Список литературы

[Abbass(2001)] Hussein A. Abbass. *A Single Queen Single Worker Honey–Bees Approach to 3-SAT.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 807–814 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Abou-Assaleh et al.(2001)Abou-Assaleh, Zhang, and Cercone] Tony Abou-Assaleh, Jianna Zhang, and Nick Cercone. *Evolution of Recurrent Neural Networks to Control Autonomous Life Agents.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 903 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Aguilar(2001)] Jose Aguilar. *Ant Colony Optimization.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 801 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Aguilar and Cerrada(2001)] Jose Aguilar and Mariela Cerrada. *Fuzzy Classifier System and Genetic Programming on System Identification Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1245–1251 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Aguilar and Leiss(2001)] Jose Aguilar and Ernst L. Leiss. *A Data Dependent Loop Scheduler Based on Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1183 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Aguirre et al.(2001)Aguirre, Tanaka, and Oshita] Hernan E. Aguirre, Kiyoshi Tanaka, and Shinjiro Oshita. *Increasing the Robustness of Distributed Genetic Algorithms by Parallel Cooperative-Competitive Genetic Operators.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 195–202 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Albert and Goldberg(2001)] Laura A. Albert and David E. Goldberg. *Efficient Evaluation Relaxation Under Integrated Fitness Functions.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 751 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Anbarasu et al.(2001)Anbarasu, Sundararajan, and Narayanasamy] L. A. Anbarasu, V. Sundararajan, and P. Narayanasamy. *Parallel genetic algorithm for performance-driven sequence alignment.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1015 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Arai and Sycara(2001)] Sachiyo Arai and Katia Sycara. *Credit Assignment Method for Learning Effective Stochastic Policies in Uncertain Domain.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram

Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 815–822 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Balling and Wilson(2001)] Richard Balling and Scott Wilson. *The Maximin Fitness Function for Multi-objective Evolutionary Computation: Application to City Planning.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1079–1084 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Barbosa and Barreto(2001)] Helio J. C. Barbosa and Andre M. S. Barreto. *An interactive genetic algorithm with co-evolution of weights for multiobjective problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 203–210 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Barry(2001)] Alwyn Barry. *A Hierarchical XCS for Long Path Environments.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 913–920 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bassett et al.(2001)Bassett, Wiegand, and De Jong] Jeffrey K. Bassett, R. Paul Wiegand, and Kenneth A. De Jong. *Evolving Multi-Agent Behaviors Using a Tunable Problem Landscape.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1133 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Belaidouni and Hao(2001)] Meriema Belaidouni and Jin-Kao Hao. *MAX-CSP and Fitness Landscapes.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 752 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Belding(2001)] Theodore C. Belding. *Potholes on the Royal Road.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 211–218 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Berlanga et al.(2001)Berlanga, Isasi, and Segovia] A. Berlanga, P. Isasi, and J. Segovia. *Interactive Evolutionary Computation with Small Population to Generate Gestures in Avatars.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 823–828 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bongard and Pfeifer(2001)] Josh C. Bongard and Rolf Pfeifer. *Repeated Structure and Dissociation of Genotypic and Phenotypic Complexity in Artificial Ontogeny.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 829–836 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Booker(2001)] Lashon B. Booker. *Classifier systems, endogenous fitness, and delayed rewards: A preliminary investigation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and

Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 921–926 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bosman and Thierens(2001)] Peter A. N. Bosman and Dirk Thierens. *Crossing the Road to Efficient IDEAS for Permutation Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 219–226 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bot et al.(2001)Bot, Urquhart, and Chisholm] Martijn C. J. Bot, Neil Urquhart, and Ken Chisholm. *Agent Motion Planning with GAs Enhanced by Memory Models*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 227–234 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bousonville(2001)] Thomas Bousonville. *Local Search and Evolutionary Computation for Arc Routing in Garbage Collection*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1137–1143 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Branke(2001)] Jurgen Branke. *Reducing the Sampling Variance when Searching for Robust Solutions*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 235–242 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Branke et al.(2001)Branke, Schmidt, and Schmeck] Jurgen Branke, Christian Schmidt, and Hartmut Schmeck. *Efficient Fitness Estimation in Noisy Environments*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 243–250 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Braud and Vrain(2001)] Agnes Braud and Christel Vrain. *A Study of the Scalability of a Data Mining Genetic Algorithm on a Distributed Database*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 753 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Bruce and Miikkulainen(2001)] Joseph Bruce and Risto Miikkulainen. *Evolving Populations of Expert Neural Networks*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 251–257 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Burke et al.