

Список литературы

- [Abbattista *et al.*(1999)Abbattista, Carofiglio & Koppen] Abbattista, F., Carofiglio, V. & Koppen, M. (1999) Scout algorithms and genetic algorithms: A comparative study. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 769, Morgan Kaufmann, Orlando, Florida, USA.
- [Adamopoulos *et al.*(1999)Adamopoulos, Georgopoulos, Likothanassis & Anninos] Adamopoulos, A.V., Georgopoulos, E.F., Likothanassis, S.D. & Anninos, P.A. (1999) Forecasting the magnetoencephalogram (meg) of epileptic patients using genetically optimized neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1457–1462, Morgan Kaufmann, Orlando, Florida, USA.
- [Agapie(1999)] Agapie, A. (1999) Random systems with complete connections. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 770, Morgan Kaufmann, Orlando, Florida, USA.
- [Aguilar & Miranda(1999)] Aguilar, J. & Miranda, P. (1999) Approaches based on genetic algorithms for multiobjective optimization problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 3–10, Morgan Kaufmann, Orlando, Florida, USA.
- [Aguilar *et al.*(1999)Aguilar, Riquelme & Toro] Aguilar, J., Riquelme, J. & Toro, M. (1999) Three geometric approaches for representing decision rules in a supervised learning system. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 771, Morgan Kaufmann, Orlando, Florida, USA.
- [Aguirre *et al.*(1999)Aguirre, Tanaka & Sugimura] Aguirre, H.E., Tanaka, K. & Sugimura, T. (1999) Cooperative crossover and mutation operators in genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 772, Morgan Kaufmann, Orlando, Florida, USA.
- [Ahluwalia & Bull(1999a)] Ahluwalia, M. & Bull, L. (1999a) Coevolving functions in genetic programming: Classification using k-nearest-neighbour. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 947–952, Morgan Kaufmann, Orlando, Florida, USA.
- [Ahluwalia & Bull(1999b)] Ahluwalia, M. & Bull, L. (1999b) A genetic programming-based classifier system. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 11–18, Morgan Kaufmann, Orlando, Florida, USA.
- [Alba *et al.*(1999)Alba, Cotta & Troya] Alba, E., Cotta, C. & Troya, J.M. (1999) Entropic and real-time analysis of the search with panmictic, structured, and parallel distributed genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 773, Morgan Kaufmann, Orlando, Florida, USA.
- [Aparicio *et al.*(1999)Aparicio, Correia & Moura-Pires] Aparicio, J.N., Correia, L. & Moura-Pires, F. (1999) Populations are multisets-plato. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1845–1850, Morgan Kaufmann, Orlando, Florida, USA.

- [Bael *et al.*(1999)Bael, Devogelaere & Rijckaert] Bael, P.V., Devogelaere, D. & Rijckaert, M. (1999) The job shop problem solved with simple, basic evolutionary search elements. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 665–669, Morgan Kaufmann, Orlando, Florida, USA.
- [Bagnall & Smith(1999)] Bagnall, A.J. & Smith, G.D. (1999) Using an adaptive agent to bid in a simplified model of the uk market in electricity. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 774, Morgan Kaufmann, Orlando, Florida, USA.
- [Barry(1999a)] Barry, A. (1999a) Aliasing in xcs and the consecutive state problem: 1 - effects. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 19–26, Morgan Kaufmann, Orlando, Florida, USA.
- [Barry(1999b)] Barry, A. (1999b) Aliasing in xcs and the consecutive state problem: 2 - solutions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 27–34, Morgan Kaufmann, Orlando, Florida, USA.
- [Battle *et al.*(1999)Battle, Homaifar, Tunstel & Dozier] Battle, D., Homaifar, A., Tunstel, E. & Dozier, G. (1999) Genetic programming of full knowledge bases for fuzzy logic controllers. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1463–1468, Morgan Kaufmann, Orlando, Florida, USA.
- [Beck & Parmee(1999)] Beck, M.A. & Parmee, I.C. (1999) Extending the bounds of the search space: A multi-population approach. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1469–1476, Morgan Kaufmann, Orlando, Florida, USA.
- [Beligiannis *et al.*(1999)Beligiannis, Demiris & Likothanassis] Beligiannis, G.N., Demiris, E.N. & Likothanassis, S.D. (1999) Evolutionary multimodel partitioning filters for nonlinear systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1227, Morgan Kaufmann, Orlando, Florida, USA.
- [Bentley & Kumar(1999)] Bentley, P. & Kumar, S. (1999) Three ways to grow designs: A comparison of embryogenies for an evolutionary design problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 35–43, Morgan Kaufmann, Orlando, Florida, USA.
- [Berger *et al.*(1999)Berger, Sassi & Salois] Berger, J., Sassi, M. & Salois, M. (1999) A hybrid genetic algorithm for the vehicle routing problem with time windows and itinerary constraints. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 44–51, Morgan Kaufmann, Orlando, Florida, USA.
- [Best(1999)] Best, M.L. (1999) Coevolving mutualists guide simulated evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 941, Morgan Kaufmann, Orlando, Florida, USA.
- [Beyer & Arnold(1999)] Beyer, H.G. & Arnold, D.V. (1999) Fitness noise and localization errors of the optimum in general quadratic fitness models. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 817–824, Morgan Kaufmann, Orlando, Florida, USA.

- [Boettcher & Percus(1999)] Boettcher, S. & Percus, A.G. (1999) Extremal optimization: Methods derived from co-evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 825–832, Morgan Kaufmann, Orlando, Florida, USA.
- [Bojarczuk *et al.*(1999)Bojarczuk, Lopes & Freitas] Bojarczuk, C.C., Lopes, H.S. & Freitas, A.A. (1999) Discovering comprehensible classification rules by using genetic programming: a case study in a medical domain. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 953–958, Morgan Kaufmann, Orlando, Florida, USA.
- [Bonarini(1999)] Bonarini, A. (1999) Comparing reinforcement learning algorithms applied to crisp and fuzzy learning classifier systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 52–59, Morgan Kaufmann, Orlando, Florida, USA.
- [Bonham & Parmee(1999)] Bonham, C.R. & Parmee, I.C. (1999) An investigation of exploration and exploitation within cluster oriented genetic algorithms (cogas). *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1491–1497, Morgan Kaufmann, Orlando, Florida, USA.
- [Bosman & Thierens(1999)] Bosman, P.A.N. & Thierens, D. (1999) Linkage information processing in distribution estimation algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 60–67, Morgan Kaufmann, Orlando, Florida, USA.
- [Brameier *et al.*(1999)Brameier, Hoffmann, Nordin, Banzhaf & Francone] Brameier, M., Hoffmann, F., Nordin, P., Banzhaf, W. & Francone, F. (1999) Parallel machine code genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1228, Morgan Kaufmann, Orlando, Florida, USA.
- [Branke *et al.*(1999)Branke, Cutaia & Dold] Branke, J., Cutaia, M. & Dold, H. (1999) Reducing genetic drift in steady state evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 68–74, Morgan Kaufmann, Orlando, Florida, USA.
- [Brizuela & Sannomiya(1999)] Brizuela, C.A. & Sannomiya, N. (1999) A diversity study in genetic algorithms for job shop scheduling problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 75–82, Morgan Kaufmann, Orlando, Florida, USA.
- [Bull(1999)] Bull, L. (1999) On using zcs in a simulated continuous double-auction market. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 83–90, Morgan Kaufmann, Orlando, Florida, USA.
- [Calderoni(1999)] Calderoni, S. (1999) Behavior-based control system in multiagent domain. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1439, Morgan Kaufmann, Orlando, Florida, USA.
- [Cangelosi(1999)] Cangelosi, A. (1999) Heterochrony and adaptation in developing neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1241–1248, Morgan Kaufmann, Orlando, Florida, USA.
- [Cantu-Paz(1999a)] Cantu-Paz, E. (1999a) Migration policies and takeover times in genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 775, Morgan Kaufmann, Orlando, Florida, USA.

- [Cantu-Paz(1999b)] Cantu-Paz, E. (1999b) Topologies, migration rates, and multi-population parallel genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 91–98, Morgan Kaufmann, Orlando, Florida, USA.
- [Cao *et al.*(1999a)Cao, Kang & Chen] Cao, H., Kang, L. & Chen, Y. (1999a) Evolutionary modeling of ordinary differential equations for dynamic systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 959–965, Morgan Kaufmann, Orlando, Florida, USA.
- [Cao & (Francis)(1999)] Cao, L. & (Francis), T.E.H. (1999) Neuro-genetic based method to the classification of acupuncture needle: A case study. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 99–105, Morgan Kaufmann, Orlando, Florida, USA.
- [Cao *et al.*(1999b)Cao, (Francis), Lawrence & Yeong] Cao, L., (Francis), T.E.H., Lawrence, M. & Yeong, W.C. (1999b) Classification of the market states using neural network. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 776, Morgan Kaufmann, Orlando, Florida, USA.
- [Castillo *et al.*(1999)Castillo, Rivas, Merelo, Gonzalez, Prieto & Romero] Castillo, P.A., Rivas, V., Merelo, J.J., Gonzalez, J., Prieto, A. & Romero, G. (1999) G-prop-iii: Global optimization of multilayer perceptrons using an evolutionary algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 942, Morgan Kaufmann, Orlando, Florida, USA.
- [Cattal *et al.*(1999)Cattal, Oppacher & Deugo] Cattal, R., Oppacher, F. & Deugo, D. (1999) Rule acquisition with a genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 778, Morgan Kaufmann, Orlando, Florida, USA.
- [Chan *et al.*(1999)Chan, Ngan & Rad] Chan, Z.S.H., Ngan, H.W. & Rad, A.B. (1999) Minimum-allele-reserve-keeper (mark): A fast and effective mutation scheme for genetic algorithm (ga). *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 106–113, Morgan Kaufmann, Orlando, Florida, USA.
- [Chen *et al.*(1999a)Chen, Guerra-Salcedo & Smith] Chen, S., Guerra-Salcedo, C. & Smith, S.F. (1999a) Non-standard crossover for a standard representation – commonality-based feature subset selection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 129–134, Morgan Kaufmann, Orlando, Florida, USA.
- [Chen & Smith(1999a)] Chen, S. & Smith, S.F. (1999a) Improving genetic algorithms by search space reductions (with applications to flow shop scheduling). *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 135–140, Morgan Kaufmann, Orlando, Florida, USA.
- [Chen & Smith(1999b)] Chen, S. & Smith, S.F. (1999b) Introducing a new advantage of crossover: Commonality-based selection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 122–128, Morgan Kaufmann, Orlando, Florida, USA.
- [Chen & Kuo(1999)] Chen, S.H. & Kuo, T.W. (1999) Towards an agent-based foundation of financial econometrics: An approach based on genetic-programming artificial markets. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 966, Morgan Kaufmann, Orlando, Florida, USA.

