peter Nordin. 1999. Homologous crossover in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1021–1026, Orlando, Florida, USA. Morgan Kaufmann.

[Fuchs et al.(1999)Fuchs, Fuchs, and Fuchs] Marc Fuchs, Dirk Fuchs, and Matthias Fuchs. 1999. Generating lemmas for tableau-based proof search using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1027–1032, Orlando, Florida, USA. Morgan Kaufmann.

[Fuchs(1999)] Matthias Fuchs. 1999. Large populations are not always the best choice in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1033–1038, Orlando, Florida, USA. Morgan Kaufmann.

[Fukunaga(1999)] Alex S. Fukunaga. 1999. Portfolios of genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 786, Orlando, Florida, USA. Morgan Kaufmann.

[Fukuyama et al.(1999)Fukuyama, Takayama, Nakanishi, and Yoshida] Yoshikazu Fukuyama, Shinichi Takayama, Yosuke Nakanishi, and Hirotaka Yoshida. 1999. A particle swarm optimization for reactive power and voltage control in electric power systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1523–1528, Orlando, Florida, USA. Morgan Kaufmann.

[Furutani(1999)] Hiroshi Furutani. 1999. Analytical solutions for infinite population genetic algorithms on multiplicative landscape. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 204–211, Orlando, Florida, USA. Morgan Kaufmann.

[Gaivoronski(1999)] Alexei A. Gaivoronski. 1999. Modeling of complex economic systems with agent nets. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1265–1272, Orlando, Florida, USA. Morgan Kaufmann.

[Gallagher and Beer(1999)] John C. Gallagher and Randall D. Beer. 1999. Evolution and analysis of dynamical neural networks for agents integrating vision, locomotion, and short-term memory. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1273–1280, Orlando, Florida, USA. Morgan Kaufmann.

[Gallagher et al.(1999)Gallagher, Frean, and Downs] Marcus Gallagher, Marcus Frean, and Tom Downs. 1999. Real-valued evolutionary optimization using a flexible probability density estimator. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 840–846, Orlando, Florida, USA. Morgan Kaufmann.

[de Garis et al.(1999)de Garis, Buller, Korkin, Gers, Nawa, and Hough] H. de Garis, A. Buller, M. Korkin, F. Gers, N. E. Nawa, and M. Hough. 1999. Atr's artificial brain ("cam-brain") project: A sample of what individual "codi-1bit" model evolved neural net modules can do with digital and analog i/o. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1233, Orlando, Florida, USA. Morgan Kaufmann.

[Garzon et al.(1999)Garzon, Deaton, and Barnes] Max H. Garzon, Russell J. Deaton, and Ken Barnes. 1999. On self-assembling graphs in vitro. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1805–1809, Orlando, Florida, USA. Morgan Kaufmann.

[Ghanea-Hercock et al.(1999)Ghanea-Hercock, Ndumu, and Collis] Robert Ghanea-Hercock, Divine T. Ndumu, and Jaron Collis. 1999. Distributed genetic programming with mobile agents. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1441, Orlando, Florida, USA. Morgan Kaufmann.

[Glickman and Sycara(1999)] Matthew R. Glickman and Katia Sycara. 1999. Evolution of goal-directed behavior from limited information in a complex environment. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1281–1288, Orlando, Florida, USA. Morgan Kaufmann.

[Goldberg(1999)] David E. Goldberg. 1999. Using time efficiently: Genetic-evolutionary algorithms and the continuation problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 212–219, Orlando, Florida, USA. Morgan Kaufmann.

[Goldberg and Voessner(1999)] David E. Goldberg and Siegfried Voessner. 1999. Optimizing global-local search hybrids. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 220–228, Orlando, Florida, USA. Morgan Kaufmann.

[Golovkin et al.(1999)Golovkin, Mancini, and Louis] Igor E. Golovkin, Roberto C. Mancini, and Sushil J. Louis. 1999. Plasma x-ray spectra analysis using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1529–1534, Orlando, Florida, USA. Morgan Kaufmann.

[Gordillo et al.(1999)Gordillo, Alcala, and Aracil] Francisco Gordillo, Ismael Alcala, and Javier Aracil. 1999. A tool for solving differential games with co-evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1535–1542, Orlando, Florida, USA. Morgan Kaufmann.

[Gordon et al.(1999)Gordon, Pirie, Wachter, and Sharp] V. Scott Gordon, Rebecca Pirie, Adam Wachter, and Scottie Sharp. 1999. Terrain-based genetic algorithm (tbga): Modeling parameter space as terrain. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 229–235, Orlando, Florida, USA. Morgan Kaufmann.

[Gorges-Schleuter(1999)] Martina Gorges-Schleuter. 1999. An analysis of local selection in evolution strategies. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 847–854, Orlando, Florida, USA. Morgan Kaufmann.

[Gottlieb(1999)] Jens Gottlieb. 1999. Evolutionary algorithms for multidimensional knapsack problems: the relevance of the boundary of the feasible region. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 787, Orlando, Florida, USA. Morgan Kaufmann.

[Gronroos(1999)] Marko Gronroos. 1999. A comparison of some methods for evolving neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1442, Orlando, Florida, USA. Morgan Kaufmann.

[Guerra-Salcedo and Whitley(1999)] Cesar Guerra-Salcedo and Darrell Whitley. 1999. Genetic approach to feature selection for ensemble creation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 236–243, Orlando, Florida, USA. Morgan Kaufmann.

[Guigue et al.(1999)Guigue, Oussedik, and Delahaye] Alexis Guigue, Sofiane Oussedik, and Daniel Delahaye. 1999. Sequencing aircraft landings by genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 788, Orlando, Florida, USA. Morgan Kaufmann.

[Hackworth(1999)] Tim Hackworth. 1999. India and pakistan, a classic "richardson" arms race: A genetic algorithmic approach. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1543–1550, Orlando, Florida, USA. Morgan Kaufmann.

[Haith et al.(1999)Haith, Colombano, Lohn, and Stassinopoulos] Gary L. Haith, Silvano P. Colombano, Jason D. Lohn, and Dimitris Stassinopoulos. 1999. Coevolution for problem simplification. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 244–251, Orlando, Florida, USA. Morgan Kaufmann.

[Handa et al.(1999)Handa, Katai, Konishi, and Baba] Hisashi Handa, Osamu Katai, Tadataka Konishi, and Mitsuru Baba. 1999. Coevolutionary genetic algorithms for solving dynamic constraint satisfaction problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 252–257, Orlando, Florida, USA. Morgan Kaufmann.

[Hara and Nagao(1999)] Akira Hara and Tomoharu Nagao. 1999. Emergence of the cooperative behavior using adg; automatically defined groups. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1039–1046, Orlando, Florida, USA. Morgan Kaufmann.

[Harik and Lobo(1999)] Georges R. Harik and Fernando G. Lobo. 1999. A parameter-less genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 258–265, Orlando, Florida, USA. Morgan Kaufmann.

[Harrell and Ranjithan(1999)] Laura J. Harrell and S. Ranji Ranjithan. 1999. Evaluation of alternative penalty function implementations in a watershed management design problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1551–1558, Orlando, Florida, USA. Morgan Kaufmann.

[Harris et al.(1999a)Harris, Elliott, Ingham, Pourkashanian, and Wilson] S. D. Harris, L. Elliott, D. B. Ingham, M. Pourkashanian, and C. W. Wilson. 1999a. The retrieval of chemical reaction rates using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1780, Orlando, Florida, USA. Morgan Kaufmann.

[Harris et al.(1999b)Harris, Mustata, Elliott, Ingham, and Lesnic] S. D. Harris, R. Mustata, L. Elliott, D. B. Ingham, and D. Lesnic. 1999b. Parameter identification within rocks using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1779, Orlando, Florida, USA. Morgan Kaufmann.

