## Список литературы

- [1] Fabio Abbattista, Valeria Carofiglio, and Mario Koppen, Scout algorithms and genetic algorithms: A comparative study, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 769.
- [2] Adam V. Adamopoulos, Efstratios F. Georgopoulos, Spiridon D. Likothanassis, and Photios A. Anninos, Forecasting the magnetoencephalogram (meg) of epileptic patients using genetically optimized neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1457–1462.
- [3] Alexandru Agapie, Random systems with complete connections, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 770.
- [4] Jesus Aguilar, Jose Riquelme, and Miguel Toro, Three geometric approaches for representing decision rules in a supervised learning system, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 771.
- [5] Jose Aguilar and Pablo Miranda, Approaches based on genetic algorithms for multiobjective optimization problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 3-10.
- [6] Hernan E. Aguirre, Kiyoshi Tanaka, and Tatsuo Sugimura, Cooperative crossover and mutation operators in genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 772.
- [7] Manu Ahluwalia and Larry Bull, Coevolving functions in genetic programming: Classification using k-nearest-neighbour, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 947–952.
- [8] \_\_\_\_\_\_\_, A genetic programming-based classifier system, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 11-18.
- [9] Enrique Alba, Carlos Cotta, and Jose M. Troya, Entropic and real-time analysis of the search with panmictic, structured, and parallel distributed genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 773.
- [10] Joaquim N. Aparicio, Luis Correia, and Fernando Moura-Pires, Populations are multisets-plato, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1845–1850.

- [11] Patrick Van Bael, Dirk Devogelaere, and M. Rijckaert, The job shop problem solved with simple, basic evolutionary search elements, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 665-669.
- [12] A. J. Bagnall and G. D. Smith, Using an adaptive agent to bid in a simplified model of the uk market in electricity, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 774.
- [13] Alwyn Barry, Aliasing in xcs and the consecutive state problem: 1 effects, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 19-26.
- [14] \_\_\_\_\_\_, Aliasing in xcs and the consecutive state problem: 2 solutions, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 27-34.
- [15] Daryl Battle, Abdollah Homaifar, Edward Tunstel, and Gerry Dozier, Genetic programming of full knowledge bases for fuzzy logic controllers, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1463-1468.
- [16] M. A. Beck and I. C. Parmee, Extending the bounds of the search space: A multi-population approach, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1469–1476.
- [17] G. N. Beligiannis, E. N. Demiris, and S. D. Likothanassis, Evolutionary multimodel partitioning filters for nonlinear systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1227.
- [18] Peter Bentley and Sanjeev Kumar, Three ways to grow designs: A comparison of embryogenies for an evolutionary design problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 35-43.
- [19] Jean Berger, Mourad Sassi, and Martin Salois, A hybrid genetic algorithm for the vehicle routing problem with time windows and itinerary constraints, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 44-51.
- [20] Michael L. Best, Coevolving mutualists guide simulated evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 941.
- [21] Hans-Georg Beyer and Dirk V. Arnold, Fitness noise and localization errors of the optimum in general quadratic fitness models, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H.

- Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 817–824.
- [22] Stefan Boettcher and Allon G. Percus, Extremal optimization: Methods derived from co-evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 825–832.
- [23] Celia C. Bojarczuk, Heitor S. Lopes, and Alex A. Freitas, Discovering comprehensible classification rules by using genetic programming: a case study in a medical domain, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 953–958.
- [24] Andrea Bonarini, Comparing reinforcement learning algorithms applied to crisp and fuzzy learning classifier systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 52–59.
- [25] Christopher R. Bonham and Ian C. Parmee, An investigation of exploration and exploitation within cluster oriented genetic algorithms (cogas), Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1491–1497.
- [26] Peter A. N. Bosman and Dirk Thierens, Linkage information processing in distribution estimation algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 60-67.
- [27] Markus Brameier, Frank Hoffmann, Peter Nordin, Wolfgang Banzhaf, and Frank Francone, Parallel machine code genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1228.
- [28] Jurgen Branke, Massimo Cutaia, and Heinrich Dold, Reducing genetic drift in steady state evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 68-74.
- [29] Carlos A. Brizuela and Nobuo Sannomiya, A diversity study in genetic algorithms for job shop scheduling problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 75–82.
- [30] Larry Bull, On using zcs in a simulated continuous double-auction market, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 83-90.
- [31] Stephane Calderoni, Behavior-based control system in multiagent domain, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1439.

- [32] Angelo Cangelosi, Heterochrony and adaptation in developing neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1241–1248.
- [33] Erick Cantu-Paz, Migration policies and takeover times in genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 775.
- [34] \_\_\_\_\_\_\_, Topologies, migration rates, and multi-population parallel genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 91–98.
- [35] Hongqing Cao, Lishan Kang, and Yuping Chen, Evolutionary modeling of ordinary differential equations for dynamic systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 959–965.
- [36] Lijuan Cao and Tay Eng Hock (Francis), Neuro-genetic based method to the classification of acupuncture needle: A case study, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 99-105.
- [37] Lijuan Cao, Tay Eng Hock (Francis), Ma Lawrence, and Wai Cheong Yeong, Classification of the market states using neural network, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 776.
- [38] P. A. Castillo, V. Rivas, J. J. Merelo, J. Gonzalez, A. Prieto, and G. Romero, *G-prop-iii: Global optimization of multilayer perceptrons using an evolutionary algorithm*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 942.
- [39] Robert Cattral, Franz Oppacher, and Dwight Deugo, Rule acquisition with a genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 778.
- [40] Zeke S. H. Chan, H. W. Ngan, and A. B. Rad, Minimum-allele-reserve-keeper (mark): A fast and effective mutation scheme for genetic algorithm (ga), Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 106–113.
- [41] Shu-Heng Chen and Tzu-Wen Kuo, Towards an agent-based foundation of financial econometrics: An approach based on genetic-programming artificial markets, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 966.
- [42] Shu-Heng Chen, Wei-Yuan Lin, and Chueh-Iong Tsao, Genetic algorithms, trading strategies and stochastic processes: Some new evidence from monte carlo simulations, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 114–121.