- [Chen *et al.*(1999b)Chen, Lin & Tsao] Chen, S.H., Lin, W.Y. & Tsao, C.I. (1999b) Genetic algorithms, trading strategies and stochastic processes: Some new evidence from monte carlo simulations. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 114–121, Morgan Kaufmann, Orlando, Florida, USA.
- [Chikara & Masayasu(1999)] Chikara, M. & Masayasu, A. (1999) Collaborative learning agents with structural classifier systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 777, Morgan Kaufmann, Orlando, Florida, USA.
- [Chong & Langdon(1999)] Chong, F.S. & Langdon, W.B. (1999) Java based distributed genetic programming on the internet. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1229, Morgan Kaufmann, Orlando, Florida, USA.
- [Chu *et al.*(1999)Chu, Premkumar, Chou & Sun] Chu, C.H., Premkumar, G., Chou, C. & Sun, J. (1999) Dynamic degree constrained network design: A genetic algorithm approach. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 141–148, Morgan Kaufmann, Orlando, Florida, USA.
- [Coletti *et al.*(1999)Coletti, Lash, Michalski, Mandsager & Moustafa] Coletti, M., Lash, T.D., Michalski, R., Mandsager, C. & Moustafa, R. (1999) Comparing performance of the learnable evolution model and genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 779, Morgan Kaufmann, Orlando, Florida, USA.
- [Collet *et al.*(1999)Collet, Lutton, Raynal & Schoenauer] Collet, P., Lutton, E., Raynal, F. & Schoenauer, M. (1999) Individual gp: an alternative viewpoint for the resolution of complex problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 974–981, Morgan Kaufmann, Orlando, Florida, USA.
- [Collins & Ryan(1999)] Collins, J.J. & Ryan, C. (1999) Non-stationary function optimization using polygenic inheritance. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 781, Morgan Kaufmann, Orlando, Florida, USA.
- [Collins *et al.*(1999)Collins, Sheehan & Casey] Collins, J.J., Sheehan, L. & Casey, C. (1999) Genetic planner for a mobile robot navigation system. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 782, Morgan Kaufmann, Orlando, Florida, USA.
- [Collins(1999)] Collins, T.D. (1999) A comparison of search space visualization techniques. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 780, Morgan Kaufmann, Orlando, Florida, USA.
- [Corney & Parmee(1999)] Corney, D. & Parmee, I. (1999) N-dimensional surface mapping using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1230, Morgan Kaufmann, Orlando, Florida, USA.
- [Costa & Oliveira(1999)] Costa, L. & Oliveira, P. (1999) Gas in global optimization of mixed integer non-linear problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1773, Morgan Kaufmann, Orlando, Florida, USA.

- [Cotta *et al.*(1999)Cotta, Alba & Troya] Cotta, C., Alba, E. & Troya, J.M. (1999) Improving the scalability of dynastically optimal forma recombination by tuning the granularity of the representation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 783, Morgan Kaufmann, Orlando, Florida, USA.
- [Crawford *et al.*(1999)Crawford, McCormack & MacAllister] Crawford, K.D., McCormack, M.D. & MacAllister, D.J. (1999) Modified gradient techniques for normalized solution vectors. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1498–1503, Morgan Kaufmann, Orlando, Florida, USA.
- [Cvetkovic & Parmee(1999)] Cvetkovic, D. & Parmee, I.C. (1999) Use of preferences for ga-based multi-objective optimisation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1504–1509, Morgan Kaufmann, Orlando, Florida, USA.
- [Daida *et al.*(1999a)Daida, Ampy, Ratanasavetavadhana, Li & Chaudhri] Daida, J.M., Ampy, D.S., Ratanasavetavadhana, M., Li, H. & Chaudhri, O.A. (1999a) Challenges with verification, repeatability, and meaningful comparison in genetic programming: Gibson’s magic. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1851–1858, Morgan Kaufmann, Orlando, Florida, USA.
- [Daida *et al.*(1999b)Daida, Polito, Stanhope, Bertram, Khoo & Chaudhary] Daida, J.M., Polito, J.A., Stanhope, S.A., Bertram, R.R., Khoo, J.C. & Chaudhary, S.A. (1999b) What makes a problem gp-hard? analysis of a tunably difficult problem in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 982–989, Morgan Kaufmann, Orlando, Florida, USA.
- [Dasgupta *et al.*(1999)Dasgupta, Cao & Yang] Dasgupta, D., Cao, Y. & Yang, C. (1999) An immunogenetic approach to spectra recognition. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 149–155, Morgan Kaufmann, Orlando, Florida, USA.
- [Davenport *et al.*(1999)Davenport, Ryan & Rayward-Smith] Davenport, G.F., Ryan, M.D. & Rayward-Smith, V.J. (1999) Rule induction using a reverse polish representation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 990–995, Morgan Kaufmann, Orlando, Florida, USA.
- [de Garis *et al.*(1999)de Garis, Buller, Korkin, Gers, Nawa & Hough] de Garis, H., Buller, A., Korkin, M., Gers, F., Nawa, N.E. & Hough, M. (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. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1233, Morgan Kaufmann, Orlando, Florida, USA.
- [Deaton(1999)] Deaton, R. (1999) Reaction temperature constraints in dna computing. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1803–1804, Morgan Kaufmann, Orlando, Florida, USA.
- [Deb(1999)] Deb, K. (1999) Construction of test problems for multi-objective optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 164–171, Morgan Kaufmann, Orlando, Florida, USA.

- [Deb & Beyer(1999)] Deb, K. & Beyer, H.G. (1999) Self-adaptation in real-parameter genetic algorithms with simulated binary crossover. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 172–179, Morgan Kaufmann, Orlando, Florida, USA.
- [Delgado *et al.*(1999)] Delgado, Zuben & Gomide] Delgado, M., Zuben, F.V. & Gomide, F. (1999) Modular and hierarchial evolutionary design of fuzzy systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 180–187, Morgan Kaufmann, Orlando, Florida, USA.
- [Desjarlais *et al.*(1999)] Desjarlais, Akbarzadeh-T. & Wright] Desjarlais, L.M., Akbarzadeh-T., M.R. & Wright, C.W. (1999) Control system optimization using genetic algorithms within the softlab toolkit. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1774, Morgan Kaufmann, Orlando, Florida, USA.
- [Dessi *et al.*(1999)] Dessi, Giani & Starita] Dessi, A., Giani, A. & Starita, A. (1999) An analysis of automatic subroutine discovery in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 996–1001, Morgan Kaufmann, Orlando, Florida, USA.
- [Digby & Seffens(1999)] Digby, D. & Seffens, W. (1999) Evolutionary algorithm analysis of the biological genetic codes. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1440, Morgan Kaufmann, Orlando, Florida, USA.
- [Dimopoulos & Zalzala(1999)] Dimopoulos, C. & Zalzala, A.M. (1999) Evolving scheduling policies through a genetic programming framework. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1231, Morgan Kaufmann, Orlando, Florida, USA.
- [Dittrich *et al.*(1999)] Dittrich, Skusa, Kantschik & Banzhaf] Dittrich, P., Skusa, A., Kantschik, W. & Banzhaf, W. (1999) Dynamical properties of the fitness landscape of a gp controlled random morphology robot. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1002–1008, Morgan Kaufmann, Orlando, Florida, USA.
- [Droste *et al.*(1999)] Droste, Jansen & Wegener] Droste, S., Jansen, T. & Wegener, I. (1999) Perhaps not a free lunch but at least a free appetizer. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 833–839, Morgan Kaufmann, Orlando, Florida, USA.
- [Dupas *et al.*(1999)] Dupas, Cavory & Goncalves] Dupas, R., Cavory, G. & Goncalves, G. (1999) Real-world applications. optimising the throughput of a manufacturing production line using a genetic algortihm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1775, Morgan Kaufmann, Orlando, Florida, USA.
- [East(1999)] East, E.W. (1999) Infrastructure work order planning using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1510–1516, Morgan Kaufmann, Orlando, Florida, USA.
- [Ebner & Zell(1999)] Ebner, M. & Zell, A. (1999) Evolving a behavior-based control architecture from simulations to the real world. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1009–1014, Morgan Kaufmann, Orlando, Florida, USA.