[Hart and Ross(1999)] Emma Hart and Peter Ross. 1999. An immune system approach to scheduling in changing environments. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1559–1566, Orlando, Florida, USA. Morgan Kaufmann.

[Hart(1999)] William E. Hart. 1999. Comparing evolutionary programs and evolutionary pattern search algorithms: A drug docking application. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 855–862, Orlando, Florida, USA. Morgan Kaufmann.

[Hartley(1999)] Adrian R. Hartley. 1999. Accuracy-based fitness allows similar performance to humans in static and dynamic classification environments. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 266–273, Orlando, Florida, USA. Morgan Kaufmann.

[Harvey et al.(1999)Harvey, Foster, and Frincke] Brad Harvey, James Foster, and Deborah Frincke. 1999. Towards byte code genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1234, Orlando, Florida, USA. Morgan Kaufmann.

[Harvey and Pettey(1999)] K. Burton Harvey and Chrisila C. Pettey. 1999. The outlaw method for solving multimodal functions with split ring parallel genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 274–280, Orlando, Florida, USA. Morgan Kaufmann.

[Heckendorn et al.(1999)Heckendorn, Rana, and Whitley] Robert B. Heckendorn, Soraya Rana, and Darrell Whitley. 1999. Polynomial time summary statistics for a generalization of maxsat. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 281–288, Orlando, Florida, USA. Morgan Kaufmann.

[Helmer et al.(1999)Helmer, Wong, Honavar, and Miller] Guy Helmer, Johnny Wong, Vasant Honavar, and Les Miller. 1999. Feature selection using a genetic algorithm for intrusion detection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1781, Orlando, Florida, USA. Morgan Kaufmann.

[Hernandez et al.(1999)Hernandez, Goldstein, and Niao] German Hernandez, Jerome A. Goldstein, and Fernando Niao. 1999. Stochastic differential model for evolutionary algorithms over continuous spaces. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 863–870, Orlando, Florida, USA. Morgan Kaufmann.

[Hinchliffe et al.(1999)Hinchliffe, Willis, and Tham] Mark Hinchliffe, Mark Willis, and Ming Tham. 1999. Dynamic chemical process modelling using a multiple basis function genetic programming algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1782, Orlando, Florida, USA. Morgan Kaufmann.

[Ho and Chang(1999)] Shinn-Ying Ho and Xiao-I Chang. 1999. An efficient generalized multiobjective evolutionary algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 871–878, Orlando, Florida, USA. Morgan Kaufmann.

[Ho et al.(1999a)Ho, Chen, and Shu] Shinn-Ying Ho, Hung-Ming Chen, and Li-Sun Shu. 1999a. Solving large knowledge base partitioning problems using an intelligent genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1567–1572, Orlando, Florida, USA. Morgan Kaufmann.

[Ho et al.(1999b)Ho, Shu, and Chen] Shinn-Ying Ho, Li-Sun Shu, and Hung-Ming Chen. 1999b. Intelligent genetic algorithm with a new intelligent crossover using orthogonal arrays. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 289–296, Orlando, Florida, USA. Morgan Kaufmann.

[Hoehn and Pettey(1999)] Theodore P. Hoehn and Chrisila C. Pettey. 1999. Parental and cyclic-rate mutation in genetic algorithms: An initial investigation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 297–304, Orlando, Florida, USA. Morgan Kaufmann.

[Hofmeyr and Forrest(1999)] Steven A. Hofmeyr and Stephanie Forrest. 1999. Immunity by design: An artificial immune system. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1289–1296, Orlando, Florida, USA. Morgan Kaufmann.

[Holmes(1999)] John H. Holmes. 1999. Evaluating learning classifier system performance in two-choice decision tasks: An lcs metric toolkit. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 789, Orlando, Florida, USA. Morgan Kaufmann.

[Hong et al.(1999)Hong, Wang, and Chen] Tzung-Pei Hong, Hong-Shung Wang, and Wei-Chou Chen. 1999. Simultaneously applying multiple crossover and mutation operators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 790, Orlando, Florida, USA. Morgan Kaufmann.

[Horn(1999)] Jeffrey Horn. 1999. Controlling the cooperative-competitive boundary in niched genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 305–312, Orlando, Florida, USA. Morgan Kaufmann.

[Hornby et al.(1999)Hornby, Fujita, Takamura, Yamamoto, and Hanagata] G. S. Hornby, M. Fujita, S. Takamura, T. Yamamoto, and O. Hanagata. 1999. Autonomous evolution of gaits with the sony quadruped robot. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1297–1304, Orlando, Florida, USA. Morgan Kaufmann.

[Hornby and Mirtich(1999)] Gregory S. Hornby and Brian Mirtich. 1999. Diffuse versus true coevolution in a physics-based world. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1305–1312, Orlando, Florida, USA. Morgan Kaufmann.

[Howard and Roberts(1999)] Daniel Howard and Simon C. Roberts. 1999. A staged genetic programming strategy for image analysis. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1047–1052, Orlando, Florida, USA. Morgan Kaufmann.

[Hsu et al.(1999)Hsu, Pottenger, Welge, Wu, and Yang] William H. Hsu, William M. Pottenger, Michael Welge, Jie Wu, and Ting-Hao Yang. 1999. Genetic algorithms for attribute synthesis in large-scale data mining. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1783, Orlando, Florida, USA. Morgan Kaufmann.

[Huang et al.(1999)Huang, Yang, Shen, and Horng] Hsien-Da Huang, Jih Tsung Yang, Shu Fong Shen, and Jorng-Tzong Horng. 1999. An evolution strategy to solve sports scheduling problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 943, Orlando, Florida, USA. Morgan Kaufmann.

[Iba(1999)] Hitoshi Iba. 1999. Bagging, boosting, and bloating in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1053–1060, Orlando, Florida, USA. Morgan Kaufmann.

[Igel and Chellapilla(1999)] Christian Igel and Kumar Chellapilla. 1999. Investigating the influence of depth and degree of genotypic change on fitness in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1061–1068, Orlando, Florida, USA. Morgan Kaufmann.

[III et al.(1999a)III, Koza, Keane, Yu, Mydlowec, and Stiffelman] Forrest H Bennett III, John R. Koza, Martin A. Keane, Jessen Yu, William Mydlowec, and Oscar Stiffelman. 1999a. Evolution by means of genetic programming of analog circuits that perform digital functions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1477–1483, Orlando, Florida, USA. Morgan Kaufmann.

[III et al.(1999b)III, Koza, Shipman, and Stiffelman] Forrest H Bennett III, John R. Koza, James Shipman, and Oscar Stiffelman. 1999b. Building a parallel computer system for $18,000 that performs a half peta-flop per day. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1484–1490, Orlando, Florida, USA. Morgan Kaufmann.

[III(1999)] H. Brown Cribbs III. 1999. Aircraft maneuvering via genetics-based adaptive agent. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1249–1256, Orlando, Florida, USA. Morgan Kaufmann.

[Iima and Sannomiya(1999)] Hitoshi Iima and Nobuo Sannomiya. 1999. Genetic algorithm for a large-scale scheduling problem in an electric wire production process. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1784, Orlando, Florida, USA. Morgan Kaufmann.

[Jelasity(1999)] Mark Jelasity. 1999. The adaptationist stance and evolutionary computation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1859–1864, Orlando, Florida, USA. Morgan Kaufmann.

[Jo and Kang(1999)] Yong-Gun Jo and Hoon Kang. 1999. Evolutionary cellular automata for optimal path planning of mobile robots. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1443, Orlando, Florida, USA. Morgan Kaufmann.