- [43] Stephen Chen, Cesar Guerra-Salcedo, and Stephen F. Smith, Non-standard crossover for a standard representation commonality-based feature subset selection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 129–134.
- [44] Stephen Chen and Stephen F. Smith, Improving genetic algorithms by search space reductions (with applications to flow shop scheduling), Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 135–140.
- [45] \_\_\_\_\_\_, Introducing a new advantage of crossover: Commonality-based selection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 122–128.
- [46] Maezawa Chikara and Atsumi Masayasu, Collaborative learning agents with structural classifier systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 777.
- [47] Fuey Sian Chong and W. B. Langdon, Java based distributed genetic programming on the internet, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1229.
- [48] Chao-Hsien Chu, G. Premkumar, Carey Chou, and Jianzhong Sun, *Dynamic degree constrained network design: A genetic algorithm approach*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 141–148.
- [49] Mark Coletti, Thomas D. Lash, Ryszard Michalski, Craig Mandsager, and Rida Moustafa, Comparing performance of the learnable evolution model and genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 779.
- [50] Pierre Collet, Evelyne Lutton, Frederic Raynal, and Marc Schoenauer, *Individual gp: an alternative viewpoint for the resolution of complex problems*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 974–981.
- [51] J. J. Collins and Conor Ryan, Non-stationary function optimization using polygenic inheritance, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 781.
- [52] J. J. Collins, Lucia Sheehan, and Conor Casey, Genetic planner for a mobile robot navigation system, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 782.
- [53] Trevor D. Collins, A comparison of search space visualization techniques, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 780.

- [54] David Corney and Ian Parmee, N-dimensional surface mapping using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1230.
- [55] Lino Costa and Pedro Oliveira, Gas in global optimization of mixed integer non-linear problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1773.
- [56] Carlos Cotta, Enrique Alba, and Jose M. Troya, Improving the scalability of dynastically optimal forma recombination by tuning the granularity of the representation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 783.
- [57] Kelly D. Crawford, Michael D. McCormack, and Donald J. MacAllister, Modified gradient techniques for normalized solution vectors, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1498–1503.
- [58] Dragan Cvetkovic and Ian C. Parmee, Use of preferences for ga-based multi-objective optimisation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1504–1509.
- [59] Jason M. Daida, Derrick S. Ampy, Michael Ratanasavetavadhana, Hsiaolei Li, and Omar A. Chaudhri, Challenges with verification, repeatability, and meaningful comparison in genetic programming: Gibson's magic, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1851–1858.
- [60] Jason M. Daida, John A. Polito, Steven A. Stanhope, Robert R. Bertram, Jonathan C. Khoo, and Shahbaz A. Chaudhary, What makes a problem gp-hard? analysis of a tunably difficult problem in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 982–989.
- [61] Dipankar Dasgupta, Yuehua Cao, and Congjun Yang, An immunogenetic approach to spectra recognition, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 149-155.
- [62] G. F. Davenport, M. D. Ryan, and V. J. Rayward-Smith, Rule induction using a reverse polish representation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 990–995.
- [63] H. de Garis, A. Buller, M. Korkin, F. Gers, N. E. Nawa, and M. Hough, 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 (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1233.

- [64] Russell Deaton, Reaction temperature constraints in dna computing, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1803–1804.
- [65] Kalyanmoy Deb, Construction of test problems for multi-objective optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 164-171.
- [66] Kalyanmoy Deb and Hans-Georg Beyer, Self-adaptation in real-parameter genetic algorithms with simulated binary crossover, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 172-179.
- [67] Myriam Delgado, Fernando Von Zuben, and Fernando Gomide, Modular and hierarchial evolutionary design of fuzzy systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 180–187.
- [68] Lisa M. Desjarlais, Mohammad-R. Akbarzadeh-T., and Craig W. Wright, Control system optimization using genetic algorithms within the softlab toolkit, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1774.
- [69] Antonello Dessi, Antonella Giani, and Antonia Starita, An analysis of automatic subroutine discovery in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 996-1001.
- [70] David Digby and William Seffens, Evolutionary algorithm analysis of the biological genetic codes, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1440.
- [71] Christos Dimopoulos and Ali MS Zalzala, Evolving scheduling policies through a genetic programming framework, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1231.
- [72] Peter Dittrich, Andre Skusa, Wolfgang Kantschik, and Wolfgang Banzhaf, Dynamical properties of the fitness landscape of a gp controlled random morphology robot, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1002–1008.
- [73] Stefan Droste, Thomas Jansen, and Ingo Wegener, Perhaps not a free lunch but at least a free appetizer, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 833–839.
- [74] R. Dupas, G. Cavory, and G. Goncalves, Real-world applications. optimising the throughput of a manufacturing production line using a genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason

- Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1775.
- [75] E. William East, Infrastructure work order planning using genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1510-1516.
- [76] Marc Ebner and Andreas Zell, Evolving a behavior-based control architecture- from simulations to the real world, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1009–1014.
- [77] William Edelson and Michael L. Gargano, Efficient calculation of compute-intensive fitness in genetic computations using a survival indicator for population members, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 784.
- [78] A. E. Eiben, D. Elia, and J. I. van Hemert, Population dynamics and emerging mental features in aegis, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1257–1264.
- [79] Mohammed A. El-Beltagy, Prasanth B. Nair, and Andy J. Keane, Metamodeling techniques for evolutionary optimization of computationally expensive problems: Promises and limitations, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 196–203.
- [80] Craig Eldershaw and Stephen Cameron, Real-world applications: Motion planning using gas, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1776.
- [81] Matthew Evett, Taghi Khoshgoftaar, Pei der Chien, and Edward Allen, Modelling software quality with gp, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1232.
- [82] I. De Falco, A. Iazzetta, E. Tarantino, A. Della Cioppa, and A. Iacuelli, Towards a simulation of natural mutation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 156–163.
- [83] Francine Federman, Gayle Sparkman, and Stephanie Watt, Representation of music in a learning classifier system utilizing bach chorales, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 785.
- [84] Carlos Fernandes, Joao Paulo Caldeira, Fernando Melicio, and Agostinho Rosa, Evolutionary algorithm for school timetabling, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1777.