- [Edelson & Gargano(1999)] Edelson, W. & Gargano, M.L. (1999) Efficient calculation of compute-intensive fitness in genetic computations using a survival indicator for population members. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 784, Morgan Kaufmann, Orlando, Florida, USA.
- [Eiben *et al.*(1999)] Eiben, A.E., Elia, D. & van Hemert, J.I. (1999) Population dynamics and emerging mental features in aegis. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1257–1264, Morgan Kaufmann, Orlando, Florida, USA.
- [El-Beltagy *et al.*(1999)] El-Beltagy, M.A., Nair, P.B. & Keane, A.J. (1999) Metamodeling techniques for evolutionary optimization of computationally expensive problems: Promises and limitations. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 196–203, Morgan Kaufmann, Orlando, Florida, USA.
- [Eldershaw & Cameron(1999)] Eldershaw, C. & Cameron, S. (1999) Real-world applications: Motion planning using gas. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1776, Morgan Kaufmann, Orlando, Florida, USA.
- [Evelt *et al.*(1999)] Evelt, M., Khoshgoftaar, T., der Chien, P. & Allen, E. (1999) Modelling software quality with gp. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1232, Morgan Kaufmann, Orlando, Florida, USA.
- [Falco *et al.*(1999)] Falco, I.D., Iazzetta, A., Tarantino, E., Cioppa, A.D. & Iacuellì, A. (1999) Towards a simulation of natural mutation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 156–163, Morgan Kaufmann, Orlando, Florida, USA.
- [Federman *et al.*(1999)] Federman, F., Sparkman, G. & Watt, S. (1999) Representation of music in a learning classifier system utilizing bach chorales. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 785, Morgan Kaufmann, Orlando, Florida, USA.
- [Fernandes *et al.*(1999)] Fernandes, C., Caldeira, J.P., Melicio, F. & Rosa, A. (1999) Evolutionary algorithm for school timetabling. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1777, Morgan Kaufmann, Orlando, Florida, USA.
- [Fernandez Jr. & Walker(1999)] Fernandez Jr., J.J. & Walker, I.D. (1999) A biologically inspired fitness function for robotic grasping. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1517–1522, Morgan Kaufmann, Orlando, Florida, USA.
- [Folino *et al.*(1999)] Folino, G., Pizzuti, C. & Spezzano, G. (1999) A cellular genetic programming approach to classification. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1015–1020, Morgan Kaufmann, Orlando, Florida, USA.
- [Francone *et al.*(1999)] Francone, F.D., Conrads, M., Banzhaf, W. & Nordin, P. (1999) Homologous crossover in genetic programming. *Proceedings of the*

- Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1021–1026, Morgan Kaufmann, Orlando, Florida, USA.
- [Fuchs(1999)] Fuchs, M. (1999) Large populations are not always the best choice in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1033–1038, Morgan Kaufmann, Orlando, Florida, USA.
- [Fuchs *et al.*(1999)] Fuchs, Fuchs & Fuchs] Fuchs, M., Fuchs, D. & Fuchs, M. (1999) Generating lemmas for tableau-based proof search using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1027–1032, Morgan Kaufmann, Orlando, Florida, USA.
- [Fukunaga(1999)] Fukunaga, A.S. (1999) Portfolios of genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 786, Morgan Kaufmann, Orlando, Florida, USA.
- [Fukuyama *et al.*(1999)] Fukuyama, Takayama, Nakanishi & Yoshida] Fukuyama, Y., Takayama, S., Nakanishi, Y. & Yoshida, H. (1999) A particle swarm optimization for reactive power and voltage control in electric power systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1523–1528, Morgan Kaufmann, Orlando, Florida, USA.
- [Furutani(1999)] Furutani, H. (1999) Analytical solutions for infinite population genetic algorithms on multiplicative landscape. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 204–211, Morgan Kaufmann, Orlando, Florida, USA.
- [Gaivoronski(1999)] Gaivoronski, A.A. (1999) Modeling of complex economic systems with agent nets. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1265–1272, Morgan Kaufmann, Orlando, Florida, USA.
- [Gallagher & Beer(1999)] Gallagher, J.C. & Beer, R.D. (1999) Evolution and analysis of dynamical neural networks for agents integrating vision, locomotion, and short-term memory. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1273–1280, Morgan Kaufmann, Orlando, Florida, USA.
- [Gallagher *et al.*(1999)] Gallagher, Frean & Downs] Gallagher, M., Frean, M. & Downs, T. (1999) Real-valued evolutionary optimization using a flexible probability density estimator. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 840–846, Morgan Kaufmann, Orlando, Florida, USA.
- [Garzon *et al.*(1999)] Garzon, Deaton & Barnes] Garzon, M.H., Deaton, R.J. & Barnes, K. (1999) On self-assembling graphs in vitro. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1805–1809, Morgan Kaufmann, Orlando, Florida, USA.
- [Ghanea-Hercock *et al.*(1999)] Ghanea-Hercock, Ndumu & Collis] Ghanea-Hercock, R., Ndumu, D.T. & Collis, J. (1999) Distributed genetic programming with mobile agents. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1441, Morgan Kaufmann, Orlando, Florida, USA.

- [Glickman & Sycara(1999)] Glickman, M.R. & Sycara, K. (1999) Evolution of goal-directed behavior from limited information in a complex environment. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1281–1288, Morgan Kaufmann, Orlando, Florida, USA.
- [Goldberg(1999)] Goldberg, D.E. (1999) Using time efficiently: Genetic-evolutionary algorithms and the continuation problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 212–219, Morgan Kaufmann, Orlando, Florida, USA.
- [Goldberg & Voessner(1999)] Goldberg, D.E. & Voessner, S. (1999) Optimizing global-local search hybrids. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 220–228, Morgan Kaufmann, Orlando, Florida, USA.
- [Golovkin *et al.*(1999)Golovkin, Mancini & Louis] Golovkin, I.E., Mancini, R.C. & Louis, S.J. (1999) Plasma x-ray spectra analysis using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1529–1534, Morgan Kaufmann, Orlando, Florida, USA.
- [Gordillo *et al.*(1999)Gordillo, Alcala & Aracil] Gordillo, F., Alcala, I. & Aracil, J. (1999) A tool for solving differential games with co-evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1535–1542, Morgan Kaufmann, Orlando, Florida, USA.
- [Gordon *et al.*(1999)Gordon, Pirie, Wachter & Sharp] Gordon, V.S., Pirie, R., Wachter, A. & Sharp, S. (1999) Terrain-based genetic algorithm (tbga): Modeling parameter space as terrain. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 229–235, Morgan Kaufmann, Orlando, Florida, USA.
- [Gorges-Schleuter(1999)] Gorges-Schleuter, M. (1999) An analysis of local selection in evolution strategies. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 847–854, Morgan Kaufmann, Orlando, Florida, USA.
- [Gottlieb(1999)] Gottlieb, J. (1999) Evolutionary algorithms for multidimensional knapsack problems: the relevance of the boundary of the feasible region. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 787, Morgan Kaufmann, Orlando, Florida, USA.
- [Gronroos(1999)] Gronroos, M. (1999) A comparison of some methods for evolving neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1442, Morgan Kaufmann, Orlando, Florida, USA.
- [Guerra-Salcedo & Whitley(1999)] Guerra-Salcedo, C. & Whitley, D. (1999) Genetic approach to feature selection for ensemble creation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 236–243, Morgan Kaufmann, Orlando, Florida, USA.
- [Guigue *et al.*(1999)Guigue, Oussedik & Delahaye] Guigue, A., Oussedik, S. & Delahaye, D. (1999) Sequencing aircraft landings by genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 788, Morgan Kaufmann, Orlando, Florida, USA.
- [Hackworth(1999)] Hackworth, T. (1999) India and pakistan, a classic “richardson” arms race: A genetic algorithmic approach. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1543–1550, Morgan Kaufmann, Orlando, Florida, USA.

- [Haith *et al.*(1999)Haith, Colombano, Lohn & Stassinopoulos] Haith, G.L., Colombano, S.P., Lohn, J.D. & Stassinopoulos, D. (1999) Coevolution for problem simplification. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 244–251, Morgan Kaufmann, Orlando, Florida, USA.
- [Handa *et al.*(1999)Handa, Katai, Konishi & Baba] Handa, H., Katai, O., Konishi, T. & Baba, M. (1999) Coevolutionary genetic algorithms for solving dynamic constraint satisfaction problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 252–257, Morgan Kaufmann, Orlando, Florida, USA.
- [Hara & Nagao(1999)] Hara, A. & Nagao, T. (1999) Emergence of the cooperative behavior using adg; automatically defined groups. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1039–1046, Morgan Kaufmann, Orlando, Florida, USA.
- [Harik & Lobo(1999)] Harik, G.R. & Lobo, F.G. (1999) A parameter-less genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 258–265, Morgan Kaufmann, Orlando, Florida, USA.
- [Harrell & Ranjithan(1999)] Harrell, L.J. & Ranjithan, S.R. (1999) Evaluation of alternative penalty function implementations in a watershed management design problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1551–1558, Morgan Kaufmann, Orlando, Florida, USA.
- [Harris *et al.*(1999a)Harris, Elliott, Ingham, Pourkashanian & Wilson] Harris, S.D., Elliott, L., Ingham, D.B., Pourkashanian, M. & Wilson, C.W. (1999a) The retrieval of chemical reaction rates using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1780, Morgan Kaufmann, Orlando, Florida, USA.
- [Harris *et al.*(1999b)Harris, Mustata, Elliott, Ingham & Lesnic] Harris, S.D., Mustata, R., Elliott, L., Ingham, D.B. & Lesnic, D. (1999b) Parameter identification within rocks using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1779, Morgan Kaufmann, Orlando, Florida, USA.
- [Hart & Ross(1999)] Hart, E. & Ross, P. (1999) An immune system approach to scheduling in changing environments. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1559–1566, Morgan Kaufmann, Orlando, Florida, USA.
- [Hart(1999)] Hart, W.E. (1999) Comparing evolutionary programs and evolutionary pattern search algorithms: A drug docking application. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 855–862, Morgan Kaufmann, Orlando, Florida, USA.
- [Hartley(1999)] Hartley, A.R. (1999) Accuracy-based fitness allows similar performance to humans in static and dynamic classification environments. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 266–273, Morgan Kaufmann, Orlando, Florida, USA.
- [Harvey *et al.*(1999)Harvey, Foster & Frincke] Harvey, B., Foster, J. & Frincke, D. (1999) Towards byte code genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1234, Morgan Kaufmann, Orlando, Florida, USA.