(2001)Burke, Cowling, Silva, and Petrovic] E. K. Burke, P. Cowling, J. D. Landa Silva, and S. Petrovic. *Combining Hybrid Mataheuristics and Populations for the Multiobjective Optimisation of Space Allocation Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1252–1259 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Butz et al.(2001)Butz, Kovacs, Lanzi, and Wilson] Martin V. Butz, Tim Kovacs, Pier Luca Lanzi, and Stewart W. Wilson. *How XCS Evolves Accurate Classifiers.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 927–934 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Butz and Pelikan(2001)] Martin V. Butz and Martin Pelikan. *Analyzing the Evolutionary Pressures in XCS.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 935–942 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Cantu-Paz(2001)] Erick Cantu-Paz. *Single vs. Multiple Runs Under Constant Computation Cost.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 754 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Carvalho and Freitas(2001)] Deborah R. Carvalho and Alex A. Freitas. *An immunological algorithm for discovering small-disjunct rules in data mining.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 904 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Chen and Ho(2001a)] Hung-Ming Chen and Shinn-Ying Ho. *Designing an Optimal Evolutionary Fuzzy Decision Tree for Data Mining.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 943–950 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Chen and Ho(2001b)] Jian-Hung Chen and Shinn-Ying Ho. *Multi-Objective Evolutionary Optimization of Flexible Manufacturing Systems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1260–1267 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Choi and Moon(2001)] Sung-Soon Choi and Byung-Ro Moon. *A Hybrid Genetic Search for the Sorting Network Problem with Evolving Parallel Layers.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 258–265 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Christensen and Oppacher(2001)] Steffen Christensen and Franz Oppacher. *What can we learn from No Free Lunch? A First Attempt to Characterize the Concept of a Searchable Function.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1219–1226 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Coelho et al.(2001)Coelho, Weingaertner, and Von Zuben] Andre L. V. Coelho, Daniel Weingaertner, and Fernando J. Von Zuben. *Evolving Heterogeneous Neural Networks for Classification Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 266–273 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Coello and Pulido(2001)] Carlos A. Coello and Gregorio Toscano Pulido. *Multiobjective Optimization using a Micro-Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 274–282 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Congdon(2001)] Clare Bates Congdon. *An Exploration in Combatting Premature Convergence.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 755 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Corne et al.(2001)Corne, Jerram, Knowles, and Oates] David W. Corne, Nick R. Jerram, Joshua D. Knowles, and Martin J. Oates. *PESA-II: Region-based Selection in Evolutionary Multiobjective Optimization.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 283–290 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Correa et al.(2001)Correa, Steiner, Freitas, and Carnieri] Elon Santos Correa, Maria Teresinha A. Steiner, Alex A. Freitas, and Celso Carnieri. *A Genetic Algorithm for the P-Median Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1268–1275 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Craenen and Eiben(2001)] B. G. W. Craenen and A. E. Eiben. *Stepwise Adaption of Weights with Refinement and Decay on Constraint Satisfaction Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 291–298 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Dasgupta and Gonzalez(2001)] Dipankar Dasgupta and Fabio A. Gonzalez. *Evolving Complex Fuzzy Classifier Rules Using a Linear Tree Genetic Representation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 299–305 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Dastani et al.(2001)Dastani, Marchiori, and Voorn] Mehdi Dastani, Elena Marchiori, and Robert Voorn. *Finding Perceived Pattern Structures using Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 3–10 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[de Jong et al.(2001)de Jong, Watson, and Pollack] Edwin D. de Jong, Richard A. Watson, and Jordan B. Pollack. *Reducing Bloat and Promoting Diversity using Multi-Objective Methods.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 11–18 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[de Oliveira and Lorena(2001)] Alexandre Cesar Muniz de Oliveira and Luiz Antonio Nogueira Lorena. *A Constructive Genetic Algorithm for the Linear Gate Assignment Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the*

Genetic and Evolutionary Computation Conference (GECCO-2001), p. 756 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Deaton(2001)] Russell Deaton. *DNA and Quantum Computers.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 989–996 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Denzinger and Kordt(2001)] Jorg Denzinger and Michael Kordt. *On the influence of learning time on evolutionary online learning of cooperative behavior.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 837–844 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Determan and Foster(2001)] John C. Determan and James A. Foster. *A Genetic Algorithm for Expert System Rule Generation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 757 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Divina and Marchiori(2001)] Federico Divina and Elena Marchiori. *Knowledge Based Evolutionary Programming for Inductive Learning in First-Order Logic.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 173 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Doerner et al.(2001)Doerner, Hartl, and Reimann] Karl F. Doerner, Richard F. Hartl, and Marc Reimann. *Are COMPETants more competent for problem solving? - the case of a routing and scheduling problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 802 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Downing(2001a)] Keith L. Downing. *Adaptive Genetic Programs via Reinforcement Learning.