[John et al.(1999)John, Panton, and White] Maria John, David Panton, and Kevin White. 1999. Genetic algorithm for regional surveillance. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1573–1579, Orlando, Florida, USA. Morgan Kaufmann.

[Julstrom(1999)] Bryant A. Julstrom. 1999. Redundant genetic encodings may not be harmful. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 791, Orlando, Florida, USA. Morgan Kaufmann.

[Kalganova et al.(1999)Kalganova, Miller, and Fogarty] Tatiana Kalganova, Julian F. Miller, and Terence C. Fogarty. 1999. Evolution of the digital circuits with variable layouts. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1235, Orlando, Florida, USA. Morgan Kaufmann.

[Karanta et al.(1999)Karanta, Mikkola, Bounsaythip, Jokinen, and Savola] Ilkka Karanta, Topi Mikkola, Catherine Bounsaythip, Olli Jokinen, and Juha Savola. 1999. Solving wood collection problem using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1787, Orlando, Florida, USA. Morgan Kaufmann.

[Kargupta and Sarkar(1999)] Hillol Kargupta and Kakali Sarkar. 1999. Function induction, gene expression, and evolutionary representation construction. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 313–320, Orlando, Florida, USA. Morgan Kaufmann.

[Karr and Borgelt(1999)] Charles L. Karr and Ken Borgelt. 1999. Modeling a grinding circuit using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1785, Orlando, Florida, USA. Morgan Kaufmann.

[Karr and Weck(1999)] Charles L. Karr and Barry Weck. 1999. Solutions to systems of nonlinear equations via genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1786, Orlando, Florida, USA. Morgan Kaufmann.

[Kaschel et al.(1999)Kaschel, Kobernik, Meier, and Teich] J. Kaschel, Gunnar Kobernik, Bernd Meier, and Tobias Teich. 1999. Genetic algorithm, avoiding of deadlocks and gantt-chart-generation for the job shop scheduling problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 792, Orlando, Florida, USA. Morgan Kaufmann.

[Katayama and Narihisa(1999)] Kengo Katayama and Hiroyuki Narihisa. 1999. Iterated local search approach using genetic transformation to the traveling salesman problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 321–328, Orlando, Florida, USA. Morgan Kaufmann.

[Keedwell et al.(1999)Keedwell, Narayanan, and Savic] Edward Keedwell, Ajit Narayanan, and Dragan Savic. 1999. Using genetic algorithms to extract rules from trained neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 793, Orlando, Florida, USA. Morgan Kaufmann.

[Keijzer and Babovic(1999)] Maarten Keijzer and Vladan Babovic. 1999. Dimensionally aware genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1069–1076, Orlando, Florida, USA. Morgan Kaufmann.

[Keller and Banzhaf(1999)] Robert E. Keller and Wolfgang Banzhaf. 1999. The evolution of genetic code in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1077–1082, Orlando, Florida, USA. Morgan Kaufmann.

[Kennedy and Giraud-Carrier(1999)] Claire J. Kennedy and Christophe Giraud-Carrier. 1999. A depth controlling strategy for strongly typed evolutionary programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 879–885, Orlando, Florida, USA. Morgan Kaufmann.

[Key(1999)] Cathy Key. 1999. Non-reciprocal altruism and the evolution of paternal care. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1313–1320, Orlando, Florida, USA. Morgan Kaufmann.

[Klyce(1999)] Brig Klyce. 1999. In real or artificial life, is evolutionary progress in a closed system possible? In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1444, Orlando, Florida, USA. Morgan Kaufmann.

[Knowles et al.(1999)Knowles, Corne, and Oates] Joshua Knowles, David Corne, and Martin Oates. 1999. A new evolutionary approach to the degree constrained minimum spanning tree problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 794, Orlando, Florida, USA. Morgan Kaufmann.

[Koehler(1999)] Gary J. Koehler. 1999. Computing simple ga expected waiting times. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 795, Orlando, Florida, USA. Morgan Kaufmann.

[Kokai et al.(1999a)Kokai, Toth, and Vanyi] Gabriella Kokai, Zoltan Toth, and Robert Vanyi. 1999a. Generic evolution algorithms programming library. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1867, Orlando, Florida, USA. Morgan Kaufmann.

[Kokai et al.(1999b)Kokai, Vanyi, and Toth] Gabriella Kokai, Robert Vanyi, and Zoltan Toth. 1999b. Parametric l-system description of the retina with combined evolutionary operators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1588–1595, Orlando, Florida, USA. Morgan Kaufmann.

[Kopp et al.(1999)Kopp, Mortveit, and Reidys] Stephan Kopp, Henning S. Mortveit, and Christian M. Reidys. 1999. Sequential dynamical systems and simulation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1445, Orlando, Florida, USA. Morgan Kaufmann.

[Kovacs(1999)] Tim Kovacs. 1999. Deletion schemes for classifier systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 329–336, Orlando, Florida, USA. Morgan Kaufmann.

[Koza et al.(1999)Koza, Keane, III, Yu, Mydlowec, and Stiffelman] John R. Koza, Martin A. Keane, Forrest H Bennett III, Jessen Yu, William Mydlowec, and Oscar Stiffelman. 1999. Searching for the impossible using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1083–1091, Orlando, Florida, USA. Morgan Kaufmann.

[Krasnogor et al.(1999)Krasnogor, Hart, Smith, and Pelta] Natalio Krasnogor, William E. Hart, Jim Smith, and David A. Pelta. 1999. Protein structure prediction with evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1596–1601, Orlando, Florida, USA. Morgan Kaufmann.

[Krink et al.(1999)Krink, Mayoh, and Michalewicz] Thiemo Krink, Brian H. Mayoh, and Zbigniew Michalewicz. 1999. A patchwork model for evolutionary algorithms with structured and variable size populations. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1321–1328, Orlando, Florida, USA. Morgan Kaufmann.

[Kundu(1999)] Sourav Kundu. 1999. Complexity engineering, evolution and optimality of structures. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 796, Orlando, Florida, USA. Morgan Kaufmann.

[Langdon(1999)] W. B. Langdon. 1999. Size fair and homologous tree genetic programming crossovers. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1092–1097, Orlando, Florida, USA. Morgan Kaufmann.

[Langham and Grant(1999)] A. E. Langham and P. W. Grant. 1999. A multilevel k-way partitioning algorithm for finite element meshes using competing ant colonies. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1602–1608, Orlando, Florida, USA. Morgan Kaufmann.

[Lanzi(1999)] Pier Luca Lanzi. 1999. Extending the representation of classifier conditions part i: From binary to messy coding. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 337–344, Orlando, Florida, USA. Morgan Kaufmann.

[Lanzi and Colombetti(1999)] Pier Luca Lanzi and Marco Colombetti. 1999. An extension to the xcs classifier system for stochastic environments. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 353–360, Orlando, Florida, USA. Morgan Kaufmann.

[Lanzi and Perrucci(1999)] Pier Luca Lanzi and Alessandro Perrucci. 1999. Extending the representation of classifier conditions part ii: From messy coding to s-expressions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 345–352, Orlando, Florida, USA. Morgan Kaufmann.

[Lee and Song(1999)] Chang-Yong Lee and Yoonseon Song. 1999. Evolutionary programming using the levy probability distribution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 886–893, Orlando, Florida, USA. Morgan Kaufmann.

[Lee and Cho(1999)] Joo-Young Lee and Sung-Bae Cho. 1999. Incorporating human preference into content-based image retrieval using interactive genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1788, Orlando, Florida, USA. Morgan Kaufmann.