- [Harvey & Pettey(1999)] Harvey, K.B. & Pettey, C.C. (1999) The outlaw method for solving multimodal functions with split ring parallel genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 274–280, Morgan Kaufmann, Orlando, Florida, USA.
- [Heckendorn *et al.*(1999)Heckendorn, Rana & Whitley] Heckendorn, R.B., Rana, S. & Whitley, D. (1999) Polynomial time summary statistics for a generalization of maxsat. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 281–288, Morgan Kaufmann, Orlando, Florida, USA.
- [Helmer *et al.*(1999)Helmer, Wong, Honavar & Miller] Helmer, G., Wong, J., Honavar, V. & Miller, L. (1999) Feature selection using a genetic algorithm for intrusion detection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1781, Morgan Kaufmann, Orlando, Florida, USA.
- [Hernandez *et al.*(1999)Hernandez, Goldstein & Niao] Hernandez, G., Goldstein, J.A. & Niao, F. (1999) Stochastic differential model for evolutionary algorithms over continuous spaces. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 863–870, Morgan Kaufmann, Orlando, Florida, USA.
- [Hinchliffe *et al.*(1999)Hinchliffe, Willis & Tham] Hinchliffe, M., Willis, M. & Tham, M. (1999) Dynamic chemical process modelling using a multiple basis function genetic programming algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1782, Morgan Kaufmann, Orlando, Florida, USA.
- [Ho & Chang(1999)] Ho, S.Y. & Chang, X.I. (1999) An efficient generalized multiobjective evolutionary algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 871–878, Morgan Kaufmann, Orlando, Florida, USA.
- [Ho *et al.*(1999a)Ho, Chen & Shu] Ho, S.Y., Chen, H.M. & Shu, L.S. (1999a) Solving large knowledge base partitioning problems using an intelligent genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1567–1572, Morgan Kaufmann, Orlando, Florida, USA.
- [Ho *et al.*(1999b)Ho, Shu & Chen] Ho, S.Y., Shu, L.S. & Chen, H.M. (1999b) Intelligent genetic algorithm with a new intelligent crossover using orthogonal arrays. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 289–296, Morgan Kaufmann, Orlando, Florida, USA.
- [Hoehn & Pettey(1999)] Hoehn, T.P. & Pettey, C.C. (1999) Parental and cyclic-rate mutation in genetic algorithms: An initial investigation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 297–304, Morgan Kaufmann, Orlando, Florida, USA.
- [Hofmeyr & Forrest(1999)] Hofmeyr, S.A. & Forrest, S. (1999) Immunity by design: An artificial immune system. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1289–1296, Morgan Kaufmann, Orlando, Florida, USA.
- [Holmes(1999)] Holmes, J.H. (1999) Evaluating learning classifier system performance in two-choice decision tasks: An lcs metric toolkit. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 789, Morgan Kaufmann, Orlando, Florida, USA.

- [Hong *et al.*(1999)Hong, Wang & Chen] Hong, T.P., Wang, H.S. & Chen, W.C. (1999) Simultaneously applying multiple crossover and mutation operators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 790, Morgan Kaufmann, Orlando, Florida, USA.
- [Horn(1999)] Horn, J. (1999) Controlling the cooperative-competitive boundary in niched genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 305–312, Morgan Kaufmann, Orlando, Florida, USA.
- [Hornby *et al.*(1999)Hornby, Fujita, Takamura, Yamamoto & Hanagata] Hornby, G.S., Fujita, M., Takamura, S., Yamamoto, T. & Hanagata, O. (1999) Autonomous evolution of gaits with the sony quadruped robot. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1297–1304, Morgan Kaufmann, Orlando, Florida, USA.
- [Hornby & Mirtich(1999)] Hornby, G.S. & Mirtich, B. (1999) Diffuse versus true coevolution in a physics-based world. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1305–1312, Morgan Kaufmann, Orlando, Florida, USA.
- [Howard & Roberts(1999)] Howard, D. & Roberts, S.C. (1999) A staged genetic programming strategy for image analysis. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1047–1052, Morgan Kaufmann, Orlando, Florida, USA.
- [Hsu *et al.*(1999)Hsu, Pottenger, Welge, Wu & Yang] Hsu, W.H., Pottenger, W.M., Welge, M., Wu, J. & Yang, T.H. (1999) Genetic algorithms for attribute synthesis in large-scale data mining. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1783, Morgan Kaufmann, Orlando, Florida, USA.
- [Huang *et al.*(1999)Huang, Yang, Shen & Horng] Huang, H.D., Yang, J.T., Shen, S.F. & Horng, J.T. (1999) An evolution strategy to solve sports scheduling problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 943, Morgan Kaufmann, Orlando, Florida, USA.
- [i Fabrega & i Guiu(1999)] i Fabrega, F.X.L. & i Guiu, J.M.G. (1999) Genifer: A nearest neighbour based classifier system using ga. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 797, Morgan Kaufmann, Orlando, Florida, USA.
- [Iba(1999)] Iba, H. (1999) Bagging, boosting, and bloating in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1053–1060, Morgan Kaufmann, Orlando, Florida, USA.
- [Igel & Chellapilla(1999)] Igel, C. & Chellapilla, K. (1999) Investigating the influence of depth and degree of genotypic change on fitness in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1061–1068, Morgan Kaufmann, Orlando, Florida, USA.
- [III *et al.*(1999a)III, Koza, Keane, Yu, Mydlowec & Stiffelman] III, F.H.B., Koza, J.R., Keane, M.A., Yu, J., Mydlowec, W. & Stiffelman, O. (1999a) Evolution by means of genetic programming of analog circuits that perform digital functions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1477–1483, Morgan Kaufmann, Orlando, Florida, USA.

- [III *et al.*(1999b)III, Koza, Shipman & Stiffelman] III, F.H.B., Koza, J.R., Shipman, J. & Stiffelman, O. (1999b) Building a parallel computer system for \$18,000 that performs a half peta-flop per day. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1484–1490, Morgan Kaufmann, Orlando, Florida, USA.
- [III(1999)] III, H.B.C. (1999) Aircraft maneuvering via genetics-based adaptive agent. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1249–1256, Morgan Kaufmann, Orlando, Florida, USA.
- [Iima & Sannomiya(1999)] Iima, H. & Sannomiya, N. (1999) Genetic algorithm for a large-scale scheduling problem in an electric wire production process. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1784, Morgan Kaufmann, Orlando, Florida, USA.
- [Jelasity(1999)] Jelasity, M. (1999) The adaptationist stance and evolutionary computation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1859–1864, Morgan Kaufmann, Orlando, Florida, USA.
- [Jo & Kang(1999)] Jo, Y.G. & Kang, H. (1999) Evolutionary cellular automata for optimal path planning of mobile robots. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1443, Morgan Kaufmann, Orlando, Florida, USA.
- [John *et al.*(1999)John, Panton & White] John, M., Panton, D. & White, K. (1999) Genetic algorithm for regional surveillance. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1573–1579, Morgan Kaufmann, Orlando, Florida, USA.
- [Julstrom(1999)] Julstrom, B.A. (1999) Redundant genetic encodings may not be harmful. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 791, Morgan Kaufmann, Orlando, Florida, USA.
- [Kalganova *et al.*(1999)Kalganova, Miller & Fogarty] Kalganova, T., Miller, J.F. & Fogarty, T.C. (1999) Evolution of the digital circuits with variable layouts. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1235, Morgan Kaufmann, Orlando, Florida, USA.
- [Karanta *et al.*(1999)Karanta, Mikkola, Bounsaythip, Jokinen & Savola] Karanta, I., Mikkola, T., Bounsaythip, C., Jokinen, O. & Savola, J. (1999) Solving wood collection problem using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1787, Morgan Kaufmann, Orlando, Florida, USA.
- [Kargupta & Sarkar(1999)] Kargupta, H. & Sarkar, K. (1999) Function induction, gene expression, and evolutionary representation construction. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 313–320, Morgan Kaufmann, Orlando, Florida, USA.
- [Karr & Borgelt(1999)] Karr, C.L. & Borgelt, K. (1999) Modeling a grinding circuit using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1785, Morgan Kaufmann, Orlando, Florida, USA.

- [Karr & Weck(1999)] Karr, C.L. & Weck, B. (1999) Solutions to systems of nonlinear equations via genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1786, Morgan Kaufmann, Orlando, Florida, USA.
- [Kaschel *et al.*(1999)Kaschel, Kobernik, Meier & Teich] Kaschel, J., Kobernik, G., Meier, B. & Teich, T. (1999) Genetic algorithm, avoiding of deadlocks and gantt-chart-generation for the job shop scheduling problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 792, Morgan Kaufmann, Orlando, Florida, USA.
- [Katayama & Narihisa(1999)] Katayama, K. & Narihisa, H. (1999) Iterated local search approach using genetic transformation to the traveling salesman problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 321–328, Morgan Kaufmann, Orlando, Florida, USA.
- [Keedwell *et al.*(1999)Keedwell, Narayanan & Savic] Keedwell, E., Narayanan, A. & Savic, D. (1999) Using genetic algorithms to extract rules from trained neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 793, Morgan Kaufmann, Orlando, Florida, USA.
- [Keijzer & Babovic(1999)] Keijzer, M. & Babovic, V. (1999) Dimensionally aware genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1069–1076, Morgan Kaufmann, Orlando, Florida, USA.
- [Keller & Banzhaf(1999)] Keller, R.E. & Banzhaf, W. (1999) The evolution of genetic code in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1077–1082, Morgan Kaufmann, Orlando, Florida, USA.
- [Kennedy & Giraud-Carrier(1999)] Kennedy, C.J. & Giraud-Carrier, C. (1999) A depth controlling strategy for strongly typed evolutionary programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 879–885, Morgan Kaufmann, Orlando, Florida, USA.
- [Key(1999)] Key, C. (1999) Non-reciprocal altruism and the evolution of paternal care. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1313–1320, Morgan Kaufmann, Orlando, Florida, USA.
- [Klyce(1999)] Klyce, B. (1999) In real or artificial life, is evolutionary progress in a closed system possible? *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1444, Morgan Kaufmann, Orlando, Florida, USA.
- [Knowles *et al.*(1999)Knowles, Corne & Oates] Knowles, J., Corne, D. & Oates, M. (1999) A new evolutionary approach to the degree constrained minimum spanning tree problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 794, Morgan Kaufmann, Orlando, Florida, USA.
- [Koehler(1999)] Koehler, G.J. (1999) Computing simple ga expected waiting times. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 795, Morgan Kaufmann, Orlando, Florida, USA.