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 19–26 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Downing(2001b)] Keith L. Downing. *Modular Designer Chemistries for Artificial Life.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 845–852 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Dozier(2001)] Gerry Dozier. *Evolutionary Hill-Climbing, Virtual Constraints, and Recurrent Dynamic CSPs.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 758 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Duan and Povinelli(2001)] Minglei Duan and Richard J. Povinelli. *Estimating Stock Price Predictability Using Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 174 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Ekman et al.(2001)Ekman, Magnusson, and Nordin] Magnus Ekman, Andreas Magnusson, and Peter Nordin. *Two Approaches for High-level Evolvable Hardware using Function Blocks*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1215 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[El-Maleh et al.(2001)El-Maleh, Sait, and Shazli] Aiman H. El-Maleh, Sadiq M. Sait, and Syed Z. Shazli. *An Iterative Heuristic for State Justification in Sequential Automatic Test Pattern Generation*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1019–1025 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Elhadef and Coley(2001)] Mourad Elhadef and David A. Coley. *Adaptive Mutation for Semi-Separable Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 306–312 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Enochs and Wainwright(2001)] Brandon P. Enochs and Roger L. Wainwright. *Forging Optimal Solutions to the Edge-Coloring Problem*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 313–319 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Eriksson and Lindgren(2001)] Anders Eriksson and Kristian Lindgren. *Evolution of strategies in repeated stochastic games with full information of the payoff matrix*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 853–859 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Espinoza et al.(2001)Espinoza, Minsker, and Goldberg] Felipe P. Espinoza, Barbara S. Minsker, and David E. Goldberg. *A Self Adaptive Hybrid Genetic Algorithm*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 759 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Farhang-Mehr and Azarm(2001)] Ali Farhang-Mehr and Shapour Azarm. *Multi-Objective Genetic Algorithms With Concepts from Statistical Thermodynamics*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1075 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Fernandez et al.(2001)Fernandez, Sanchez, and Tomassini] F. Fernandez, J. M. Sanchez, and M. Tomassini. *A new methodology for the Placement and Routing problem based on PADGP*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 175 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[French and Damper(2001)] R. L. B. French and R. I. Damper. *Evolving a Nervous System of Spiking Neurons for a Behaving Robot*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference*

(GECCO-2001), pp. 1099–1106 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Frey and Leugering(2001)] Clemens Frey and Gunter Leugering. *Evolving Strategies for Global Optimization - A Finite State Machine Approach.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 27–33 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Fu et al.(2001)Fu, Wilson, and Davis] Chunsheng Fu, Stewart W. Wilson, and Lawrence Davis. *Studies of the XCSI Classifier System on a Data Mining Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 985 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Fuhner and Jacob(2001)] Tim Fuhner and Christian Jacob. *EvolVision - an Evolvica visualization tool.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 176 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Fujimoto and Shimohara(2001)] Yoshiji Fujimoto and Katsunori Shimohara. *Proposal of Eco-Evolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 760 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Furutani(2001)] Hiroshi Furutani. *Study of Crossover in One Max Problem by Linkage Analysis.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 320–327 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gallagher(2001)] John C. Gallagher. *Evolution of Dynamical Neural Network Arrays to Correct Arrhythmias in a Simulated Human Heart.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1189–1196 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gao and Culberson(2001)] Yong Gao and Joseph Culberson. *The Phase Transition in NK Landscapes is Easy.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1227–1234 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gargano and Edelson(2001)] Michael L. Gargano and William Edelson. *Optimal Sequenced Matroid Bases Solved by GA's with Feasible Search Space Including Applications.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1447 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Garzon and Oehmen(2001)] Max H. Garzon and Chris Oehmen. *Distributed Virtual Test Tubes.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 997–1004 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gen and Lee(2001)] Mitsuo Gen and ChangYoon Lee. *Reliability Optimization Design Using Hybrid NN-GA with Fuzzy Logic Controller*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1448 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gerard and Sigaud(2001)] Pierre Gerard and Olivier Sigaud. *Adding a Generalization Mechanism to YACS*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 951–957 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Globus et al.(2001)Globus, Lawton, and Wipke] Al Globus, John Lawton, and Todd Wipke. *Graph Crossover*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 761 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Goldbarg and Gouvea(2001)] Marco Cesar Goldbarg and Elizabeth Ferreira Gouvea. *Extra-Intracellular Transgenetic Algorithm*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 762 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Goldberg and Sastry(2001)] David E. Goldberg and Kumara Sastry. *A Practical Schema Theorem for Genetic Algorithm Design and Tuning*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 328–335 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Goldberg et al.