- [85] J. Jaime Fernandez Jr. and Ian D. Walker, A biologically inspired fitness function for robotic grasping, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1517–1522.
- [86] Gianluigi Folino, Clara Pizzuti, and Giandomenico Spezzano, A cellular genetic programming approach to classification, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1015–1020.
- [87] Frank D. Francone, Markus Conrads, Wolfgang Banzhaf, and Peter Nordin, Homologous crossover in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1021–1026.
- [88] Marc Fuchs, Dirk Fuchs, and Matthias Fuchs, Generating lemmas for tableau-based proof search using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1027-1032.
- [89] Matthias Fuchs, Large populations are not always the best choice in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1033-1038.
- [90] Alex S. Fukunaga, Portfolios of genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 786.
- [91] Yoshikazu Fukuyama, Shinichi Takayama, Yosuke Nakanishi, and Hirotaka Yoshida, A particle swarm optimization for reactive power and voltage control in electric power systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1523–1528.
- [92] Hiroshi Furutani, Analytical solutions for infinite population genetic algorithms on multiplicative landscape, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 204–211.
- [93] Alexei A. Gaivoronski, Modeling of complex economic systems with agent nets, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1265-1272.
- [94] John C. Gallagher and Randall D. Beer, Evolution and analysis of dynamical neural networks for agents integrating vision, locomotion, and short-term memory, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1273–1280.
- [95] Marcus Gallagher, Marcus Frean, and Tom Downs, Real-valued evolutionary optimization using a flexible probability density estimator, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H.

- Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 840–846.
- [96] Max H. Garzon, Russell J. Deaton, and Ken Barnes, On self-assembling graphs in vitro, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1805–1809.
- [97] Robert Ghanea-Hercock, Divine T. Ndumu, and Jaron Collis, Distributed genetic programming with mobile agents, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1441.
- [98] Matthew R. Glickman and Katia Sycara, Evolution of goal-directed behavior from limited information in a complex environment, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1281–1288.
- [99] David E. Goldberg, Using time efficiently: Genetic-evolutionary algorithms and the continuation problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 212-219.
- [100] David E. Goldberg and Siegfried Voessner, *Optimizing global-local search hybrids*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 220–228.
- [101] Igor E. Golovkin, Roberto C. Mancini, and Sushil J. Louis, *Plasma x-ray spectra analysis using genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1529–1534.
- [102] Francisco Gordillo, Ismael Alcala, and Javier Aracil, A tool for solving differential games with coevolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1535-1542.
- [103] V. Scott Gordon, Rebecca Pirie, Adam Wachter, and Scottie Sharp, Terrain-based genetic algorithm (tbga): Modeling parameter space as terrain, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 229–235.
- [104] Martina Gorges-Schleuter, An analysis of local selection in evolution strategies, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 847–854.
- [105] Jens Gottlieb, Evolutionary algorithms for multidimensional knapsack problems: the relevance of the boundary of the feasible region, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 787.

- [106] Marko Gronroos, A comparison of some methods for evolving neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1442.
- [107] Cesar Guerra-Salcedo and Darrell Whitley, Genetic approach to feature selection for ensemble creation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 236–243.
- [108] Alexis Guigue, Sofiane Oussedik, and Daniel Delahaye, Sequencing aircraft landings by genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 788.
- [109] Tim Hackworth, India and pakistan, a classic "richardson" arms race: A genetic algorithmic approach, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1543–1550.
- [110] Gary L. Haith, Silvano P. Colombano, Jason D. Lohn, and Dimitris Stassinopoulos, Coevolution for problem simplification, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 244–251.
- [111] Hisashi Handa, Osamu Katai, Tadataka Konishi, and Mitsuru Baba, Coevolutionary genetic algorithms for solving dynamic constraint satisfaction problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 252–257.
- [112] Akira Hara and Tomoharu Nagao, Emergence of the cooperative behavior using adg; automatically defined groups, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1039–1046.
- [113] Georges R. Harik and Fernando G. Lobo, A parameter-less genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 258–265.
- [114] Laura J. Harrell and S. Ranji Ranjithan, Evaluation of alternative penalty function implementations in a watershed management design problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1551–1558.
- [115] S. D. Harris, L. Elliott, D. B. Ingham, M. Pourkashanian, and C. W. Wilson, The retrieval of chemical reaction rates using genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1780.
- [116] S. D. Harris, R. Mustata, L. Elliott, D. B. Ingham, and D. Lesnic, *Parameter identification within rocks using genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation

- Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1779.
- [117] Emma Hart and Peter Ross, An immune system approach to scheduling in changing environments, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1559–1566.
- [118] William E. Hart, Comparing evolutionary programs and evolutionary pattern search algorithms: A drug docking application, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 855–862.
- [119] Adrian R. Hartley, Accuracy-based fitness allows similar performance to humans in static and dynamic classification environments, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 266–273.
- [120] Brad Harvey, James Foster, and Deborah Frincke, Towards byte code genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1234.
- [121] K. Burton Harvey and Chrisila C. Pettey, *The outlaw method for solving multimodal functions with split ring parallel genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 274–280.
- [122] Robert B. Heckendorn, Soraya Rana, and Darrell Whitley, *Polynomial time summary statistics* for a generalization of maxsat, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 281–288.
- [123] Guy Helmer, Johnny Wong, Vasant Honavar, and Les Miller, Feature selection using a genetic algorithm for intrusion detection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1781.
- [124] German Hernandez, Jerome A. Goldstein, and Fernando Niao, Stochastic differential model for evolutionary algorithms over continuous spaces, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 863–870.
- [125] Mark Hinchliffe, Mark Willis, and Ming Tham, Dynamic chemical process modelling using a multiple basis function genetic programming algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1782.
- [126] Shinn-Ying Ho and Xiao-I Chang, An efficient generalized multiobjective evolutionary algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 871–878.