- [Kokai *et al.*(1999a)Kokai, Toth & Vanyi] Kokai, G., Toth, Z. & Vanyi, R. (1999a) Generic evolution algorithms programming library. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1867, Morgan Kaufmann, Orlando, Florida, USA.
- [Kokai *et al.*(1999b)Kokai, Vanyi & Toth] Kokai, G., Vanyi, R. & Toth, Z. (1999b) Parametric l-system description of the retina with combined evolutionary operators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1588–1595, Morgan Kaufmann, Orlando, Florida, USA.
- [Kopp *et al.*(1999)Kopp, Mortveit & Reidys] Kopp, S., Mortveit, H.S. & Reidys, C.M. (1999) Sequential dynamical systems and simulation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1445, Morgan Kaufmann, Orlando, Florida, USA.
- [Kovacs(1999)] Kovacs, T. (1999) Deletion schemes for classifier systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 329–336, Morgan Kaufmann, Orlando, Florida, USA.
- [Koza *et al.*(1999)Koza, Keane, III, Yu, Mydlowec & Stiffelman] Koza, J.R., Keane, M.A., III, F.H.B., Yu, J., Mydlowec, W. & Stiffelman, O. (1999) Searching for the impossible using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1083–1091, Morgan Kaufmann, Orlando, Florida, USA.
- [Krasnogor *et al.*(1999)Krasnogor, Hart, Smith & Pelta] Krasnogor, N., Hart, W.E., Smith, J. & Pelta, D.A. (1999) Protein structure prediction with evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1596–1601, Morgan Kaufmann, Orlando, Florida, USA.
- [Krink *et al.*(1999)Krink, Mayoh & Michalewicz] Krink, T., Mayoh, B.H. & Michalewicz, Z. (1999) A patchwork model for evolutionary algorithms with structured and variable size populations. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1321–1328, Morgan Kaufmann, Orlando, Florida, USA.
- [Kundu(1999)] Kundu, S. (1999) Complexity engineering, evolution and optimality of structures. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 796, Morgan Kaufmann, Orlando, Florida, USA.
- [Langdon(1999)] Langdon, W.B. (1999) Size fair and homologous tree genetic programming crossovers. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1092–1097, Morgan Kaufmann, Orlando, Florida, USA.
- [Langham & Grant(1999)] Langham, A.E. & Grant, P.W. (1999) A multilevel k-way partitioning algorithm for finite element meshes using competing ant colonies. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1602–1608, Morgan Kaufmann, Orlando, Florida, USA.
- [Lanzi(1999)] Lanzi, P.L. (1999) Extending the representation of classifier conditions part i: From binary to messy coding. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 337–344, Morgan Kaufmann, Orlando, Florida, USA.

- [Lanzi & Colombetti(1999)] Lanzi, P.L. & Colombetti, M. (1999) An extension to the xcs classifier system for stochastic environments. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 353–360, Morgan Kaufmann, Orlando, Florida, USA.
- [Lanzi & Perrucci(1999)] Lanzi, P.L. & Perrucci, A. (1999) Extending the representation of classifier conditions part ii: From messy coding to s-expressions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 345–352, Morgan Kaufmann, Orlando, Florida, USA.
- [Lee & Song(1999)] Lee, C.Y. & Song, Y. (1999) Evolutionary programming using the levy probability distribution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 886–893, Morgan Kaufmann, Orlando, Florida, USA.
- [Lee & Cho(1999)] Lee, J.Y. & Cho, S.B. (1999) Incorporating human preference into content-based image retrieval using interactive genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1788, Morgan Kaufmann, Orlando, Florida, USA.
- [Lerena & Courant(1999)] Lerena, P. & Courant, M. (1999) Complexity in mate choice. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1446, Morgan Kaufmann, Orlando, Florida, USA.
- [Levenick(1999)] Levenick, J.R. (1999) Swappers: Introns promote flexibility, diversity and invention. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 361–368, Morgan Kaufmann, Orlando, Florida, USA.
- [Li et al.(1999)Li, Man & Tang] Li, Y., Man, K.F. & Tang, K.S. (1999) Multiobjective genetic algorithm for rolling-horizon production planning. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1789, Morgan Kaufmann, Orlando, Florida, USA.
- [Lim & Thalmann(1999)] Lim, I.S. & Thalmann, D. (1999) How not to be a black-box: Evolution and genetic-engineering of high-level behaviours. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1329–1335, Morgan Kaufmann, Orlando, Florida, USA.
- [Lin(1999)] Lin, W.Y. (1999) Improving parallel ordering of sparse matrices using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1790, Morgan Kaufmann, Orlando, Florida, USA.
- [Loughlin & Ranjithan(1999)] Loughlin, D.H. & Ranjithan, S.R. (1999) Chance-constrained genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 369–376, Morgan Kaufmann, Orlando, Florida, USA.
- [Louis & Tang(1999)] Louis, S.J. & Tang, R. (1999) Interactive genetic algorithms for the traveling salesman problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 385–392, Morgan Kaufmann, Orlando, Florida, USA.
- [Louis & Zhang(1999)] Louis, S.J. & Zhang, Y. (1999) A sequential similarity metric for case injected genetic algorithms applied to tsps. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 377–384, Morgan Kaufmann, Orlando, Florida, USA.

- [Luke *et al.*(1999)Luke, Hamahashi & Kitano] Luke, S., Hamahashi, S. & Kitano, H. (1999) “genetic” programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1098–1105, Morgan Kaufmann, Orlando, Florida, USA.
- [Maley(1999)] Maley, C.C. (1999) Four steps toward open-ended evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1336–1343, Morgan Kaufmann, Orlando, Florida, USA.
- [Marchiori & Rossi(1999)] Marchiori, E. & Rossi, C. (1999) A flipping genetic algorithm for hard 3-sat problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 393–400, Morgan Kaufmann, Orlando, Florida, USA.
- [Mariano & M.(1999)] Mariano, C.E. & M., E.M. (1999) Moaq an ant-q algorithm for multiple objective optimization problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 894–901, Morgan Kaufmann, Orlando, Florida, USA.
- [Marin & Sole(1999)] Marin, J. & Sole, R.V. (1999) Evolutionary optimization through extinction dynamics. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1344–1349, Morgan Kaufmann, Orlando, Florida, USA.
- [Marks *et al.*(1999)Marks, Midgley, Cooper & Shiraz] Marks, R.E., Midgley, D.F., Cooper, L.G. & Shiraz, G.M. (1999) Coevolution with the genetic algorithm: Repeated differentiated oligopolies. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1609–1615, Morgan Kaufmann, Orlando, Florida, USA.
- [Martin *et al.*(1999)Martin, Moal & Vrain] Martin, L., Moal, F. & Vrain, C. (1999) Declarative expression of biases in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 401–408, Morgan Kaufmann, Orlando, Florida, USA.
- [Mattfeld(1999)] Mattfeld, D.C. (1999) Scalable search spaces for scheduling problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1616–1621, Morgan Kaufmann, Orlando, Florida, USA.
- [Mautner & Belew(1999)] Mautner, C. & Belew, R.K. (1999) Coupling morphology and control in a simulated robot. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1350–1357, Morgan Kaufmann, Orlando, Florida, USA.
- [Maxwell & Anderson(1999)] Maxwell, B. & Anderson, S. (1999) Training hidden markov models using population-based learning. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 944, Morgan Kaufmann, Orlando, Florida, USA.
- [McKay *et al.*(1999)McKay, Willis, Searson & Montague] McKay, B., Willis, M., Searson, D. & Montague, G. (1999) Non-linear continuum regression using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1106–1111, Morgan Kaufmann, Orlando, Florida, USA.
- [McPhee & Hopper(1999)] McPhee, N.F. & Hopper, N.J. (1999) Analysis of genetic diversity through population history. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1112–1120, Morgan Kaufmann, Orlando, Florida, USA.

- [Mengshoel & Goldberg(1999)] Mengshoel, O.J. & Goldberg, D.E. (1999) Probabilistic crowding: Deterministic crowding with probabilistic replacement. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 409–416, Morgan Kaufmann, Orlando, Florida, USA.
- [Merz & Freisleben(1999)] Merz, P. & Freisleben, B. (1999) Genetic algorithms for binary quadratic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 417–424, Morgan Kaufmann, Orlando, Florida, USA.
- [Meysenburg & Foster(1999a)] Meysenburg, M.M. & Foster, J.A. (1999a) Random generator quality and gp performance. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1121–1126, Morgan Kaufmann, Orlando, Florida, USA.
- [Meysenburg & Foster(1999b)] Meysenburg, M.M. & Foster, J.A. (1999b) Randomness and ga performance, revisited. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 425–432, Morgan Kaufmann, Orlando, Florida, USA.
- [Miagkikh & III(1999)] Miagkikh, V.V. & III, W.F.P. (1999) An approach to solving combinatorial optimization problems using a population of reinforcement learning agents. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1358–1365, Morgan Kaufmann, Orlando, Florida, USA.
- [Miller(1999a)] Miller, J.F. (1999a) Digital filter design at gate-level using evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1127–1134, Morgan Kaufmann, Orlando, Florida, USA.
- [Miller(1999b)] Miller, J.F. (1999b) An empirical study of the efficiency of learning boolean functions using a cartesian genetic programming approach. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1135–1142, Morgan Kaufmann, Orlando, Florida, USA.
- [Mota *et al.*(1999)Mota, Ferreira & Rosa] Mota, C., Ferreira, H. & Rosa, A. (1999) Independent and simultaneous evolution of fuzzy sleep classifiers by genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1622–1629, Morgan Kaufmann, Orlando, Florida, USA.
- [Moustafa *et al.*(1999)Moustafa, Jong & Wegman] Moustafa, R.E., Jong, K.A.D. & Wegman, E.J. (1999) Using genetic algorithms for adaptive function approximation and mesh generation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 798, Morgan Kaufmann, Orlando, Florida, USA.
- [Munetomo & Goldberg(1999)] Munetomo, M. & Goldberg, D.E. (1999) Identifying linkage groups by nonlinearity/non-monotonicity detection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 433–440, Morgan Kaufmann, Orlando, Florida, USA.
- [Murata *et al.*(1999)Murata, Ishibuchi & Gen] Murata, T., Ishibuchi, H. & Gen, M. (1999) Specification of local search directions in genetic local search algorithms for multi-objective optimization problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 441–448, Morgan Kaufmann, Orlando, Florida, USA.