(2001)Goldberg, Sastry, and Latoza] David E. Goldberg, Kumara Sastry, and Thomas Latoza. *On The Supply Of Building Blocks*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 336–342 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Goto and Sato(2001)] Ryuji Goto and Yuji Sato. *Motion Analysis of Moving Objects with Genetic Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1276–1283 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Gottlieb et al.(2001)Gottlieb, Julstrom, Raidl, , and Rothlauf] Jens Gottlieb, Bryant A. Julstrom, Gunther R. Raidl, , and Franz Rothlauf. *Prufer Numbers: A Poor Representation of Spanning Trees for Evolutionary Search*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 343–350 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Greene(2001)] William A. Greene. *Non-Linear Bit Arrangements in Genetic Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 763 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Guntsch et al.(2001)Guntsch, Middendorf, and Schmeck] Michael Guntsch, Martin Middendorf, and Hartmut Schmeck. *An Ant Colony Optimization Approach to Dynamic TSP.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 860–867 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Handa et al.(2001)Handa, Horiuchi, Katai, Kaneko, Konishi, and Baba] Hisashi Handa, Tadashi Horiuchi, Osamu Katai, Takayuki Kaneko, Tadataka Konishi, and Mitsuru Baba. *Fusion of Coevolutionary GA and Machine Learning Techniques Through Effective Schema Extraction.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 764 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hart(2001)] William E. Hart. *Self-Adaptive Evolutionary Pattern Search Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1076 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hartke(2001)] Bernd Hartke. *Global geometry optimization of atomic and molecular clusters by genetic algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1284–1291 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Heckendorn(2001)] Robert B. Heckendorn. *Of Heisenberg and Epistasis.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 765 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hernandez et al.(2001)Hernandez, Ribagorda, Isasi, and Sierra] J. C. Hernandez, A. Ribagorda, P. Isasi, and J. M. Sierra. *Finding near optimal parameters for Linear Congruential Pseudorandom Number Generators by means of Evolutionary Computation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1292–1298 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hingston(2001)] Philip Hingston. *A Genetic Algorithm for Regular Inference.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1299–1306 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hornby and Pollack(2001)] Gregory S. Hornby and Jordan B. Pollack. *Body-Brain Co-evolution Using L-systems as a Generative Encoding.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 868–875 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Horng et al.(2001)Horng, Jin, and Kao] Jorng-Tzong Horng, Ming-Hui Jin, and Cheng-Yan Kao. *Solving Fixed Channel Assignment Problems by An Evolutionary Approach.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 351–358 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Howard and Roberts(2001)] Daniel Howard and Simon C. Roberts. *Genetic Programming solution of the convection-diffusion equation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 34–41 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Hsu and Hsu(2001)] William W. Hsu and Ching-Chi Hsu. *The Spontaneous Evolution Genetic Algorithm for Solving the Traveling Salesman Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 359–366 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Huang(2001a)] Chien-Feng Huang. *An Analysis of Mate Selection in Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 766 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Huang(2001b)] Chien-Feng Huang. *Independent Sampling Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 367–374 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Huber(2001)] Reinhold Huber. *Estimation of Mixture Parameters by a Hybrid GA/EM Method: Application to Radar Remote Sensing Data.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1449 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Huber and Schell(2001)] Reinhold Huber and Thomas Schell. *Mixed Size Tournament Selection.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 767 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Huhse and Zell(2001)] Jutta Huhse and Andreas Zell. *Evolution Strategy with Neighborhood Attraction - A Robust Evolution Strategy.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1026–1033 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Igel and Kreutz(2001)] Christian Igel and Martin Kreutz. *Operator Adaptation in Structure Optimization of Neural Networks.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1094 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Imamura and Foster(2001)] Kosuke Imamura and James A. Foster. *Fault-Tolerant Computing with N-Version Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 178 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Jain et al.(2001)Jain, Pohlheim, and Wegener] Brijnesh J. Jain, Hartmut Pohlheim, and Joachim Wegener. *On Termination Criteria of Evolutionary Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 768 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Jansen and Wegener(2001a)] Thomas Jansen and Ingo Wegener. *On the Utility of Populations in Evolutionary Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1034–1041 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Jansen and Wegener(2001b)] Thomas Jansen and Ingo Wegener. *Real Royal Road Functions - Where Crossover Provably Is Essential.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 375–382 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Jensen(2001a)] Mikkel T. Jensen. *Finding Worst-Case Flexible Schedules using Coevolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1144–1151 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Jensen(2001b)] Mikkel T. Jensen. *A Remark on Solving Minimax Problems with Coevolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 769 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Jiang et al.