[Lerena and Courant(1999)] Patricio Lerena and Michele Courant. 1999. Complexity in mate choice. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1446, Orlando, Florida, USA. Morgan Kaufmann.

[Levenick(1999)] James R. Levenick. 1999. Swappers: Introns promote flexibility, diversity and invention. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 361–368, Orlando, Florida, USA. Morgan Kaufmann.

[Li et al.(1999)Li, Man, and Tang] Y. Li, K. F. Man, and K. S. Tang. 1999. Multiobjective genetic algorithm for rolling-horizon production planning. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1789, Orlando, Florida, USA. Morgan Kaufmann.

[Lim and Thalmann(1999)] Ik Soo Lim and Daniel Thalmann. 1999. How not to be a black-box: Evolution and genetic-engineering of high-level behaviours. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1329–1335, Orlando, Florida, USA. Morgan Kaufmann.

[Lin(1999)] Wen-Yang Lin. 1999. Improving parallel ordering of sparse matrices using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1790, Orlando, Florida, USA. Morgan Kaufmann.

[Loughlin and Ranjithan(1999)] Daniel H. Loughlin and S. Ranji Ranjithan. 1999. Chance-constrained genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 369–376, Orlando, Florida, USA. Morgan Kaufmann.

[Louis and Tang(1999)] Sushil J. Louis and Rilun Tang. 1999. Interactive genetic algorithms for the traveling salesman problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 385–392, Orlando, Florida, USA. Morgan Kaufmann.

[Louis and Zhang(1999)] Sushil J. Louis and Yongmian Zhang. 1999. A sequential similarity metric for case injected genetic algorithms applied to tsps. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 377–384, Orlando, Florida, USA. Morgan Kaufmann.

[Luke et al.(1999)Luke, Hamahashi, and Kitano] Sean Luke, Shugo Hamahashi, and Hiroaki Kitano. 1999. "genetic" programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1098–1105, Orlando, Florida, USA. Morgan Kaufmann.

[Maley(1999)] C. C. Maley. 1999. Four steps toward open-ended evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1336–1343, Orlando, Florida, USA. Morgan Kaufmann.

[Marchiori and Rossi(1999)] Elena Marchiori and Claudio Rossi. 1999. A flipping genetic algorithm for hard 3-sat problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 393–400, Orlando, Florida, USA. Morgan Kaufmann.

[Mariano and M.(1999)] Carlos E. Mariano and Eduardo Morales M. 1999. Moaq an ant-q algorithm for multiple objective optimization problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 894–901, Orlando, Florida, USA. Morgan Kaufmann.

[Marin and Sole(1999)] Jesus Marin and Ricard V. Sole. 1999. Evolutionary optimization through extinction dynamics. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1344–1349, Orlando, Florida, USA. Morgan Kaufmann.

[Marks et al.(1999)Marks, Midgley, Cooper, and Shiraz] Robert E. Marks, David F. Midgley, Lee G. Cooper, and G. M. Shiraz. 1999. Coevolution with the genetic algorithm: Repeated differentiated oligopolies. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1609–1615, Orlando, Florida, USA. Morgan Kaufmann.

[Martin et al.(1999)Martin, Moal, and Vrain] Lionel Martin, Frederic Moal, and Christel Vrain. 1999. Declarative expression of biases in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 401–408, Orlando, Florida, USA. Morgan Kaufmann.

[Mattfeld(1999)] Dirk C. Mattfeld. 1999. Scalable search spaces for scheduling problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1616–1621, Orlando, Florida, USA. Morgan Kaufmann.

[Mautner and Belew(1999)] Craig Mautner and Richard K. Belew. 1999. Coupling morphology and control in a simulated robot. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1350–1357, Orlando, Florida, USA. Morgan Kaufmann.

[Maxwell and Anderson(1999)] Bruce Maxwell and Sven Anderson. 1999. Training hidden markov models using population-based learning. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 944, Orlando, Florida, USA. Morgan Kaufmann.

[McKay et al.(1999)McKay, Willis, Searson, and Montague] Ben McKay, Mark Willis, Dominic Searson, and Gary Montague. 1999. Non-linear continuum regression using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1106–1111, Orlando, Florida, USA. Morgan Kaufmann.

[McPhee and Hopper(1999)] Nicholas Freitag McPhee and Nicholas J. Hopper. 1999. Analysis of genetic diversity through population history. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1112–1120, Orlando, Florida, USA. Morgan Kaufmann.

[Mengshoel and Goldberg(1999)] Ole J. Mengshoel and David E. Goldberg. 1999. Probabilistic crowding: Deterministic crowding with probabilisitic replacement. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 409–416, Orlando, Florida, USA. Morgan Kaufmann.

[Merz and Freisleben(1999)] Peter Merz and Bernd Freisleben. 1999. Genetic algorithms for binary quadratic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 417–424, Orlando, Florida, USA. Morgan Kaufmann.

[Meysenburg and Foster(1999a)] Mark M. Meysenburg and James A. Foster. 1999a. Random generator quality and gp performance. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1121–1126, Orlando, Florida, USA. Morgan Kaufmann.

[Meysenburg and Foster(1999b)] Mark M. Meysenburg and James A. Foster. 1999b. Randomness and ga performance, revisited. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 425–432, Orlando, Florida, USA. Morgan Kaufmann.

[Miagkikh and III(1999)] Victor V. Miagkikh and William F. Punch III. 1999. An approach to solving combinatorial optimization problems using a population of reinforcement learning agents. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1358–1365, Orlando, Florida, USA. Morgan Kaufmann.

[Miller(1999a)] Julian F. Miller. 1999a. Digital filter design at gate-level using evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1127–1134, Orlando, Florida, USA. Morgan Kaufmann.

[Miller(1999b)] Julian F. Miller. 1999b. An empirical study of the efficiency of learning boolean functions using a cartesian genetic programming approach. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1135–1142, Orlando, Florida, USA. Morgan Kaufmann.

[Mota et al.(1999)Mota, Ferreira, and Rosa] Cristina Mota, Heitor Ferreira, and Agostinho Rosa. 1999. Independent and simultaneous evolution of fuzzy sleep classifiers by genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1622–1629, Orlando, Florida, USA. Morgan Kaufmann.

[Moustafa et al.(1999)Moustafa, Jong, and Wegman] Rida E. Moustafa, Kenneth A. De Jong, and Edward J. Wegman. 1999. Using genetic algorithms for adaptive function approximation and mesh generation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 798, Orlando, Florida, USA. Morgan Kaufmann.

[Munetomo and Goldberg(1999)] Masaharu Munetomo and David E. Goldberg. 1999. Identifying linkage groups by nonlinearity/non-monotonicity detection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 433–440, Orlando, Florida, USA. Morgan Kaufmann.

[Murata et al.(1999)Murata, Ishibuchi, and Gen] Tadahiko Murata, Hisao Ishibuchi, and Mitsuo Gen. 1999. Specification of local search directions in genetic local search algorithms for multi-objective optimization problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 441–448, Orlando, Florida, USA. Morgan Kaufmann.

[Muruzabal(1999)] Jorge Muruzabal. 1999. Mining the space of generality with uncertainty-concerned cooperative classifiers. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 449–457, Orlando, Florida, USA. Morgan Kaufmann.

[Myers et al.(1999)Myers, Laskey, and DeJong] James W. Myers, Kathryn B. Laskey, and Kenneth A. DeJong. 1999. Learning bayesian networks from incomplete data using evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 458–465, Orlando, Florida, USA. Morgan Kaufmann.

[Naoki and Hajime(1999)] Mori Naoki and Kita Hajime. 1999. The entropy evaluation method for the thermodynamical selection rule. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 799, Orlando, Florida, USA. Morgan Kaufmann.