- [127] Shinn-Ying Ho, Hung-Ming Chen, and Li-Sun Shu, Solving large knowledge base partitioning problems using an intelligent genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1567–1572.
- [128] Shinn-Ying Ho, Li-Sun Shu, and Hung-Ming Chen, Intelligent genetic algorithm with a new intelligent crossover using orthogonal arrays, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 289–296.
- [129] Theodore P. Hoehn and Chrisila C. Pettey, Parental and cyclic-rate mutation in genetic algorithms: An initial investigation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 297–304.
- [130] Steven A. Hofmeyr and Stephanie Forrest, *Immunity by design: An artificial immune system*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1289–1296.
- [131] John H. Holmes, Evaluating learning classifier system performance in two-choice decision tasks:

  An lcs metric toolkit, Proceedings of the Genetic and Evolutionary Computation Conference
  (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon,
  Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17
  July 1999, p. 789.
- [132] Tzung-Pei Hong, Hong-Shung Wang, and Wei-Chou Chen, Simultaneously applying multiple crossover and mutation operators, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 790.
- [133] Jeffrey Horn, Controlling the cooperative-competitive boundary in niched genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 305–312.
- [134] G. S. Hornby, M. Fujita, S. Takamura, T. Yamamoto, and O. Hanagata, Autonomous evolution of gaits with the sony quadruped robot, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1297–1304.
- [135] Gregory S. Hornby and Brian Mirtich, Diffuse versus true coevolution in a physics-based world, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1305–1312.
- [136] Daniel Howard and Simon C. Roberts, A staged genetic programming strategy for image analysis, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1047–1052.
- [137] William H. Hsu, William M. Pottenger, Michael Welge, Jie Wu, and Ting-Hao Yang, Genetic algorithms for attribute synthesis in large-scale data mining, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1783.

- [138] Hsien-Da Huang, Jih Tsung Yang, Shu Fong Shen, and Jorng-Tzong Horng, An evolution strategy to solve sports scheduling problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 943.
- [139] Francesc Xavier Llora i Fabrega and Josep Maria Garrell i Guiu, Genifer: A nearest neighbour based classifier system using ga, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 797.
- [140] Hitoshi Iba, Bagging, boosting, and bloating in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1053–1060.
- [141] Christian Igel and Kumar Chellapilla, Investigating the influence of depth and degree of genotypic change on fitness in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1061–1068.
- [142] Forrest H Bennett III, John R. Koza, Martin A. Keane, Jessen Yu, William Mydlowec, and Oscar Stiffelman, Evolution by means of genetic programming of analog circuits that perform digital functions, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1477–1483.
- [143] Forrest H Bennett III, John R. Koza, James Shipman, and Oscar Stiffelman, Building a parallel computer system for \$18,000 that performs a half peta-flop per day, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1484–1490.
- [144] H. Brown Cribbs III, Aircraft maneuvering via genetics-based adaptive agent, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1249–1256.
- [145] Hitoshi Iima and Nobuo Sannomiya, Genetic algorithm for a large-scale scheduling problem in an electric wire production process, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1784.
- [146] Mark Jelasity, *The adaptationist stance and evolutionary computation*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1859–1864.
- [147] Yong-Gun Jo and Hoon Kang, Evolutionary cellular automata for optimal path planning of mobile robots, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1443.
- [148] Maria John, David Panton, and Kevin White, Genetic algorithm for regional surveillance, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1573–1579.

- [149] Bryant A. Julstrom, Redundant genetic encodings may not be harmful, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 791.
- [150] Tatiana Kalganova, Julian F. Miller, and Terence C. Fogarty, Evolution of the digital circuits with variable layouts, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1235.
- [151] Ilkka Karanta, Topi Mikkola, Catherine Bounsaythip, Olli Jokinen, and Juha Savola, Solving wood collection problem using genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1787.
- [152] Hillol Kargupta and Kakali Sarkar, Function induction, gene expression, and evolutionary representation construction, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 313–320.
- [153] Charles L. Karr and Ken Borgelt, Modeling a grinding circuit using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1785.
- [154] Charles L. Karr and Barry Weck, Solutions to systems of nonlinear equations via genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1786.
- [155] J. Kaschel, Gunnar Kobernik, Bernd Meier, and Tobias Teich, Genetic algorithm, avoiding of deadlocks and gantt-chart-generation for the job shop scheduling problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 792.
- [156] Kengo Katayama and Hiroyuki Narihisa, Iterated local search approach using genetic transformation to the traveling salesman problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 321–328.
- [157] Edward Keedwell, Ajit Narayanan, and Dragan Savic, *Using genetic algorithms to extract rules from trained neural networks*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 793.
- [158] Maarten Keijzer and Vladan Babovic, Dimensionally aware genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1069–1076.
- [159] Robert E. Keller and Wolfgang Banzhaf, The evolution of genetic code in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1077-1082.

- [160] Claire J. Kennedy and Christophe Giraud-Carrier, A depth controlling strategy for strongly typed evolutionary programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 879–885.
- [161] Cathy Key, Non-reciprocal altruism and the evolution of paternal care, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1313–1320.
- [162] Brig Klyce, In real or artificial life, is evolutionary progress in a closed system possible?, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1444.
- [163] Joshua Knowles, David Corne, and Martin Oates, A new evolutionary approach to the degree constrained minimum spanning tree problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 794.
- [164] Gary J. Koehler, Computing simple ga expected waiting times, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 795.
- [165] Gabriella Kokai, Zoltan Toth, and Robert Vanyi, Generic evolution algorithms programming library, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1867.
- [166] Gabriella Kokai, Robert Vanyi, and Zoltan Toth, Parametric l-system description of the retina with combined evolutionary operators, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1588–1595.
- [167] Stephan Kopp, Henning S. Mortveit, and Christian M. Reidys, Sequential dynamical systems and simulation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1445.
- [168] Tim Kovacs, Deletion schemes for classifier systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 329–336.
- [169] John R. Koza, Martin A. Keane, Forrest H Bennett III, Jessen Yu, William Mydlowec, and Oscar Stiffelman, Searching for the impossible using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1083–1091.
- [170] Natalio Krasnogor, William E. Hart, Jim Smith, and David A. Pelta, Protein structure prediction with evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1596–1601.