(2001)Jiang, Szeto, Luo, and Hu] Rui Jiang, K. Y. Szeto, Yupin Luo, and Dongcheng Hu. *A Genetic Algorithm Architecture by Coordinating Exploration and Exploitation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 383–390 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Jimenez et al.(2001)Jimenez, Abderraman, Cuesta, , and Winter] J. A. Jimenez, J. C. Abderraman, P. D. Cuesta, , and G. Winter. *Solving Elliptical Partial Differential Equations in a NATURAL way.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1307–1313 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Jin et al.(2001a)Jin, Leung, and Wong] Hui-Dong Jin, Kwong-Sak Leung, and Man-Leung Wong. *Genetic-guided Model-based Clustering Analysis.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 770 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Jin et al.(2001b)Jin, Olhofer, and Sendhoff] Yaochu Jin, Markus Olhofer, and Bernhard Sendhoff. *Dynamic Weighted Aggregation for Evolutionary Multi-Objective Optimization: Why Does It Work and How?* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund

Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1042–1049 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Johnson(2001)] Elizabeth L. Johnson. *Genetic Algorithms as Algorithm Adversaries.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1314–1321 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Katagiri et al.(2001)Katagiri, Hirasawa, Hu, and Murata] Hironobu Katagiri, Kotaro Hirasawa, Jinglu Hu, and Junichi Murata. *Network Structure Oriented Evolutionary Model – Genetic Network Programming–and Its Comparison with.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 179 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kee et al.(2001)Kee, Airey, and Cyre] Eric Kee, Sarah Airey, and Walling Cyre. *An Adaptive Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 391–397 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Keijzer et al.(2001)Keijzer, Babovic, Ryan, O'Neill, and Cattolico] M. Keijzer, V. Babovic, C. Ryan, M. O'Neill, and M. Cattolico. *Adaptive Logic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 42–49 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Keller and Banzhaf(2001)] Robert E. Keller and Wolfgang Banzhaf. *Evolution of Genetic Code on a Hard Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 50–56 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kennedy and Osborn(2001)] Paul J. Kennedy and Thomas R. Osborn. *A Double-Stranded Encoding Scheme with Inversion Operator for Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 398–407 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Keymeulen et al.(2001)Keymeulen, Stoica, Buehler, Zebulum, and Duong] Didier Keymeulen, Adrian Stoica, Martin Buehler, Ricardo Zebulum, and Vu Duong. *Evolutionary Mechanisms for Smart On-board Adaptive Sensing applied to the MECA Electrometer.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1197–1204 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kim and Moon(2001a)] Jong-Pil Kim and Byung-Ro Moon. *A Hybrid Genetic Search for Multi-way Graph Partitioning Based on Direct Partitioning.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 408–415 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Kim and Moon(2001b)] Jung-Hwan Kim and Byung-Ro Moon. *Adaptive and Dynamic Elevator Group Control with a Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1322–1329 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Kim and Bentley(2001)] Jungwon Kim and Peter J. Bentley. *An Evaluation of Negative Selection in an Artificial Immune System for Network Intrusion Detection.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1330–1337 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kim et al.(2001)Kim, Kim, and Moon] Su-Hyang Kim, Yong-Hyuk Kim, and Byung-Ro Moon. *A Hybrid Genetic Algorithm for the MAX CUT Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 416–423 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Knowles and Corne(2001)] Joshua D. Knowles and David W. Corne. *Benchmark Problem Generators and Results for the Multiobjective Degree-Constrained Minimum Spanning Tree Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 424–431 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Koizumi et al.(2001)Koizumi, Wakabayashi, Koide, Fujiwara, and Imura] Shinya Koizumi, Shin'ichi Wakabayashi, Tetsushi Koide, Kazunari Fujiwara, and Norimichi Imura. *A RISC Processor for High-Speed Execution of Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1338–1345 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kordon and Smits(2001)] Arthur K. Kordon and Guido F. Smits. *Soft Sensor Development Using Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1346–1351 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Korkmaz and Ucoluk(2001)] Emin Erkan Korkmaz and Gokturk Ucoluk. *Controlling the Genetic Programming Search.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 180 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kosorukoff et al.(2001)Kosorukoff, Mittenthal, and Goldberg] Alexander Kosorukoff, Jay Mittenthal, and David Goldberg. *Modeling of Evolution of Signaling Networks in Living Cells by Evolutionary Computation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 905 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Koza et al.(2001)Koza, Mydlowec, Lanza, Yu, and Keane] John R. Koza, William Mydlowec, Guido Lanza, Jessen Yu, and Martin A. Keane. *Automatic Synthesis of Both the Topology and*