[Naudts and Schippers(1999)] Bart Naudts and Adriaan Schippers. 1999. A motivated definition of exploitation and exploration. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 800, Orlando, Florida, USA. Morgan Kaufmann.

[Nault et al.(1999)Nault, Rialle, and Meunier] Georges Nault, Vincent Rialle, and Jean-Guy Meunier. 1999. Progen: a genetic-based semi-automatic hypertext construction tool-first steps and experiment. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1630–1635, Orlando, Florida, USA. Morgan Kaufmann.

[Navarro et al.(1999)Navarro, de Oliveira, Ramos, and Campos-Velho] Pedro Luis Kantek Garcia Navarro, Pedro P. B. de Oliveira, Fernando M. Ramos, and Haroldo F. Campos-Velho. 1999. Magnetotelluric inversion using problem-specific genetic operators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1580–1587, Orlando, Florida, USA. Morgan Kaufmann.

[Neves et al.(1999a)Neves, Silva, and Costa] Ana Neves, Arlindo Silva, and Ernesto Costa. 1999a. Evolutionary path planning for nonholonomic robots. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 466–472, Orlando, Florida, USA. Morgan Kaufmann.

[Neves et al.(1999b)Neves, Rocha, Rodrigues, Biscaia, and Alves] Jose Neves, Miguel Rocha, Hugo Rodrigues, Miguel Biscaia, and Jose Alves. 1999b. Adaptive strategies and the design of evolutionary applications. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 473–479, Orlando, Florida, USA. Morgan Kaufmann.

[Niao et al.(1999)Niao, Hernandez, and Dasgupta] Fernando Niao, German Hernandez, and Dipankar Dasgupta. 1999. On evolution of stochastic dynamical neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 801, Orlando, Florida, USA. Morgan Kaufmann.

[Nishikawa et al.(1999)Nishikawa, Hagiya, and Yamamura] Akio Nishikawa, Masami Hagiya, and Masayuki Yamamura. 1999. Virtual dna simulator and protocol design by ga. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1810–1816, Orlando, Florida, USA. Morgan Kaufmann.

[Oates et al.(1999)Oates, Corne, and Loader] Martin Oates, David Corne, and Roger Loader. 1999. Variation in ea performance characteristics on the adaptive distributed database management problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 480–487, Orlando, Florida, USA. Morgan Kaufmann.

[Obayashi et al.(1999)Obayashi, Sasaki, and Takeguchi] Shigeru Obayashi, Daisuke Sasaki, and Yukihiro Takeguchi. 1999. Evolutionary computation of supersonic wing shape optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1791, Orlando, Florida, USA. Morgan Kaufmann.

[Ochoa et al.(1999)Ochoa, Harvey, and Buxton] Gabriela Ochoa, Inman Harvey, and Hilary Buxton. 1999. On recombination and optimal mutation rates. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 488–495, Orlando, Florida, USA. Morgan Kaufmann.

[Ogihara(1999)] Mitsunori Ogihara. 1999. Relating the minimum model for dna computation and boolean circuits. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1817–1821, Orlando, Florida, USA. Morgan Kaufmann.

[Oh(1999)] Jae C. Oh. 1999. Effects of "physical body" on biased opponent selection in the iterated prisoner's dilemma game. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1447, Orlando, Florida, USA. Morgan Kaufmann.

[Olague(1999)] Gustavo Olague. 1999. Analysis of genetic algorithms convergence applied to mensuration problems in computer vision. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1792, Orlando, Florida, USA. Morgan Kaufmann.

[Olsson(1999)] Bjorn Olsson. 1999. Using evolutionary algorithms in the design of protein fingerprints. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1636–1642, Orlando, Florida, USA. Morgan Kaufmann.

[O'Neill and Ryan(1999)] Michael O'Neill and Conor Ryan. 1999. Under the hood of grammatical evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1143–1148, Orlando, Florida, USA. Morgan Kaufmann.

[Ono et al.(1999)Ono, Kita, and Kobayashi] Isao Ono, Hajime Kita, and Shigenobu Kobayashi. 1999. A robust real-coded genetic algorithm using unimodal normal distribution crossover augmented by uniform crossover: Effects of self-adaptation of crossover probabilities. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 496–503, Orlando, Florida, USA. Morgan Kaufmann.

[Opitz(1999)] David W. Opitz. 1999. An evolutionary approach to feature set selection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 803, Orlando, Florida, USA. Morgan Kaufmann.

[Opitz et al.(1999)Opitz, Basak, and Gute] David W. Opitz, Subhash C. Basak, and Brian D. Gute. 1999. Hazard assessment modeling: An evolutionary ensemble approach. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1643–1650, Orlando, Florida, USA. Morgan Kaufmann.

[Oppacher and Wineberg(1999)] Franz Oppacher and Mark Wineberg. 1999. The shifting balance genetic algorithm: Improving the ga in a dynamic environment. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 504–510, Orlando, Florida, USA. Morgan Kaufmann.

[Oprea and Forrest(1999)] Mihaela Oprea and Stephanie Forrest. 1999. How the immune system generates diversity: Pathogen space coverage with random and evolved antibody libraries. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1651–1656, Orlando, Florida, USA. Morgan Kaufmann.

[Ostermeier and Hansen(1999)] Andreas Ostermeier and Nikolaus Hansen. 1999. An evolution strategy with coordinate system invariant adaptation of arbitrary normal mutation distributions within the concept of mutative strategy parameter control. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 902–909, Orlando, Florida, USA. Morgan Kaufmann.

[Palazzari and Coli(1999)] Paolo Palazzari and Moreno Coli. 1999. Evolving probabilistic chromosomes in genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 511–518, Orlando, Florida, USA. Morgan Kaufmann.

[Parker and Mills(1999)] Gary B. Parker and Jonathan W. Mills. 1999. Adaptive hexapod gait control using anytime learning with fitness biasing. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 519–524, Orlando, Florida, USA. Morgan Kaufmann.

[Parmee and Watson(1999)] Ian C. Parmee and Andrew H. Watson. 1999. Preliminary airframe design using co-evolutionary multiobjective genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1657–1665, Orlando, Florida, USA. Morgan Kaufmann.

[Pazos et al.(1999a)Pazos, Pazos, and Paton] A. Pazos, J. Pazos, and Alfonso R. Paton. 1999a. Dna assembly and recombination for hamiltonian paths and binary words. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1822–1824, Orlando, Florida, USA. Morgan Kaufmann.

[Pazos et al.(1999b)Pazos, Dorado, Santos, and Rabunal] Alejandro Pazos, Julian Dorado, Antonino Santos, and Juan Ramon Rabunal. 1999b. Optimization of ga parameters to train recurrent ann through weight adjustment and selection of activation functions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1793, Orlando, Florida, USA. Morgan Kaufmann.

[Pazos et al.(1999c)Pazos, del Riego, Dorado, and Cardalda] Alejandro Pazos, A. Santos del Riego, Julian Dorado, and J. J. Romero Cardalda. 1999c. Adaptive aspects of rhythmic composition: Genetic music. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1794, Orlando, Florida, USA. Morgan Kaufmann.

[Pelikan et al.(1999)Pelikan, Goldberg, and Cantu-Paz] Martin Pelikan, David E. Goldberg, and Erick Cantu-Paz. 1999. Boa: The bayesian optimization algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 525–532, Orlando, Florida, USA. Morgan Kaufmann.

[Pereira(1999)] Angela Guimaraes Pereira. 1999. Road design by evolutionary modelling of routes. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1778, Orlando, Florida, USA. Morgan Kaufmann.