- [171] Thiemo Krink, Brian H. Mayoh, and Zbigniew Michalewicz, A patchwork model for evolutionary algorithms with structured and variable size populations, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1321–1328.
- [172] Sourav Kundu, Complexity engineering, evolution and optimality of structures, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 796.
- [173] W. B. Langdon, Size fair and homologous tree genetic programming crossovers, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1092–1097.
- [174] A. E. Langham and P. W. Grant, A multilevel k-way partitioning algorithm for finite element meshes using competing ant colonies, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1602–1608.
- [175] Pier Luca Lanzi, Extending the representation of classifier conditions part i: From binary to messy coding, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 337–344.
- [176] Pier Luca Lanzi and Marco Colombetti, An extension to the xcs classifier system for stochastic environments, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 353–360.
- [177] Pier Luca Lanzi and Alessandro Perrucci, Extending the representation of classifier conditions part ii: From messy coding to s-expressions, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 345–352.
- [178] Chang-Yong Lee and Yoonseon Song, Evolutionary programming using the levy probability distribution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 886–893.
- [179] Joo-Young Lee and Sung-Bae Cho, Incorporating human preference into content-based image retrieval using interactive genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1788.
- [180] Patricio Lerena and Michele Courant, *Complexity in mate choice*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1446.
- [181] James R. Levenick, Swappers: Introns promote flexibility, diversity and invention, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 361–368.

- [182] Y. Li, K. F. Man, and K. S. Tang, Multiobjective genetic algorithm for rolling-horizon production planning, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1789.
- [183] Ik Soo Lim and Daniel Thalmann, How not to be a black-box: Evolution and genetic-engineering of high-level behaviours, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1329–1335.
- [184] Wen-Yang Lin, Improving parallel ordering of sparse matrices using genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1790.
- [185] Daniel H. Loughlin and S. Ranji Ranjithan, *Chance-constrained genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 369–376.
- [186] Sushil J. Louis and Rilun Tang, Interactive genetic algorithms for the traveling salesman problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 385–392.
- [187] Sushil J. Louis and Yongmian Zhang, A sequential similarity metric for case injected genetic algorithms applied to tsps, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 377–384.
- [188] Sean Luke, Shugo Hamahashi, and Hiroaki Kitano, "genetic" programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1098-1105.
- [189] C. C. Maley, Four steps toward open-ended evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1336–1343.
- [190] Elena Marchiori and Claudio Rossi, A flipping genetic algorithm for hard 3-sat problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 393–400.
- [191] Carlos E. Mariano and Eduardo Morales M., Moaq an ant-q algorithm for multiple objective optimization problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 894–901.
- [192] Jesus Marin and Ricard V. Sole, Evolutionary optimization through extinction dynamics, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1344–1349.

- [193] Robert E. Marks, David F. Midgley, Lee G. Cooper, and G. M. Shiraz, Coevolution with the genetic algorithm: Repeated differentiated oligopolies, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1609–1615.
- [194] Lionel Martin, Frederic Moal, and Christel Vrain, Declarative expression of biases in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 401–408.
- [195] Dirk C. Mattfeld, Scalable search spaces for scheduling problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1616–1621.
- [196] Craig Mautner and Richard K. Belew, Coupling morphology and control in a simulated robot, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1350–1357.
- [197] Bruce Maxwell and Sven Anderson, Training hidden markov models using population-based learning, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 944.
- [198] Ben McKay, Mark Willis, Dominic Searson, and Gary Montague, *Non-linear continuum regression using genetic programming*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1106–1111.
- [199] Nicholas Freitag McPhee and Nicholas J. Hopper, Analysis of genetic diversity through population history, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1112– 1120.
- [200] Ole J. Mengshoel and David E. Goldberg, Probabilistic crowding: Deterministic crowding with probabilistic replacement, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 409-416.
- [201] Peter Merz and Bernd Freisleben, Genetic algorithms for binary quadratic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 417–424.
- [202] Mark M. Meysenburg and James A. Foster, Random generator quality and gp performance, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1121–1126.
- [203] \_\_\_\_\_\_, Randomness and ga performance, revisited, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 425-432.

- [204] Victor V. Miagkikh and William F. Punch III, An approach to solving combinatorial optimization problems using a population of reinforcement learning agents, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1358–1365.
- [205] Julian F. Miller, Digital filter design at gate-level using evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1127–1134.
- [206] \_\_\_\_\_\_, An empirical study of the efficiency of learning boolean functions using a cartesian genetic programming approach, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1135–1142.
- [207] Cristina Mota, Heitor Ferreira, and Agostinho Rosa, Independent and simultaneous evolution of fuzzy sleep classifiers by genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1622–1629.
- [208] Rida E. Moustafa, Kenneth A. De Jong, and Edward J. Wegman, *Using genetic algorithms for adaptive function approximation and mesh generation*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 798.
- [209] Masaharu Munetomo and David E. Goldberg, Identifying linkage groups by nonlinearity/non-monotonicity detection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 433-440.
- [210] Tadahiko Murata, Hisao Ishibuchi, and Mitsuo Gen, Specification of local search directions in genetic local search algorithms for multi-objective optimization problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 441–448.
- [211] Jorge Muruzabal, Mining the space of generality with uncertainty-concerned cooperative classifiers, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 449–457.
- [212] James W. Myers, Kathryn B. Laskey, and Kenneth A. DeJong, Learning bayesian networks from incomplete data using evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 458-465.
- [213] Mori Naoki and Kita Hajime, The entropy evaluation method for the thermodynamical selection rule, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 799.
- [214] Bart Naudts and Adriaan Schippers, A motivated definition of exploitation and exploration, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA)