Sizing of Metabolic Pathways using Genetic Programming. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 57–65 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Krasnogor and Smith(2001)] Natalio Krasnogor and Jim Smith. *Emergence of Profitable Search Strategies Based on a Simple Inheritance Mechanism.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 432–439 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Krink et al.(2001)Krink, Ursem, and Filipic] Thiemo Krink, Rasmus K. Ursem, and Bogdan Filipic. *Evolutionary Algorithms in Control Optimization: The Greenhouse Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 440–447 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Kwon and Moon(2001)] Yung-Keun Kwon and Byung-Ro Moon. *Personalized Email Marketing with a Genetic Programming Circuit Model.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1352–1358 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Langdon and Buxton(2001)] W. B. Langdon and B. F. Buxton. *Genetic Programming for Combining Classifiers.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 66–73 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Lanzi(2001)] Pier Luca Lanzi. *Mining Interesting Knowledge from Data with the XCS Classifier System.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 958–965 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Lee and Antonsson(2001)] C.-Y. Lee and E. K. Antonsson. *Adaptive Evolvability via Non-Coding Segment Induced Linkage.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 448–453 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Li and Kwan(2001)] Jingpeng Li and Raymond S. K. Kwan. *A Fuzzy Theory Based Evolutionary Approach for Driver Scheduling.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1152–1158 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Li et al.(2001)Li, Xin, Kikuchi, and Saitou] Ying Li, Xuemei Xin, Noboru Kikuchi, and Kazuhiro Saitou. *Optimal shape and location of piezoelectric materials for topology optimization of flextensional actuators.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1085–1090 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Liu et al.(2001)Liu, Swift, and Tucker] Xiaohui Liu, Stephen Swift, and Allan Tucker. *Using Evolutionary Algorithms to Tackle Large Scale Grouping Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 454–460 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Liu(2001)] Yong Liu. *How to Evolve a Cooperative Population by Minimizing Mutual Information*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1095 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Llora and Garrell(2001)] Xavier Llora and Josep M. Garrell. *Knowledge-Independent Data Mining With Fine-Grained Parallel Evolutionary Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 461–468 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Lorenc(2001)] Boris Lorenc. *Multidimensional Scaling Using Evolutionary Computation*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1450 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Lovbjerg et al.(2001)Lovbjerg, Rasmussen, and Krink] Morten Lovbjerg, Thomas Kiel Rasmussen, and Thiemo Krink. *Hybrid Particle Swarm Optimiser with Breeding and Subpopulations*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 469–476 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Luke(2001)] Sean Luke. *When Short Runs Beat Long Runs*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 74–80 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Luke and Panait(2001)] Sean Luke and Liviu Panait. *A Survey and Comparison of Tree Generation Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 81–88 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Mao et al.(2001)Mao, Hirasawa, Hu, and Murata] Jiangming Mao, Kotaro Hirasawa, Jinglu Hu, and Junichi Murata. *Genetic Symbiosis Algorithm for Multiobjective Optimization Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 771 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Martin(2001a)] Martin C. Martin. *Visual Obstacle Avoidance Using Genetic Programming: First Results*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1107–1113 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Martin(2001b)] Peter Martin. *Building a Taxonomy of Genetic Programming*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco

Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 182 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Matsui and ichi Tokoro(2001)] Shouichi Matsui and Ken ichi Tokoro. *Improving the Performance of a Genetic Algorithm for Minimum Span Frequency Assignment Problem with an Adaptive Mutation Rate and a New Initialization Method.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1359–1366 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Mehrotra et al.(2001)Mehrotra, Karr, and Zeiler] Rajiv Mehrotra, Charles L. Karr, and Thomas A. Zeiler. *Application of Genetic Algorithm to Determining Worst-Case Gust Loads and the Dynamic Response of Aircraft Structures.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1451 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Mendes et al.(2001)Mendes, de B. Voznika, Nievola, and Freitas] Roberto R. F. Mendes, Fabricio de B. Voznika, Julio C. Nievola, and Alex A. Freitas. *Discovering Fuzzy Classification Rules with Genetic Programming and Co-Evolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 183 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Menon(2001)] Anil Menon. *Building Blocks: A Combinatorial Road To Greed.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 477–484 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Michaud et al.(2001)Michaud, Zydallis, Lamont, Harmer, and Pachter] Steven R. Michaud, Jesse B. Zydallis, Gary B. Lamont, Paul K. Harmer, and Ruth Pachter. *Protein Structure Prediction with EA Immunological Computation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1367–1374 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Miconi(2001)] Thomas Miconi. *A Collective Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 876–883 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Miki et al.(2001)Miki, Hiroyasu, and Mizuta] Mitsunori Miki, Tomoyuki Hiroyasu, and Takanori Mizuta. *A New Parallel Distributed Genetic Algorithm Applied to Traveling Salesman Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 772 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Miller(2001)] Julian Miller. *Evolution of Program Size in Cartesian Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 184 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Monsieurs and Flerackers(2001)] Patrick Monsieurs and Eddy Flerackers. *Increasing the diversity of a population in genetic programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 185 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Montana(2001)] David J. Montana. *A Reconfigurable Optimizing Scheduler.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1159–1166 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Moore and Hahn(2001)] Jason H. Moore and Lance W. Hahn. *Multilocus Pattern Recognition using Cellular Automata and Parallel Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1452 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Murata et al.