- [Muruzabal(1999)] Muruzabal, J. (1999) Mining the space of generality with uncertainty-concerned cooperative classifiers. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 449–457, Morgan Kaufmann, Orlando, Florida, USA.
- [Myers *et al.*(1999)Myers, Laskey & DeJong] Myers, J.W., Laskey, K.B. & DeJong, K.A. (1999) Learning bayesian networks from incomplete data using evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 458–465, Morgan Kaufmann, Orlando, Florida, USA.
- [Naoki & Hajime(1999)] Naoki, M. & Hajime, K. (1999) The entropy evaluation method for the thermodynamical selection rule. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 799, Morgan Kaufmann, Orlando, Florida, USA.
- [Naudts & Schippers(1999)] Naudts, B. & Schippers, A. (1999) A motivated definition of exploitation and exploration. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 800, Morgan Kaufmann, Orlando, Florida, USA.
- [Nault *et al.*(1999)Nault, Rialle & Meunier] Nault, G., Rialle, V. & Meunier, J.G. (1999) Progen: a genetic-based semi-automatic hypertext construction tool-first steps and experiment. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1630–1635, Morgan Kaufmann, Orlando, Florida, USA.
- [Navarro *et al.*(1999)Navarro, de Oliveira, Ramos & Campos-Velho] Navarro, P.L.K.G., de Oliveira, P.P.B., Ramos, F.M. & Campos-Velho, H.F. (1999) Magnetotelluric inversion using problem-specific genetic operators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1580–1587, Morgan Kaufmann, Orlando, Florida, USA.
- [Neves *et al.*(1999a)Neves, Silva & Costa] Neves, A., Silva, A. & Costa, E. (1999a) Evolutionary path planning for nonholonomic robots. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 466–472, Morgan Kaufmann, Orlando, Florida, USA.
- [Neves *et al.*(1999b)Neves, Rocha, Rodrigues, Biscaia & Alves] Neves, J., Rocha, M., Rodrigues, H., Biscaia, M. & Alves, J. (1999b) Adaptive strategies and the design of evolutionary applications. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 473–479, Morgan Kaufmann, Orlando, Florida, USA.
- [Niao *et al.*(1999)Niao, Hernandez & Dasgupta] Niao, F., Hernandez, G. & Dasgupta, D. (1999) On evolution of stochastic dynamical neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 801, Morgan Kaufmann, Orlando, Florida, USA.
- [Nishikawa *et al.*(1999)Nishikawa, Hagiya & Yamamura] Nishikawa, A., Hagiya, M. & Yamamura, M. (1999) Virtual dna simulator and protocol design by ga. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1810–1816, Morgan Kaufmann, Orlando, Florida, USA.
- [Oates *et al.*(1999)Oates, Corne & Loader] Oates, M., Corne, D. & Loader, R. (1999) Variation in ea performance characteristics on the adaptive distributed database management problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 480–487, Morgan Kaufmann, Orlando, Florida, USA.

- [Obayashi *et al.*(1999)Obayashi, Sasaki & Takeguchi] Obayashi, S., Sasaki, D. & Takeguchi, Y. (1999) Evolutionary computation of supersonic wing shape optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1791, Morgan Kaufmann, Orlando, Florida, USA.
- [Ochoa *et al.*(1999)Ochoa, Harvey & Buxton] Ochoa, G., Harvey, I. & Buxton, H. (1999) On recombination and optimal mutation rates. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 488–495, Morgan Kaufmann, Orlando, Florida, USA.
- [Ogihara(1999)] Ogihara, M. (1999) Relating the minimum model for dna computation and boolean circuits. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1817–1821, Morgan Kaufmann, Orlando, Florida, USA.
- [Oh(1999)] Oh, J.C. (1999) Effects of “physical body” on biased opponent selection in the iterated prisoner’s dilemma game. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1447, Morgan Kaufmann, Orlando, Florida, USA.
- [Olague(1999)] Olague, G. (1999) Analysis of genetic algorithms convergence applied to mensuration problems in computer vision. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1792, Morgan Kaufmann, Orlando, Florida, USA.
- [Olsson(1999)] Olsson, B. (1999) Using evolutionary algorithms in the design of protein fingerprints. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1636–1642, Morgan Kaufmann, Orlando, Florida, USA.
- [O’Neill & Ryan(1999)] O’Neill, M. & Ryan, C. (1999) Under the hood of grammatical evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1143–1148, Morgan Kaufmann, Orlando, Florida, USA.
- [Ono *et al.*(1999)Ono, Kita & Kobayashi] Ono, I., Kita, H. & Kobayashi, S. (1999) A robust real-coded genetic algorithm using unimodal normal distribution crossover augmented by uniform crossover: Effects of self-adaptation of crossover probabilities. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 496–503, Morgan Kaufmann, Orlando, Florida, USA.
- [Opitz(1999)] Opitz, D.W. (1999) An evolutionary approach to feature set selection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 803, Morgan Kaufmann, Orlando, Florida, USA.
- [Opitz *et al.*(1999)Opitz, Basak & Gute] Opitz, D.W., Basak, S.C. & Gute, B.D. (1999) Hazard assessment modeling: An evolutionary ensemble approach. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1643–1650, Morgan Kaufmann, Orlando, Florida, USA.
- [Oppacher & Wineberg(1999)] Oppacher, F. & Wineberg, M. (1999) The shifting balance genetic algorithm: Improving the ga in a dynamic environment. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 504–510, Morgan Kaufmann, Orlando, Florida, USA.

- [Oprea & Forrest(1999)] Oprea, M. & Forrest, S. (1999) How the immune system generates diversity: Pathogen space coverage with random and evolved antibody libraries. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1651–1656, Morgan Kaufmann, Orlando, Florida, USA.
- [Ostermeier & Hansen(1999)] Ostermeier, A. & Hansen, N. (1999) An evolution strategy with coordinate system invariant adaptation of arbitrary normal mutation distributions within the concept of mutative strategy parameter control. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 902–909, Morgan Kaufmann, Orlando, Florida, USA.
- [Palazzari & Coli(1999)] Palazzari, P. & Coli, M. (1999) Evolving probabilistic chromosomes in genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 511–518, Morgan Kaufmann, Orlando, Florida, USA.
- [Parker & Mills(1999)] Parker, G.B. & Mills, J.W. (1999) Adaptive hexapod gait control using anytime learning with fitness biasing. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 519–524, Morgan Kaufmann, Orlando, Florida, USA.
- [Parmee & Watson(1999)] Parmee, I.C. & Watson, A.H. (1999) Preliminary airframe design using co-evolutionary multiobjective genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1657–1665, Morgan Kaufmann, Orlando, Florida, USA.
- [Pazos *et al.*(1999a)Pazos, del Riego, Dorado & Cardalda] Pazos, A., del Riego, A.S., Dorado, J. & Cardalda, J.J.R. (1999a) Adaptive aspects of rhythmic composition: Genetic music. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1794, Morgan Kaufmann, Orlando, Florida, USA.
- [Pazos *et al.*(1999b)Pazos, Dorado, Santos & Rabunal] Pazos, A., Dorado, J., Santos, A. & Rabunal, J.R. (1999b) Optimization of ga parameters to train recurrent ann through weight adjustment and selection of activation functions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1793, Morgan Kaufmann, Orlando, Florida, USA.
- [Pazos *et al.*(1999c)Pazos, Pazos & Paton] Pazos, A., Pazos, J. & Paton, A.R. (1999c) Dna assembly and recombination for hamiltonian paths and binary words. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1822–1824, Morgan Kaufmann, Orlando, Florida, USA.
- [Pelikan *et al.*(1999)Pelikan, Goldberg & Cantu-Paz] Pelikan, M., Goldberg, D.E. & Cantu-Paz, E. (1999) Boa: The bayesian optimization algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 525–532, Morgan Kaufmann, Orlando, Florida, USA.
- [Pereira(1999)] Pereira, A.G. (1999) Road design by evolutionary modelling of routes. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1778, Morgan Kaufmann, Orlando, Florida, USA.
- [Pereira *et al.*(1999)Pereira, Machado, Costa & Cardoso] Pereira, F.B., Machado, P., Costa, E. & Cardoso, A. (1999) Graph based crossover-a case study with the busy beaver problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1149–1155, Morgan Kaufmann, Orlando, Florida, USA.

- [Perkins(1999)] Perkins, S. (1999) Evolving effective visual tracking through shaping. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1156–1161, Morgan Kaufmann, Orlando, Florida, USA.
- [Perrenoud *et al.*(1999)Perrenoud, Tomassini, Sipper & Zolla] Perrenoud, M., Tomassini, M., Sipper, M. & Zolla, M. (1999) Evolving high-quality random number generators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 804, Morgan Kaufmann, Orlando, Florida, USA.
- [Petrowski & Hamida(1999)] Petrowski, A. & Hamida, S.B. (1999) A logarithmic mutation operator to solve constrained optimization problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 805, Morgan Kaufmann, Orlando, Florida, USA.
- [Pindor(1999)] Pindor, A.J. (1999) Using genetic algorithm to manipulate polynomial expressions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1666–1671, Morgan Kaufmann, Orlando, Florida, USA.
- [Plagianakos & Vrahatis(1999)] Plagianakos, V.P. & Vrahatis, M.N. (1999) Training neural networks with 3-bit integer weights. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 910–915, Morgan Kaufmann, Orlando, Florida, USA.
- [Pohlheim(1999)] Pohlheim, H. (1999) Visualization of evolutionary algorithms - set of standard techniques and multidimensional visualization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 533–540, Morgan Kaufmann, Orlando, Florida, USA.
- [Pohlheim & Heissner(1999)] Pohlheim, H. & Heissner, A. (1999) Optimal control of greenhouse climate using real-world weather data and evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1672–1677, Morgan Kaufmann, Orlando, Florida, USA.
- [Pohlheim & Wegener(1999)] Pohlheim, H. & Wegener, J. (1999) Testing the temporal behavior of real-time software modules using extended evolutionary algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1795, Morgan Kaufmann, Orlando, Florida, USA.
- [Poli(1999)] Poli, R. (1999) Schema theorems without expectations. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 806, Morgan Kaufmann, Orlando, Florida, USA.
- [Poli *et al.*(1999)Poli, Page & Langdon] Poli, R., Page, J. & Langdon, W.B. (1999) Smooth uniform crossover, sub-machine code gp and demes: A recipe for solving high-order boolean parity problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1162–1169, Morgan Kaufmann, Orlando, Florida, USA.
- [Poon(1999)] Poon, J. (1999) Problem solving: Search, exploration and co-evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 541–548, Morgan Kaufmann, Orlando, Florida, USA.