[Pereira et al.(1999)Pereira, Machado, Costa, and Cardoso] Francisco B. Pereira, Penousal Machado, Ernesto Costa, and Amilcar Cardoso. 1999. Graph based crossover-a case study with the busy beaver problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1149–1155, Orlando, Florida, USA. Morgan Kaufmann.

[Perkins(1999)] Simon Perkins. 1999. Evolving effective visual tracking through shaping. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1156–1161, Orlando, Florida, USA. Morgan Kaufmann.

[Perrenoud et al.(1999)Perrenoud, Tomassini, Sipper, and Zolla] Mathieu Perrenoud, Marco Tomassini, Moshe Sipper, and Mose Zolla. 1999. Evolving high-quality random number generators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 804, Orlando, Florida, USA. Morgan Kaufmann.

[Petrowski and Hamida(1999)] A. Petrowski and S. Ben Hamida. 1999. A logarithmic mutation operator to solve constrained optimization problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 805, Orlando, Florida, USA. Morgan Kaufmann.

[Pindor(1999)] Andrzej J. Pindor. 1999. Using genetic algorithm to manipulate polynomial expressions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1666–1671, Orlando, Florida, USA. Morgan Kaufmann.

[Plagianakos and Vrahatis(1999)] V. P. Plagianakos and M. N. Vrahatis. 1999. Training neural networks with 3-bit integer weights. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 910–915, Orlando, Florida, USA. Morgan Kaufmann.

[Pohlheim(1999)] Hartmut Pohlheim. 1999. Visualization of evolutionary algorithms - set of standard techniques and multidimensional visualization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 533–540, Orlando, Florida, USA. Morgan Kaufmann.

[Pohlheim and Heissner(1999)] Hartmut Pohlheim and Adolf Heissner. 1999. Optimal control of greenhouse climate using real-world weather data and evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1672–1677, Orlando, Florida, USA. Morgan Kaufmann.

[Pohlheim and Wegener(1999)] Hartmut Pohlheim and Joachim Wegener. 1999. Testing the temporal behavior of real-time software modules using extended evolutionary algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1795, Orlando, Florida, USA. Morgan Kaufmann.

[Poli(1999)] Riccardo Poli. 1999. Schema theorems without expectations. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 806, Orlando, Florida, USA. Morgan Kaufmann.

[Poli et al.(1999)Poli, Page, and Langdon] Riccardo Poli, Jonathan Page, and W. B. Langdon. 1999. Smooth uniform crossover, sub-machine code gp and demes: A recipe for solving high-order boolean parity problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1162–1169, Orlando, Florida, USA. Morgan Kaufmann.

[Poon(1999)] Josiah Poon. 1999. Problem solving: Search, exploration and co-evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 541–548, Orlando, Florida, USA. Morgan Kaufmann.

[Porter et al.(1999)Porter, Willis, and Montague] Mark A. Porter, Mark J. Willis, and Gary A. Montague. 1999. Modelling antibiotic production using standard and sequential hybridised symbolic annealing. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1796, Orlando, Florida, USA. Morgan Kaufmann.

[Pratihar et al.(1999)Pratihar, Deb, and Ghosh] Dilip Kumar Pratihar, Kalyanmoy Deb, and Amitabha Ghosh. 1999. Design of a genetic-fuzzy system for planning optimal path and gait simultaneously of a six-legged robot. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1678–1684, Orlando, Florida, USA. Morgan Kaufmann.

[Pujol and Poli(1999)] Joao Carlos Figueira Pujol and Riccardo Poli. 1999. Evolution of neural networks using weight mapping. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1170–1177, Orlando, Florida, USA. Morgan Kaufmann.

[Punya and Deo(1999)] Sheel Punya and Brahma Deo. 1999. Prediction of silicon content of hot metal using fuzzy-ga regression. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1685–1690, Orlando, Florida, USA. Morgan Kaufmann.

[Radi and Poli(1999)] Amr Radi and Riccardo Poli. 1999. Evolutionary discovery of learning rules for feedforward neural networks with step activation function. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1178–1183, Orlando, Florida, USA. Morgan Kaufmann.

[Raich and Ghaboussi(1999)] Anne M. Raich and Jamshid Ghaboussi. 1999. Frame design synthesis using implicit redundant genetic algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1691–1698, Orlando, Florida, USA. Morgan Kaufmann.

[Raidl(1999)] Gunther R. Raidl. 1999. An evolutionary approach to point-feature label placement. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 807, Orlando, Florida, USA. Morgan Kaufmann.

[Rana(1999)] Soraya Rana. 1999. The distributional biases of crossover operators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 549–556, Orlando, Florida, USA. Morgan Kaufmann.

[Rechsteiner and Bedau(1999)] Andreas Rechsteiner and Mark A. Bedau. 1999. A generic neutral model for measuring excess evolutionary activity of genotypes. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1366–1373, Orlando, Florida, USA. Morgan Kaufmann.

[Ren et al.(1999)Ren, Tanaka, Okayama, and Gojobori] Fengrong Ren, Hiroshi Tanaka, Toshitsugu Okayama, and Takashi Gojobori. 1999. Reconstructing molecular phylogenetic tree with multifurcation by using minimum complexity principle. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1825–1828, Orlando, Florida, USA. Morgan Kaufmann.

[Rodriguez(1999)] Alberto Ochoa Rodriguez. 1999. Finding wavelet packet bases with an estimation distribution algorithm. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 802, Orlando, Florida, USA. Morgan Kaufmann.

[Rose et al.(1999)Rose, Deaton, Franceschetti, Garzon, and Jr.] John A. Rose, Russell J. Deaton, Donald R. Franceschetti, Max Garzon, and S. Edward Stevens Jr. 1999. A statistical mechanical treatment of error in the annealing biostep of dna computation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1829–1834, Orlando, Florida, USA. Morgan Kaufmann.

[Rosete-Suarez et al.(1999)Rosete-Suarez, Ochoa-Rodriguez, and Sebag] Alejandro Rosete-Suarez, Alberto Ochoa-Rodriguez, and Michele Sebag. 1999. Automatic graph drawing and stochastic hill climbing. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1699–1706, Orlando, Florida, USA. Morgan Kaufmann.

[Ross(1999)] Brian J. Ross. 1999. Logic-based genetic programming with definite clause translation grammars. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1236, Orlando, Florida, USA. Morgan Kaufmann.

[Rowe(1999)] Jonathan E. Rowe. 1999. Finding attractors for periodic fitness functions. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 557–563, Orlando, Florida, USA. Morgan Kaufmann.

[Ryan et al.(1999)Ryan, Debuse, Smith, and Whittley] Mark Ryan, Justin Debuse, George Smith, and Ian Whittley. 1999. A hybrid genetic algorithm for the fixed channel assignment problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1707–1714, Orlando, Florida, USA. Morgan Kaufmann.

[Salim(1999)] Vivian Salim. 1999. Genetic algorithms in road investment planning with computational comparisons to simulated annealing and heuristics. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 808, Orlando, Florida, USA. Morgan Kaufmann.

[Salman et al.(1999)Salman, Mehrotra, and Mohan] Ayed A. Salman, Kishan Mehrotra, and Chilukuri K. Mohan. 1999. Linkage crossover for genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 564–571, Orlando, Florida, USA. Morgan Kaufmann.

[Salustowicz and Schmidhuber(1999)] Rafal P. Salustowicz and Jurgen Schmidhuber. 1999. Sequence learning through pipe and automatic task decomposition. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1184–1191, Orlando, Florida, USA. Morgan Kaufmann.

[Sarma and Jong(1999)] Jayshree Sarma and Kenneth De Jong. 1999. The behavior of spatially distributed evolutionary algorithms in non-stationary environments. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 572–578, Orlando, Florida, USA. Morgan Kaufmann.