(2001)Murata, Kawakami, Nozawa, Gen, and Ishibuchi] Tadahiko Murata, Shuhei Kawakami, Hiroyuki Nozawa, Mitsuo Gen, and Hisao Ishibuchi. *Three-Objective Genetic Algorithms for Designing Compact Fuzzy Rule-Based Systems for Pattern Classification Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 485–492 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Naudts et al.(2001)Naudts, Schoofs, and Verschoren] Bart Naudts, Luk Schoofs, and Alain Verschoren. *Moments of Schema Fitness Distributions for Multary Alphabets.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 773 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Nawa et al.(2001)Nawa, Shimohara, and Katai] Norberto Eiji Nawa, Katsunori Shimohara, and Osamu Katai. *Equilibrium Selection in a Sequential Multi-issue Bargaining Model Using Evolutionary Algorithms: A Preliminary Study.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 906 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Neri(2001)] Filippo Neri. *Relating two cooperative learning strategies to the features of the found concept description.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 986 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Nikolaev and Iba(2001)] Nikolay Nikolaev and Hitoshi Iba. *Genetic Programming using Chebishev Polynomials.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 89–96 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Noble and Watson(2001)] Jason Noble and Richard A. Watson. *Pareto coevolution: Using performance against coevolved opponents in a game as dimensions for Pareto selection.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of*

the Genetic and Evolutionary Computation Conference (GECCO-2001), pp. 493–500 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Nomura(2001)] Tatsuya Nomura. *Behavior Analysis of Real-Valued Evolutionary Algorithms for Independent Loci in an Infinite Population.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 774 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Oliveira et al.(2001)Oliveira, de Oliveira, and Omar] Gina M. B. Oliveira, Pedro P. B. de Oliveira, and Nizam Omar. *Using Heuristics Related to Cellular Automata Behavior Forecast to Improve Genetic Search for a Grouping Task.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 181 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[O'Neill et al.(2001a)O'Neill, Brabazon, Ryan, and Collins] Michael O'Neill, Tony Brabazon, Conor Ryan, and J. J. Collins. *Developing a Market Timing System using Grammatical Evolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1375–1381 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[O'Neill et al.(2001b)O'Neill, Ryan, and Nicolau] Michael O'Neill, Conor Ryan, and Miguel Nicolau. *Grammar Defined Introns: An Investigation Into Grammars, Introns, and Bias in Grammatical Evolution.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 97–103 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Ortmann and Weber(2001)] Matthias Ortmann and Wolfgang Weber. *Calculating Robot Trajectories with parallel Evolutionary Strategies.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1453 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Parker(2001)] Gary B. Parker. *The Incremental Evolution of Gaits for Hexapod Robots.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1114–1121 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Parpinelli et al.(2001)Parpinelli, Lopes, and Freitas] Rafael S. Parpinelli, Heitor S. Lopes, and Alex A. Freitas. *An Ant Colony Based System for Data Mining: Applications to Medical Data.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 791–797 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Parthasarathy et al.(2001)Parthasarathy, Goldberg, and Burns] Prasanna V. Parthasarathy, David E. Goldberg, and Scott A. Burns. *Tackling Multimodal Problems in Hybrid Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 775 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Paton(2001)] Alfonso R. Paton. *Computing with Membranes: P Systems with DNA-worms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1016 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Patrignani(2001)] Maurizio Patrignani. *Stability of Arbitrary Genes: a New Approach to Cooperation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 907 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pech-Gourg and Hao(2001)] Nicolas Pech-Gourg and Jin-Kao Hao. *A genetic algorithm for the classification of natural corks.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1382–1388 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pedrycz and Reformat(2001)] Witold Pedrycz and Marek Reformat. *Evolutionary Optimization of Logic-Oriented Systems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1389–1396 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pei and Goodman(2001)] Huafeng Pei and Erik Goodman. *A Comparison of Cohort Genetic Algorithms with Canonical Serial and Island-Model Distributed GA's.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 501–510 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pelikan and Goldberg(2001)] Martin Pelikan and David E. Goldberg. *Escaping Hierarchical Traps with Competent Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 511–518 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pelikan et al.(2001)Pelikan, Goldberg, and Sastry] Martin Pelikan, David E. Goldberg, and Kumara Sastry. *Bayesian Optimization Algorithm, Decision Graphs, and Occam's Razor.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 519–526 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pereira and Costa(2001)] Francisco B. Pereira and Ernesto Costa. *Understanding the Role of Learning in the Evolution of Busy Beavers: a Comparison Between the Baldwin Effect and a Lamarckian Strategy.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 884–891 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pesic et al.(2001)Pesic, Durand, and Alliot] Brankica Pesic, Nicolas Durand, and Jean-Marc Alliot. *Aircraft Ground Traffic Optimisation using a Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1397–1404 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Pindor(2001)] Andrzej J. Pindor. *GA313 Genetic Algorithm for systems with 2D genotype.