- [Porter *et al.*(1999)Porter, Willis & Montague] Porter, M.A., Willis, M.J. & Montague, G.A. (1999) Modelling antibiotic production using standard and sequential hybridised symbolic annealing. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1796, Morgan Kaufmann, Orlando, Florida, USA.
- [Pratihari *et al.*(1999)Pratihari, Deb & Ghosh] Pratihari, D.K., Deb, K. & Ghosh, A. (1999) Design of a genetic-fuzzy system for planning optimal path and gait simultaneously of a six-legged robot. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1678–1684, Morgan Kaufmann, Orlando, Florida, USA.
- [Pujol & Poli(1999)] Pujol, J.C.F. & Poli, R. (1999) Evolution of neural networks using weight mapping. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1170–1177, Morgan Kaufmann, Orlando, Florida, USA.
- [Punya & Deo(1999)] Punya, S. & Deo, B. (1999) Prediction of silicon content of hot metal using fuzzy-ga regression. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1685–1690, Morgan Kaufmann, Orlando, Florida, USA.
- [Radi & Poli(1999)] Radi, A. & Poli, R. (1999) Evolutionary discovery of learning rules for feedforward neural networks with step activation function. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1178–1183, Morgan Kaufmann, Orlando, Florida, USA.
- [Raich & Ghaboussi(1999)] Raich, A.M. & Ghaboussi, J. (1999) Frame design synthesis using implicit redundant genetic algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1691–1698, Morgan Kaufmann, Orlando, Florida, USA.
- [Raidl(1999)] Raidl, G.R. (1999) An evolutionary approach to point-feature label placement. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 807, Morgan Kaufmann, Orlando, Florida, USA.
- [Rana(1999)] Rana, S. (1999) The distributional biases of crossover operators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 549–556, Morgan Kaufmann, Orlando, Florida, USA.
- [Rechsteiner & Bedau(1999)] Rechsteiner, A. & Bedau, M.A. (1999) A generic neutral model for measuring excess evolutionary activity of genotypes. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1366–1373, Morgan Kaufmann, Orlando, Florida, USA.
- [Ren *et al.*(1999)Ren, Tanaka, Okayama & Gojobori] Ren, F., Tanaka, H., Okayama, T. & Gojobori, T. (1999) Reconstructing molecular phylogenetic tree with multifurcation by using minimum complexity principle. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1825–1828, Morgan Kaufmann, Orlando, Florida, USA.
- [Rodriguez(1999)] Rodriguez, A.O. (1999) Finding wavelet packet bases with an estimation distribution algorithm. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 802, Morgan Kaufmann, Orlando, Florida, USA.
- [Rose *et al.*(1999)Rose, Deaton, Franceschetti, Garzon & Jr.] Rose, J.A., Deaton, R.J., Franceschetti, D.R., Garzon, M. & Jr., S.E.S. (1999) A statistical mechanical treatment of error in the

- annealing biostep of dna computation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1829–1834, Morgan Kaufmann, Orlando, Florida, USA.
- [Rosete-Suarez *et al.*(1999)] Rosete-Suarez, Ochoa-Rodriguez & Sebag] Rosete-Suarez, A., Ochoa-Rodriguez, A. & Sebag, M. (1999) Automatic graph drawing and stochastic hill climbing. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1699–1706, Morgan Kaufmann, Orlando, Florida, USA.
- [Ross(1999)] Ross, B.J. (1999) Logic-based genetic programming with definite clause translation grammars. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1236, Morgan Kaufmann, Orlando, Florida, USA.
- [Rowe(1999)] Rowe, J.E. (1999) Finding attractors for periodic fitness functions. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 557–563, Morgan Kaufmann, Orlando, Florida, USA.
- [Ryan *et al.*(1999)] Ryan, Debuse, Smith & Whittle] Ryan, M., Debuse, J., Smith, G. & Whittle, I. (1999) A hybrid genetic algorithm for the fixed channel assignment problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1707–1714, Morgan Kaufmann, Orlando, Florida, USA.
- [Salim(1999)] Salim, V. (1999) Genetic algorithms in road investment planning with computational comparisons to simulated annealing and heuristics. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 808, Morgan Kaufmann, Orlando, Florida, USA.
- [Salman *et al.*(1999)] Salman, Mehrotra & Mohan] Salman, A.A., Mehrotra, K. & Mohan, C.K. (1999) Linkage crossover for genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 564–571, Morgan Kaufmann, Orlando, Florida, USA.
- [Salustowicz & Schmidhuber(1999)] Salustowicz, R.P. & Schmidhuber, J. (1999) Sequence learning through pipe and automatic task decomposition. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1184–1191, Morgan Kaufmann, Orlando, Florida, USA.
- [Sarma & Jong(1999)] Sarma, J. & Jong, K.D. (1999) The behavior of spatially distributed evolutionary algorithms in non-stationary environments. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 572–578, Morgan Kaufmann, Orlando, Florida, USA.
- [Sawai & Adachi(1999)] Sawai, H. & Adachi, S. (1999) Parallel distributed processing of a parameter-free hierarchical migration methods. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 579–586, Morgan Kaufmann, Orlando, Florida, USA.
- [Saxon & Barry(1999)] Saxon, S. & Barry, A. (1999) Xcs and the monk’s problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 809, Morgan Kaufmann, Orlando, Florida, USA.
- [Schleiffer & Sebastian(1999)] Schleiffer, R. & Sebastian, H.J. (1999) A fuzzy neighborhood based ga in fuzzy engineering design. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1797, Morgan Kaufmann, Orlando, Florida, USA.

- [Senin *et al.*(1999)Senin, Wallace & Borland] Senin, N., Wallace, D.R. & Borland, N. (1999) Object-based design modeling and optimization with genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1715–1722, Morgan Kaufmann, Orlando, Florida, USA.
- [Seredynski & Janikow(1999)] Seredynski, F. & Janikow, C.Z. (1999) Designing cellular automata-based scheduling algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 587–594, Morgan Kaufmann, Orlando, Florida, USA.
- [Shanahan *et al.*(1999)Shanahan, Baldwin & Martin] Shanahan, J.G., Baldwin, J.F. & Martin, T.P. (1999) Constructive induction of fuzzy cartesian granule feature models using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1237, Morgan Kaufmann, Orlando, Florida, USA.
- [Sharpe(1999a)] Sharpe, O. (1999a) Continuing beyond nfl: Dissecting real world problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 595–602, Morgan Kaufmann, Orlando, Florida, USA.
- [Sharpe(1999b)] Sharpe, O. (1999b) Persistence, search and autopoiesis. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1374–1381, Morgan Kaufmann, Orlando, Florida, USA.
- [Shimada & Anzai(1999)] Shimada, S. & Anzai, Y. (1999) Fast and robust convergence of chained classifiers by generating operons through niche formation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 810, Morgan Kaufmann, Orlando, Florida, USA.
- [Shimodaira(1999)] Shimodaira, H. (1999) A diversity control oriented genetic algorithm (dcga): Development and experimental results. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 603–611, Morgan Kaufmann, Orlando, Florida, USA.
- [Silva *et al.*(1999)Silva, Neves & Costa] Silva, A., Neves, A. & Costa, E. (1999) Genetically programming networks to evolve memory mechanisms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1448, Morgan Kaufmann, Orlando, Florida, USA.
- [Simoes & Costa(1999)] Simoes, A.B. & Costa, E. (1999) Transposition versus crossover: An empirical study. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 612–619, Morgan Kaufmann, Orlando, Florida, USA.
- [Sinclair(1999)] Sinclair, M.C. (1999) Optical mesh network topology design using node-pair encoding genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1192–1197, Morgan Kaufmann, Orlando, Florida, USA.
- [Smith(1999)] Smith, C.E. (1999) An application of genetic programming to investment system optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1798, Morgan Kaufmann, Orlando, Florida, USA.

- [Someya & Yamamura(1999)] Someya, H. & Yamamura, M. (1999) A genetic algorithm without parameters tuning and its application on the floorplan design problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 620–627, Morgan Kaufmann, Orlando, Florida, USA.
- [Song & Cho(1999)] Song, G.B. & Cho, S.B. (1999) Adaptive behavior of incrementally evolved neural networks based on cellular automata. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1449, Morgan Kaufmann, Orlando, Florida, USA.
- [Soule(1999)] Soule, T. (1999) Voting teams: A cooperative approach to non-typical problems using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 916–922, Morgan Kaufmann, Orlando, Florida, USA.
- [Spalanzani *et al.*(1999)Spalanzani, Selouani & Kabre] Spalanzani, A., Selouani, S.A. & Kabre, H. (1999) Evolutionary algorithms for optimizing speech data projection. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1799, Morgan Kaufmann, Orlando, Florida, USA.
- [Steinberg & Rasheed(1999)] Steinberg, L. & Rasheed, K. (1999) Optimization by searching a tree of populations. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1723–1730, Morgan Kaufmann, Orlando, Florida, USA.
- [Stephens(1999)] Stephens, C.R. (1999) Effect of mutation and recombination on the genotype-phenotype map. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1382–1389, Morgan Kaufmann, Orlando, Florida, USA.
- [Stewart & Rosin(1999)] Stewart, R. & Rosin, P.L. (1999) Neural network construction using voronoi dissections. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 811, Morgan Kaufmann, Orlando, Florida, USA.
- [Stoica *et al.*(1999)Stoica, Lazaro, Keymeulen & Hayworth] Stoica, A., Lazaro, C.S., Keymeulen, D. & Hayworth, K. (1999) Evolution of cmos circuits in simulations and directly in hardware on a programmable chip. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1198–1203, Morgan Kaufmann, Orlando, Florida, USA.
- [Sturgill & Pant(1999)] Sturgill, D. & Pant, G. (1999) Evaluation criteria for genetically-tuned problem-solving experts. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1390–1397, Morgan Kaufmann, Orlando, Florida, USA.
- [Sugai(1999)] Sugai, K. (1999) Stochastic evolution on the hierarchical population. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 628–634, Morgan Kaufmann, Orlando, Florida, USA.
- [Suzuki & Tanaka(1999)] Suzuki, Y. & Tanaka, H. (1999) Practical and theoretical investigation of a collective work. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1450, Morgan Kaufmann, Orlando, Florida, USA.
- [Swift & Liu(1999)] Swift, S. & Liu, X. (1999) Modelling and forecasting of glaucomatous visual fields using genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1731–1737, Morgan Kaufmann, Orlando, Florida, USA.