[Sawai and Adachi(1999)] Hidefumi Sawai and Susumu Adachi. 1999. Parallel distributed processing of a parameter-free hierarchical migration methods. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 579–586, Orlando, Florida, USA. Morgan Kaufmann.

[Saxon and Barry(1999)] Shaun Saxon and Alwyn Barry. 1999. Xcs and the monk's problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 809, Orlando, Florida, USA. Morgan Kaufmann.

[Schleiffer and Sebastian(1999)] Ralf Schleiffer and Hans-Jurgen Sebastian. 1999. A fuzzy neighborhood based ga in fuzzy engineering design. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1797, Orlando, Florida, USA. Morgan Kaufmann.

[Senin et al.(1999)Senin, Wallace, and Borland] Nicola Senin, David R. Wallace, and Nick Borland. 1999. Object-based design modeling and optimization with genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1715–1722, Orlando, Florida, USA. Morgan Kaufmann.

[Seredynski and Janikow(1999)] Franciszek Seredynski and Cezary Z. Janikow. 1999. Designing cellular automata-based scheduling algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 587–594, Orlando, Florida, USA. Morgan Kaufmann.

[Shanahan et al.(1999)Shanahan, Baldwin, and Martin] James G. Shanahan, James F. Baldwin, and Trevor P. Martin. 1999. Constructive induction of fuzzy cartesian granule feature models using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1237, Orlando, Florida, USA. Morgan Kaufmann.

[Sharpe(1999a)] Oliver Sharpe. 1999a. Continuing beyond nfl: Dissecting real world problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 595–602, Orlando, Florida, USA. Morgan Kaufmann.

[Sharpe(1999b)] Oliver Sharpe. 1999b. Persistence, search and autopoiesis. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1374–1381, Orlando, Florida, USA. Morgan Kaufmann.

[Shimada and Anzai(1999)] Sotaro Shimada and Yuichiro Anzai. 1999. Fast and robust convergence of chained classifiers by generating operons through niche formation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 810, Orlando, Florida, USA. Morgan Kaufmann.

[Shimodaira(1999)] Hisashi Shimodaira. 1999. A diversity control oriented genetic algorithm (dcga): Development and experimental results. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 603–611, Orlando, Florida, USA. Morgan Kaufmann.

[Silva et al.(1999)Silva, Neves, and Costa] Arlindo Silva, Ana Neves, and Ernesto Costa. 1999. Genetically programming networks to evolve memory mechanisms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1448, Orlando, Florida, USA. Morgan Kaufmann.

[Simoes and Costa(1999)] Anabela Borges Simoes and Ernesto Costa. 1999. Transposition versus crossover: An empirical study. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 612–619, Orlando, Florida, USA. Morgan Kaufmann.

[Sinclair(1999)] Mark C. Sinclair. 1999. Optical mesh network topology design using node-pair encoding genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1192–1197, Orlando, Florida, USA. Morgan Kaufmann.

[Smith(1999)] Charles E. Smith. 1999. An application of genetic programming to investment system optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1798, Orlando, Florida, USA. Morgan Kaufmann.

[Someya and Yamamura(1999)] Hiroshi Someya and Masayuki Yamamura. 1999. A genetic algorithm without parameters tuning and its application on the floorplan design problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 620–627, Orlando, Florida, USA. Morgan Kaufmann.

[Song and Cho(1999)] Geum-Beom Song and Sung-Bae Cho. 1999. Adaptive behavior of incrementally evolved neural networks based on cellular automata. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1449, Orlando, Florida, USA. Morgan Kaufmann.

[Soule(1999)] Terence Soule. 1999. Voting teams: A cooperative approach to non-typical problems using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 916–922, Orlando, Florida, USA. Morgan Kaufmann.

[Spalanzani et al.(1999)Spalanzani, Selouani, and Kabre] A. Spalanzani, S. A. Selouani, and H. Kabre. 1999. Evolutionary algorithms for optimizing speech data projection. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1799, Orlando, Florida, USA. Morgan Kaufmann.

[Steinberg and Rasheed(1999)] Louis Steinberg and Khaled Rasheed. 1999. Optimization by searching a tree of populations. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1723–1730, Orlando, Florida, USA. Morgan Kaufmann.

[Stephens(1999)] C. R. Stephens. 1999. Effect of mutation and recombination on the genotype-phenotype map. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1382–1389, Orlando, Florida, USA. Morgan Kaufmann.

[Stewart and Rosin(1999)] Richard Stewart and Paul L. Rosin. 1999. Neural network construction using voronoi dissections. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 811, Orlando, Florida, USA. Morgan Kaufmann.

[Stoica et al.(1999)Stoica, Lazaro, Keymeulen, and Hayworth] Adrian Stoica, Carlos-Salazar Lazaro, Didier Keymeulen, and Ken Hayworth. 1999. Evolution of cmos circuits in simulations and directly in hardware on a programmable chip. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1198–1203, Orlando, Florida, USA. Morgan Kaufmann.

[Sturgill and Pant(1999)] David Sturgill and Gautam Pant. 1999. Evaluation criteria for genetically-tuned problem-solving experts. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1390–1397, Orlando, Florida, USA. Morgan Kaufmann.

[Sugai(1999)] Koji Sugai. 1999. Stochastic evolution on the hierarchical population. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 628–634, Orlando, Florida, USA. Morgan Kaufmann.

[Suzuki and Tanaka(1999)] Yasuhiro Suzuki and Hiroshi Tanaka. 1999. Practical and theoretical investigation of a collective work. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1450, Orlando, Florida, USA. Morgan Kaufmann.

[Swift and Liu(1999)] Stephen Swift and Xiaohui Liu. 1999. Modelling and forecasting of glaucomatous visual fields using genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1731–1737, Orlando, Florida, USA. Morgan Kaufmann.

[Takadama et al.(1999)Takadama, Terano, and Shimohara] Keiki Takadama, Takao Terano, and Katsunori Shimohara. 1999. How to design good learning agents in organization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1398–1405, Orlando, Florida, USA. Morgan Kaufmann.

[Takahashi et al.(1999)Takahashi, Murakawa, Toda, and Higuchi] Eiichi Takahashi, Masahiro Murakawa, Kenji Toda, and Tetsuya Higuchi. 1999. An evolvable-hardware-based clock timing architecture towards gigahz digital systems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1204–1210, Orlando, Florida, USA. Morgan Kaufmann.

[Terashima-Marin et al.(1999)Terashima-Marin, Ross, and Valenzuela-Rendon] Hugo Terashima-Marin, Peter Ross, and Manuel Valenzuela-Rendon. 1999. Evolution of constraint satisfaction strategies in examination timetabling. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 635–642, Orlando, Florida, USA. Morgan Kaufmann.

[Thierens(1999)] Dirk Thierens. 1999. Estimating the significant non-linearities in the genome problem-coding. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 643–648, Orlando, Florida, USA. Morgan Kaufmann.

[Tian et al.(1999)Tian, Sannomiya, and Yokokura] Yajie Tian, Nobuo Sannomiya, and Toru Yokokura. 1999. A simulation study on adaptive behavior of fish schools under environmental variation. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1451, Orlando, Florida, USA. Morgan Kaufmann.

[Todd and Sen(1999)] David S. Todd and Pratyush Sen. 1999. Directed multiple objective search of design spaces using genetic algorithms and neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1738–1743, Orlando, Florida, USA. Morgan Kaufmann.

[Tomlinson and Bull(1999)] Andy Tomlinson and Larry Bull. 1999. On corporate classifier systems: Increasing the benefits of rule linkage. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 649–656, Orlando, Florida, USA. Morgan Kaufmann.