- (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 800.
- [215] Georges Nault, Vincent Rialle, and Jean-Guy Meunier, Progen: a genetic-based semi-automatic hypertext construction tool-first steps and experiment, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1630–1635.
- [216] Pedro Luis Kantek Garcia Navarro, Pedro P. B. de Oliveira, Fernando M. Ramos, and Haroldo F. Campos-Velho, Magnetotelluric inversion using problem-specific genetic operators, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1580–1587.
- [217] Ana Neves, Arlindo Silva, and Ernesto Costa, Evolutionary path planning for nonholonomic robots, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 466–472.
- [218] Jose Neves, Miguel Rocha, Hugo Rodrigues, Miguel Biscaia, and Jose Alves, Adaptive strategies and the design of evolutionary applications, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 473–479.
- [219] Fernando Niao, German Hernandez, and Dipankar Dasgupta, On evolution of stochastic dynamical neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 801.
- [220] Akio Nishikawa, Masami Hagiya, and Masayuki Yamamura, Virtual dna simulator and protocol design by ga, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1810–1816.
- [221] Martin Oates, David Corne, and Roger Loader, Variation in ea performance characteristics on the adaptive distributed database management problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 480-487.
- [222] Shigeru Obayashi, Daisuke Sasaki, and Yukihiro Takeguchi, Evolutionary computation of supersonic wing shape optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1791.
- [223] Gabriela Ochoa, Inman Harvey, and Hilary Buxton, On recombination and optimal mutation rates, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 488–495.
- [224] Mitsunori Ogihara, Relating the minimum model for dna computation and boolean circuits, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1817–1821.

- [225] Jae C. Oh, Effects of "physical body" on biased opponent selection in the iterated prisoner's dilemma game, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1447.
- [226] Gustavo Olague, Analysis of genetic algorithms convergence applied to mensuration problems in computer vision, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1792.
- [227] Bjorn Olsson, *Using evolutionary algorithms in the design of protein fingerprints*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1636–1642.
- [228] Michael O'Neill and Conor Ryan, Under the hood of grammatical evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1143-1148.
- [229] Isao Ono, Hajime Kita, and Shigenobu Kobayashi, 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 (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 496-503.
- [230] David W. Opitz, An evolutionary approach to feature set selection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 803.
- [231] David W. Opitz, Subhash C. Basak, and Brian D. Gute, Hazard assessment modeling: An evolutionary ensemble approach, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1643–1650.
- [232] Franz Oppacher and Mark Wineberg, The shifting balance genetic algorithm: Improving the ga in a dynamic environment, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 504-510.
- [233] Mihaela Oprea and Stephanie Forrest, How the immune system generates diversity: Pathogen space coverage with random and evolved antibody libraries, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1651–1656.
- [234] Andreas Ostermeier and Nikolaus Hansen, 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 (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 902–909.

- [235] Paolo Palazzari and Moreno Coli, Evolving probabilistic chromosomes in genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 511-518.
- [236] Gary B. Parker and Jonathan W. Mills, Adaptive hexapod gait control using anytime learning with fitness biasing, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 519–524.
- [237] Ian C. Parmee and Andrew H. Watson, *Preliminary airframe design using co-evolutionary multiobjective genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1657–1665.
- [238] A. Pazos, J. Pazos, and Alfonso R. Paton, Dna assembly and recombination for hamiltonian paths and binary words, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1822–1824.
- [239] Alejandro Pazos, A. Santos del Riego, Julian Dorado, and J. J. Romero Cardalda, Adaptive aspects of rhythmic composition: Genetic music, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1794.
- [240] Alejandro Pazos, Julian Dorado, Antonino Santos, and Juan Ramon Rabunal, Optimization of gas parameters to train recurrent ann through weight adjustment and selection of activation functions, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1793.
- [241] Martin Pelikan, David E. Goldberg, and Erick Cantu-Paz, *Boa: The bayesian optimization algorithm*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 525–532.
- [242] Angela Guimaraes Pereira, Road design by evolutionary modelling of routes, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1778.
- [243] Francisco B. Pereira, Penousal Machado, Ernesto Costa, and Amilcar Cardoso, *Graph based crossover-a case study with the busy beaver problem*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1149–1155.
- [244] Simon Perkins, Evolving effective visual tracking through shaping, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1156–1161.
- [245] Mathieu Perrenoud, Marco Tomassini, Moshe Sipper, and Mose Zolla, *Evolving high-quality random number generators*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H.

- Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 804.
- [246] A. Petrowski and S. Ben Hamida, A logarithmic mutation operator to solve constrained optimization problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 805.
- [247] Andrzej J. Pindor, *Using genetic algorithm to manipulate polynomial expressions*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1666–1671.
- [248] V. P. Plagianakos and M. N. Vrahatis, Training neural networks with 3-bit integer weights, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 910-915.
- [249] Hartmut Pohlheim, Visualization of evolutionary algorithms set of standard techniques and multidimensional visualization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 533-540.
- [250] Hartmut Pohlheim and Adolf Heissner, Optimal control of greenhouse climate using real-world weather data and evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1672–1677.
- [251] Hartmut Pohlheim and Joachim Wegener, Testing the temporal behavior of real-time software modules using extended evolutionary algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1795.
- [252] Riccardo Poli, Schema theorems without expectations, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 806.
- [253] Riccardo Poli, Jonathan Page, and W. B. Langdon, 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 (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1162–1169.
- [254] Josiah Poon, Problem solving: Search, exploration and co-evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 541–548.
- [255] Mark A. Porter, Mark J. Willis, and Gary A. Montague, Modelling antibiotic production using standard and sequential hybridised symbolic annealing, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1796.