- [Takadama *et al.*(1999)Takadama, Terano & Shimohara] Takadama, K., Terano, T. & Shimohara, K. (1999) How to design good learning agents in organization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1398–1405, Morgan Kaufmann, Orlando, Florida, USA.
- [Takahashi *et al.*(1999)Takahashi, Murakawa, Toda & Higuchi] Takahashi, E., Murakawa, M., Toda, K. & Higuchi, T. (1999) An evolvable-hardware-based clock timing architecture towards gigahz digital systems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1204–1210, Morgan Kaufmann, Orlando, Florida, USA.
- [Terashima-Marin *et al.*(1999)Terashima-Marin, Ross & Valenzuela-Rendon] Terashima-Marin, H., Ross, P. & Valenzuela-Rendon, M. (1999) Evolution of constraint satisfaction strategies in examination timetabling. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 635–642, Morgan Kaufmann, Orlando, Florida, USA.
- [Thierens(1999)] Thierens, D. (1999) Estimating the significant non-linearities in the genome problem-coding. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 643–648, Morgan Kaufmann, Orlando, Florida, USA.
- [Tian *et al.*(1999)Tian, Sannomiya & Yokokura] Tian, Y., Sannomiya, N. & Yokokura, T. (1999) A simulation study on adaptive behavior of fish schools under environmental variation. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1451, Morgan Kaufmann, Orlando, Florida, USA.
- [Todd & Sen(1999)] Todd, D.S. & Sen, P. (1999) Directed multiple objective search of design spaces using genetic algorithms and neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1738–1743, Morgan Kaufmann, Orlando, Florida, USA.
- [Tomlinson & Bull(1999)] Tomlinson, A. & Bull, L. (1999) On corporate classifier systems: Increasing the benefits of rule linkage. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 649–656, Morgan Kaufmann, Orlando, Florida, USA.
- [Trenaman(1999)] Trenaman, A. (1999) Further investigations into the evolution of agents with concurrent genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1452, Morgan Kaufmann, Orlando, Florida, USA.
- [Tsutsui *et al.*(1999)Tsutsui, Yamamura & Higuchi] Tsutsui, S., Yamamura, M. & Higuchi, T. (1999) Multi-parent recombination with simplex crossover in real coded genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 657–664, Morgan Kaufmann, Orlando, Florida, USA.
- [Tucker & Liu(1999)] Tucker, A. & Liu, X. (1999) Extending evolutionary programming methods to the learning of dynamic bayesian networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 923–929, Morgan Kaufmann, Orlando, Florida, USA.
- [Uchibe *et al.*(1999)Uchibe, Nakamura & Asada] Uchibe, E., Nakamura, M. & Asada, M. (1999) Cooperative and competitive behavior acquisition for mobile robots through co-evolution. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1406–1413, Morgan Kaufmann, Orlando, Florida, USA.

- [Uno & Namatame(1999)] Uno, K. & Namatame, A. (1999) Evolutionary behaviors emerged through strategic interactions in the large. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1414–1421, Morgan Kaufmann, Orlando, Florida, USA.
- [Valenzuela(1999)] Valenzuela, C.L. (1999) Evolutionary divide and conquer (ii) for the tsp. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1744–1749, Morgan Kaufmann, Orlando, Florida, USA.
- [Vallejo & Ramos(1999)] Vallejo, E.E. & Ramos, F. (1999) Result-sharing: A framework for cooperation in genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1238, Morgan Kaufmann, Orlando, Florida, USA.
- [van Dijk *et al.*(1999)] van Dijk, Thierens & de Berg] van Dijk, S., Thierens, D. & de Berg, M. (1999) On the design of genetic algorithms for geographical applications. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 188–195, Morgan Kaufmann, Orlando, Florida, USA.
- [Vekaria & Clack(1999)] Vekaria, K. & Clack, C. (1999) Biases introduced by adaptive recombination operators. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 670–677, Morgan Kaufmann, Orlando, Florida, USA.
- [Voss & Foley(1999)] Voss, M.S. & Foley, C.M. (1999) Evolutionary algorithm for structural optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 678–685, Morgan Kaufmann, Orlando, Florida, USA.
- [Vrajitoru(1999)] Vrajitoru, D. (1999) Genetic programming operators applied to genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 686–693, Morgan Kaufmann, Orlando, Florida, USA.
- [Vriend(1999)] Vriend, N.J. (1999) The difference between individual and population genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 812, Morgan Kaufmann, Orlando, Florida, USA.
- [Wagner(1999)] Wagner, K. (1999) Habitat, communication and cooperative strategies. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 694–701, Morgan Kaufmann, Orlando, Florida, USA.
- [Walker & Miglino(1999)] Walker, R. & Miglino, O. (1999) Simulating exploratory behavior in evolving neural networks. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1422–1428, Morgan Kaufmann, Orlando, Florida, USA.
- [Walker(1999)] Walker, R.L. (1999) Assessment of the web using genetic programming. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1750–1755, Morgan Kaufmann, Orlando, Florida, USA.
- [Walsh(1999)] Walsh, P. (1999) A functional style and fitness evaluation scheme for inducting high level programs. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1211–1216, Morgan Kaufmann, Orlando, Florida, USA.

- [Watabe & Kawaoka(1999)] Watabe, H. & Kawaoka, T. (1999) Solving combinatorial optimization problems with multi-step genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 813, Morgan Kaufmann, Orlando, Florida, USA.
- [Watson(1999)] Watson, J.P. (1999) A performance assessment of modern niching methods for parameter optimization problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 702–709, Morgan Kaufmann, Orlando, Florida, USA.
- [Watson & Pollack(1999)] Watson, R.A. & Pollack, J.B. (1999) Incremental commitment in genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 710–717, Morgan Kaufmann, Orlando, Florida, USA.
- [Weiss(1999)] Weiss, G.M. (1999) Timeweaver: a genetic algorithm for identifying predictive patterns in sequences of events. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 718–725, Morgan Kaufmann, Orlando, Florida, USA.
- [White & Pagurek(1999)] White, T. & Pagurek, B. (1999) Application oriented routing with biologically-inspired agents. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1453, Morgan Kaufmann, Orlando, Florida, USA.
- [Whitley(1999)] Whitley, D. (1999) A free lunch proof for gray versus binary encodings. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 726–733, Morgan Kaufmann, Orlando, Florida, USA.
- [Williams & Williams(1999)] Williams, K.P. & Williams, S.A. (1999) Two evolutionary representations for automatic parallelization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1429–1436, Morgan Kaufmann, Orlando, Florida, USA.
- [Wong *et al.*(1999)Wong, Yuryevich & Li] Wong, K.P., Yuryevich, J. & Li, A. (1999) Evolutionary programming based method for evaluation of power flow. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1756–1761, Morgan Kaufmann, Orlando, Florida, USA.
- [Wood *et al.*(1999)Wood, Chen, Lemieux & Cedenol Wood, D., Chen, J., Lemieux, E.A.B. & Cedenol W. (1999) A dna implementation of the max 1s problem. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1835–1842, Morgan Kaufmann, Orlando, Florida, USA.
- [Wright & Zhao(1999)] Wright, A.H. & Zhao, Y. (1999) Markov chain models of genetic algorithms. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 734–741, Morgan Kaufmann, Orlando, Florida, USA.
- [Yang *et al.*(1999a)Yang, Dasgupta & Cao] Yang, C., Dasgupta, D. & Cao, Y. (1999a) A group encoding technique for set partitioning problems. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 742–749, Morgan Kaufmann, Orlando, Florida, USA.
- [Yang *et al.*(1999b)Yang, Tiyyagura, Chen & Honavar] Yang, J., Tiyyagura, A., Chen, F. & Honavar, V. (1999b) Feature subset selection for rule induction using ripper. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, p. 1800, Morgan Kaufmann, Orlando, Florida, USA.

- [Yang & Kao(1999)] Yang, J.M. & Kao, C.Y. (1999) An evolutionary algorithm for continuous global optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 930–938, Morgan Kaufmann, Orlando, Florida, USA.
- [Yen *et al.*(1999)Yen, Yang, Lee & Liao] Yen, J., Yang, L., Lee, B. & Liao, J.C. (1999) A supervisory simplex-ga approach for metabolic model optimization. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 750–757, Morgan Kaufmann, Orlando, Florida, USA.
- [Yoshimi & Taura(1999)] Yoshimi, T. & Taura, T. (1999) A computational model of a viewpoint-forming process in a hierarchical classifier system. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, pp. 758–766, Morgan Kaufmann, Orlando, Florida, USA.
- [Zahran *et al.*(1999)Zahran, Wahab & Shaheen] Zahran, M.M., Wahab, A.H.A. & Shaheen, S.I. (1999) Adaptive genetic algorithm for multiprocessor scheduling. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 1, p. 814, Morgan Kaufmann, Orlando, Florida, USA.
- [Zhang & Joung(1999)] Zhang, B.T. & Joung, J.G. (1999) Genetic programming with incremental data inheritance. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1217–1224, Morgan Kaufmann, Orlando, Florida, USA.
- [Zitzler *et al.*(1999)Zitzler, Teich & Bhattacharyya] Zitzler, E., Teich, J. & Bhattacharyya, S.S. (1999) Evolutionary algorithm based exploration of software schedules for digital signal processors. *Proceedings of the Genetic and Evolutionary Computation Conference* (eds. W. Banzhaf, J. Daida, A.E. Eiben, M.H. Garzon, V. Honavar, M. Jakiela & R.E. Smith), vol. 2, pp. 1762–1770, Morgan Kaufmann, Orlando, Florida, USA.