[Trenaman(1999)] Adrian Trenaman. 1999. Further investigations into the evolution of agents with concurrent genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1452, Orlando, Florida, USA. Morgan Kaufmann.

[Tsutsui et al.(1999)Tsutsui, Yamamura, and Higuchi] Shigeyoshi Tsutsui, Masayuki Yamamura, and Takahide Higuchi. 1999. Multi-parent recombination with simplex crossover in real coded genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 657–664, Orlando, Florida, USA. Morgan Kaufmann.

[Tucker and Liu(1999)] Allan Tucker and Xiaohui Liu. 1999. Extending evolutionary programming methods to the learning of dynamic bayesian networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 923–929, Orlando, Florida, USA. Morgan Kaufmann.

[Uchibe et al.(1999)Uchibe, Nakamura, and Asada] Eiji Uchibe, Masateru Nakamura, and Minoru Asada. 1999. Cooperative and competitive behavior acquisition for mobile robots through co-evolution. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1406–1413, Orlando, Florida, USA. Morgan Kaufmann.

[Uno and Namatame(1999)] Kimitaka Uno and Akira Namatame. 1999. Evolutionary behaviors emerged through strategic interactions in the large. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1414–1421, Orlando, Florida, USA. Morgan Kaufmann.

[Valenzuela(1999)] Christine L. Valenzuela. 1999. Evolutionary divide and conquer (ii) for the tsp. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1744–1749, Orlando, Florida, USA. Morgan Kaufmann.

[Vallejo and Ramos(1999)] Edgar E. Vallejo and Fernando Ramos. 1999. Result-sharing: A framework for cooperation in genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1238, Orlando, Florida, USA. Morgan Kaufmann.

[Vekaria and Clack(1999)] Kanta Vekaria and Chris Clack. 1999. Biases introduced by adaptive recombination operators. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 670–677, Orlando, Florida, USA. Morgan Kaufmann.

[Voss and Foley(1999)] Mark S. Voss and Christopher M. Foley. 1999. Evolutionary algorithm for structural optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 678–685, Orlando, Florida, USA. Morgan Kaufmann.

[Vrajitoru(1999)] Dana Vrajitoru. 1999. Genetic programming operators applied to genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 686–693, Orlando, Florida, USA. Morgan Kaufmann.

[Vriend(1999)] Nicolaas J. Vriend. 1999. The difference between individual and population genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 812, Orlando, Florida, USA. Morgan Kaufmann.

[Wagner(1999)] Kyle Wagner. 1999. Habitat, communication and cooperative strategies. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 694–701, Orlando, Florida, USA. Morgan Kaufmann.

[Walker(1999)] Reginald L. Walker. 1999. Assessment of the web using genetic programming. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1750–1755, Orlando, Florida, USA. Morgan Kaufmann.

[Walker and Miglino(1999)] Richard Walker and Orazio Miglino. 1999. Simulating exploratory behavior in evolving neural networks. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1422–1428, Orlando, Florida, USA. Morgan Kaufmann.

[Walsh(1999)] Paul Walsh. 1999. A functional style and fitness evaluation scheme for inducting high level programs. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1211–1216, Orlando, Florida, USA. Morgan Kaufmann.

[Watabe and Kawaoka(1999)] Hirokazu Watabe and Tsukasa Kawaoka. 1999. Solving combinatorial optimization problems with multi-step genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 813, Orlando, Florida, USA. Morgan Kaufmann.

[Watson(1999)] Jean-Paul Watson. 1999. A performance assessment of modern niching methods for parameter optimization problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 702–709, Orlando, Florida, USA. Morgan Kaufmann.

[Watson and Pollack(1999)] Richard A. Watson and Jordan B. Pollack. 1999. Incremental commitment in genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 710–717, Orlando, Florida, USA. Morgan Kaufmann.

[Weiss(1999)] Gary M. Weiss. 1999. Timeweaver: a genetic algorithm for identifying predictive patterns in sequences of events. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 718–725, Orlando, Florida, USA. Morgan Kaufmann.

[White and Pagurek(1999)] Tony White and Bernard Pagurek. 1999. Application oriented routing with biologically-inspired agents. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1453, Orlando, Florida, USA. Morgan Kaufmann.

[Whitley(1999)] D. Whitley. 1999. A free lunch proof for gray versus binary encodings. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 726–733, Orlando, Florida, USA. Morgan Kaufmann.

[Williams and Williams(1999)] Kenneth P. Williams and Shirley A. Williams. 1999. Two evolutionary representations for automatic parallelization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1429–1436, Orlando, Florida, USA. Morgan Kaufmann.

[Wong et al.(1999)Wong, Yuryevich, and Li] Kit Po Wong, Jason Yuryevich, and An Li. 1999. Evolutionary programming based method for evaluation of power flow. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1756–1761, Orlando, Florida, USA. Morgan Kaufmann.

[Wood et al.(1999)Wood, Chen, Lemieux, and Cedeno] David Wood, Junghuei Chen, Eugene Antipov Bertrand Lemieux, and Walter Cedeno. 1999. A dna implementation of the max 1s problem. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1835–1842, Orlando, Florida, USA. Morgan Kaufmann.

[Wright and Zhao(1999)] Alden H. Wright and Yong Zhao. 1999. Markov chain models of genetic algorithms. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 734–741, Orlando, Florida, USA. Morgan Kaufmann.

[Yang et al.(1999a)Yang, Dasgupta, and Cao] Congjun Yang, Dipankar Dasgupta, and Yuehua Cao. 1999a. A group encoding technique for set partitioning problems. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 742–749, Orlando, Florida, USA. Morgan Kaufmann.

[Yang et al.(1999b)Yang, Tiyyagura, Chen, and Honavar] Jihoon Yang, Asok Tiyyagura, Fajun Chen, and Vasant Honavar. 1999b. Feature subset selection for rule induction using ripper. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, page 1800, Orlando, Florida, USA. Morgan Kaufmann.

[Yang and Kao(1999)] Jinn-Moon Yang and Cheng-Yan Kao. 1999. An evolutionary algorithm for continuous global optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 930–938, Orlando, Florida, USA. Morgan Kaufmann.

[Yen et al.(1999)Yen, Yang, Lee, and Liao] John Yen, Linyu Yang, Bogju Lee, and James C. Liao. 1999. A supervisory simplex-ga approach for metabolic model optimization. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 750–757, Orlando, Florida, USA. Morgan Kaufmann.

[Yoshimi and Taura(1999)] Takahiro Yoshimi and Toshiharu Taura. 1999. A computational model of a viewpoint-forming process in a hierarchical classifier system. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, pages 758–766, Orlando, Florida, USA. Morgan Kaufmann.

[Zahran et al.(1999)Zahran, Wahab, and Shaheen] Mohamed M. Zahran, Ashraf H. Abdel Wahab, and Samir I. Shaheen. 1999. Adaptive genetic algorithm for multiprocessor scheduling. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 1, page 814, Orlando, Florida, USA. Morgan Kaufmann.

[Zhang and Joung(1999)] Byoung-Tak Zhang and Je-Gun Joung. 1999. Genetic programming with incremental data inheritance. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1217–1224, Orlando, Florida, USA. Morgan Kaufmann.

[Zitzler et al.(1999)Zitzler, Teich, and Bhattacharyya] Eckart Zitzler, Jurgen Teich, and Shuvra S. Bhattacharyya. 1999. Evolutionary algorithm based exploration of software schedules for digital signal processors. In *Proceedings of the Genetic and Evolutionary Computation Conference*, volume 2, pages 1762–1770, Orlando, Florida, USA. Morgan Kaufmann.