- [256] Dilip Kumar Pratihar, Kalyanmoy Deb, and Amitabha Ghosh, 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 (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1678–1684.
- [257] Joao Carlos Figueira Pujol and Riccardo Poli, Evolution of neural networks using weight mapping, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1170–1177.
- [258] Sheel Punya and Brahma Deo, Prediction of silicon content of hot metal using fuzzy-ga regression, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1685–1690.
- [259] Amr Radi and Riccardo Poli, Evolutionary discovery of learning rules for feedforward neural networks with step activation function, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1178–1183.
- [260] Anne M. Raich and Jamshid Ghaboussi, Frame design synthesis using implicit redundant genetic algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1691–1698.
- [261] Gunther R. Raidl, An evolutionary approach to point-feature label placement, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 807.
- [262] Soraya Rana, The distributional biases of crossover operators, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 549-556.
- [263] Andreas Rechsteiner and Mark A. Bedau, A generic neutral model for measuring excess evolutionary activity of genotypes, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1366–1373.
- [264] Fengrong Ren, Hiroshi Tanaka, Toshitsugu Okayama, and Takashi Gojobori, Reconstructing molecular phylogenetic tree with multifurcation by using minimum complexity principle, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1825–1828.
- [265] Alberto Ochoa Rodriguez, Finding wavelet packet bases with an estimation distribution algorithm, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 802.
- [266] John A. Rose, Russell J. Deaton, Donald R. Franceschetti, Max Garzon, and S. Edward Stevens Jr., A statistical mechanical treatment of error in the annealing biostep of dna computation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1829–1834.

- [267] Alejandro Rosete-Suarez, Alberto Ochoa-Rodriguez, and Michele Sebag, Automatic graph drawing and stochastic hill climbing, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1699–1706.
- [268] Brian J. Ross, Logic-based genetic programming with definite clause translation grammars, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1236.
- [269] Jonathan E. Rowe, Finding attractors for periodic fitness functions, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 557–563.
- [270] Mark Ryan, Justin Debuse, George Smith, and Ian Whittley, A hybrid genetic algorithm for the fixed channel assignment problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1707–1714.
- [271] Vivian Salim, Genetic algorithms in road investment planning with computational comparisons to simulated annealing and heuristics, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 808.
- [272] Ayed A. Salman, Kishan Mehrotra, and Chilukuri K. Mohan, *Linkage crossover for genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 564–571.
- [273] Rafal P. Salustowicz and Jurgen Schmidhuber, Sequence learning through pipe and automatic task decomposition, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1184-1191.
- [274] Jayshree Sarma and Kenneth De Jong, *The behavior of spatially distributed evolutionary algorithms in non-stationary environments*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 572–578.
- [275] Hidefumi Sawai and Susumu Adachi, Parallel distributed processing of a parameter-free hierarchical migration methods, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 579–586.
- [276] Shaun Saxon and Alwyn Barry, *Xcs and the monk's problems*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 809.
- [277] Ralf Schleiffer and Hans-Jurgen Sebastian, A fuzzy neighborhood based ga in fuzzy engineering design, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1797.

- [278] Nicola Senin, David R. Wallace, and Nick Borland, Object-based design modeling and optimization with genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1715-1722.
- [279] Franciszek Seredynski and Cezary Z. Janikow, *Designing cellular automata-based scheduling algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 587–594.
- [280] James G. Shanahan, James F. Baldwin, and Trevor P. Martin, Constructive induction of fuzzy cartesian granule feature models using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1237.
- [281] Oliver Sharpe, Continuing beyond nfl: Dissecting real world problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 595–602.
- [282] \_\_\_\_\_\_, Persistence, search and autopoiesis, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1374–1381.
- [283] Sotaro Shimada and Yuichiro Anzai, Fast and robust convergence of chained classifiers by generating operons through niche formation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 810.
- [284] Hisashi Shimodaira, A diversity control oriented genetic algorithm (dcga): Development and experimental results, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 603–611.
- [285] Arlindo Silva, Ana Neves, and Ernesto Costa, Genetically programming networks to evolve memory mechanisms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1448.
- [286] Anabela Borges Simoes and Ernesto Costa, *Transposition versus crossover: An empirical study*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 612–619.
- [287] Mark C. Sinclair, Optical mesh network topology design using node-pair encoding genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1192–1197.
- [288] Charles E. Smith, An application of genetic programming to investment system optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1798.

- [289] Hiroshi Someya and Masayuki Yamamura, A genetic algorithm without parameters tuning and its application on the floorplan design problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 620–627.
- [290] Geum-Beom Song and Sung-Bae Cho, Adaptive behavior of incrementally evolved neural networks based on cellular automata, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1449.
- [291] Terence Soule, Voting teams: A cooperative approach to non-typical problems using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 916–922.
- [292] A. Spalanzani, S. A. Selouani, and H. Kabre, Evolutionary algorithms for optimizing speech data projection, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1799.
- [293] Louis Steinberg and Khaled Rasheed, Optimization by searching a tree of populations, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1723–1730.
- [294] C. R. Stephens, Effect of mutation and recombination on the genotype-phenotype map, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1382–1389.
- [295] Richard Stewart and Paul L. Rosin, Neural network construction using voronoi dissections, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 811.
- [296] Adrian Stoica, Carlos-Salazar Lazaro, Didier Keymeulen, and Ken Hayworth, Evolution of cmos circuits in simulations and directly in hardware on a programmable chip, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1198–1203.
- [297] David Sturgill and Gautam Pant, Evaluation criteria for genetically-tuned problem-solving experts, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1390–1397.
- [298] Koji Sugai, Stochastic evolution on the hierarchical population, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 628-634.
- [299] Yasuhiro Suzuki and Hiroshi Tanaka, Practical and theoretical investigation of a collective work, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1450.

- [300] Stephen Swift and Xiaohui Liu, Modelling and forecasting of glaucomatous visual fields using genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1731–1737.
- [301] Keiki Takadama, Takao Terano, and Katsunori Shimohara, How to design good learning agents in organization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1398-1405.
- [302] Eiichi Takahashi, Masahiro Murakawa, Kenji Toda, and Tetsuya Higuchi, An evolvable-hardware-based clock timing architecture towards gigahz digital systems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1204–1210.
- [303] Hugo Terashima-Marin, Peter Ross, and Manuel Valenzuela-Rendon, Evolution of constraint satisfaction strategies in examination timetabling, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 635–642.
- [304] Dirk Thierens, Estimating the significant non-linearities in the genome problem-coding, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 643-648.
- [305] Yajie Tian, Nobuo Sannomiya, and Toru Yokokura, A simulation study on adaptive behavior of fish schools under environmental variation, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1451.
- [306] David S. Todd and Pratyush Sen, Directed multiple objective search of design spaces using genetic algorithms and neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1738–1743.
- [307] Andy Tomlinson and Larry Bull, On corporate classifier systems: Increasing the benefits of rule linkage, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 649– 656.
- [308] Adrian Trenaman, Further investigations into the evolution of agents with concurrent genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1452.
- [309] Shigeyoshi Tsutsui, Masayuki Yamamura, and Takahide Higuchi, Multi-parent recombination with simplex crossover in real coded genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 657–664.

- [310] Allan Tucker and Xiaohui Liu, Extending evolutionary programming methods to the learning of dynamic bayesian networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 923–929.
- [311] Eiji Uchibe, Masateru Nakamura, and Minoru Asada, Cooperative and competitive behavior acquisition for mobile robots through co-evolution, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1406–1413.
- [312] Kimitaka Uno and Akira Namatame, Evolutionary behaviors emerged through strategic interactions in the large, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1414–1421.
- [313] Christine L. Valenzuela, Evolutionary divide and conquer (ii) for the tsp, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1744–1749.
- [314] Edgar E. Vallejo and Fernando Ramos, Result-sharing: A framework for cooperation in genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1238.
- [315] S. van Dijk, D. Thierens, and M. de Berg, On the design of genetic algorithms for geographical applications, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 188–195.
- [316] Kanta Vekaria and Chris Clack, Biases introduced by adaptive recombination operators, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 670–677.
- [317] Mark S. Voss and Christopher M. Foley, Evolutionary algorithm for structural optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 678-685.
- [318] Dana Vrajitoru, Genetic programming operators applied to genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 686–693.
- [319] Nicolaas J. Vriend, The difference between individual and population genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 812.
- [320] Kyle Wagner, *Habitat, communication and cooperative strategies*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 694–701.

- [321] Reginald L. Walker, Assessment of the web using genetic programming, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1750-1755.
- [322] Richard Walker and Orazio Miglino, Simulating exploratory behavior in evolving neural networks, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1422–1428.
- [323] Paul Walsh, A functional style and fitness evaluation scheme for inducting high level programs, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1211–1216.
- [324] Hirokazu Watabe and Tsukasa Kawaoka, Solving combinatorial optimization problems with multistep genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 813.
- [325] Jean-Paul Watson, A performance assessment of modern niching methods for parameter optimization problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 702–709.
- [326] Richard A. Watson and Jordan B. Pollack, *Incremental commitment in genetic algorithms*, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 710–717.
- [327] Gary M. Weiss, Timeweaver: a genetic algorithm for identifying predictive patterns in sequences of events, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 718–725.
- [328] Tony White and Bernard Pagurek, Application oriented routing with biologically-inspired agents, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1453.
- [329] D. Whitley, A free lunch proof for gray versus binary encodings, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 726–733.
- [330] Kenneth P. Williams and Shirley A. Williams, Two evolutionary representations for automatic parallelization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1429–1436.
- [331] Kit Po Wong, Jason Yuryevich, and An Li, Evolutionary programming based method for evaluation of power flow, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1756-1761.

- [332] David Wood, Junghuei Chen, Eugene Antipov Bertrand Lemieux, and Walter Cedeno, A dna implementation of the max 1s problem, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1835–1842.
- [333] Alden H. Wright and Yong Zhao, Markov chain models of genetic algorithms, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 734–741.
- [334] Congjun Yang, Dipankar Dasgupta, and Yuehua Cao, A group encoding technique for set partitioning problems, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 742–749.
- [335] Jihoon Yang, Asok Tiyyagura, Fajun Chen, and Vasant Honavar, Feature subset selection for rule induction using ripper, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, p. 1800.
- [336] Jinn-Moon Yang and Cheng-Yan Kao, An evolutionary algorithm for continuous global optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 930–938.
- [337] John Yen, Linyu Yang, Bogju Lee, and James C. Liao, A supervisory simplex-ga approach for metabolic model optimization, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 750-757.
- [338] Takahiro Yoshimi and Toshiharu Taura, A computational model of a viewpoint-forming process in a hierarchical classifier system, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, pp. 758–766.
- [339] Mohamed M. Zahran, Ashraf H. Abdel Wahab, and Samir I. Shaheen, Adaptive genetic algorithm for multiprocessor scheduling, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 1, Morgan Kaufmann, 13-17 July 1999, p. 814.
- [340] Byoung-Tak Zhang and Je-Gun Joung, Genetic programming with incremental data inheritance, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1217–1224.
- [341] Eckart Zitzler, Jurgen Teich, and Shuvra S. Bhattacharyya, Evolutionary algorithm based exploration of software schedules for digital signal processors, Proceedings of the Genetic and Evolutionary Computation Conference (Orlando, Florida, USA) (Wolfgang Banzhaf, Jason Daida, Agoston E. Eiben, Max H. Garzon, Vasant Honavar, Mark Jakiela, and Robert E. Smith, eds.), vol. 2, Morgan Kaufmann, 13-17 July 1999, pp. 1762–1770.