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 776 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Poland and Zell(2001)] Jan Poland and Andreas Zell. *Main Vector Adaptation: A CMA Variant with Linear Time and Space Complexity.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1050–1055 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Poli and McPhee(2001)] Riccardo Poli and Nicholas Freitag McPhee. *Exact Schema Theory for GP and Variable-length GAs with Homologous Crossover.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 104–111 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Poli et al.(2001)Poli, Rowe, and McPhee] Riccardo Poli, Jonathan E. Rowe, and Nicholas Freitag McPhee. *Markov Chain Models for GP and Variable-length GAs with Homologous Crossover.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 112–119 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Poon and Prasher(2001)] Josiah Poon and Sham Prasher. *A Hybrid Approach to Support Interactive Data Mining.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 527–534 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Portmann and Aloulou(2001)] Marie-Claude Portmann and Mohammed-Ali Aloulou. *Data oriented genetic operators for one-machine scheduling problems'.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1184 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Potvin and De Ladurantaye(2001)] Jean-Yves Potvin and Daniel De Ladurantaye. *A Hybrid Genetic Algorithm for the Generalized Traveling Salesman Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1167–1172 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Poupaert and Deville(2001)] Eric Poupaert and Yves Deville. *Acceptance Driven Local Search and Evolutionary Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1173–1180 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Qi and Sun(2001)] Dehu Qi and Ron Sun. *GA-Based Multi-Agent Reinforcement Learning for Playing Backgammon.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 777 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Reed et al.(2001)Reed, Minsker, and Goldberg] Patrick M. Reed, Barbara S. Minsker, and David E. Goldberg. *Designing A New Elitist Nondominated Sorted Genetic Algorithm For A Multiobjective Long Term Groundwater Monitoring Application.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1454 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Rhyne, II and Smith, III(2001)] Robert D. Rhyne, II and James F. Smith, III. *A Game Based Approach to Co-evolutionary Optimization.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 908 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Riopka and Bock(2001)] Terry P. Riopka and Peter Bock. *The Relevance of Genotypic Learning in the CLGA.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 778 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Roberts et al.(2001)Roberts, Howard, and Koza] Simon C. Roberts, Daniel Howard, and John R. Koza. *Subtree encapsulation versus ADFs in GP for parity problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 186 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Roos(2001)] Robert S. Roos. *The Patchy GA and Domination Problems.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 779 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Ross(2001)] Brian J. Ross. *The Evaluation of a Stochastic Regular Motif Language for Protein Sequences.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 120–128 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Rowe and McPhee(2001)] Jonathan E. Rowe and Nicholas Freitag McPhee. *The effects of crossover and mutation operators on variable length linear structures.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 535–542 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Ryan et al.(2001)Ryan, O'Neill, and Azad] Conor Ryan, Michael O'Neill, and Atif Azad. *No Coercion and No Prohibition - A Position Independent Encoding Scheme for Evolutionary Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 187 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Rychtyckyj and Reynolds(2001)] Nestor Rychtyckyj and Robert G. Reynolds. *Using Cultural Algorithms to Improve Knowledge Base Maintainability.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1405–1412 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Rylander et al.(2001)Rylander, Soule, Foster, and Alves-Foss] Bart Rylander, Terry Soule, James Foster, and Jim Alves-Foss. *Quantum Evolutionary Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1005–1011 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sait et al.(2001)Sait, Youssef, and Khan] Sadiq M. Sait, Habib Youssef, and Junaid A. Khan. *Fuzzy Evolutionary Algorithm for VLSI Placement.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1056–1063 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Santana et al.(2001a)Santana, Ochoa-Rodriguez, and Soto] Roberto Santana, Alberto Ochoa-Rodriguez, and Marta R. Soto. *A Factorized Distribution Algorithm for problems with integer representation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 780 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Santana et al.(2001b)Santana, Ochoa-Rodriguez, and Soto] Roberto Santana, Alberto Ochoa-Rodriguez, and Marta R. Soto. *The Mixture of Trees Factorized Distribution Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 543–550 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Sastry and Goldberg(2001)] Kumara Sastry and David E. Goldberg. *Modeling Tournament Selection With Replacement Using Apparent Added Noise.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 781 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sastry et al.(2001)Sastry, Goldberg, and Pelikan] Kumara Sastry, David E. Goldberg, and Martin Pelikan. *Don't Evaluate, Inherit.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 551–558 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sato(2001)] Yuji Sato. *Proposal for a Register Transfer Level Evolution on a Microprocessor Incorporated Flash Memory.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1216 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sbalzarini et al.(2001)Sbalzarini, Muller, Koumoutsakos, and Cottet] Ivo F. Sbalzarini, Sibylle D. Muller, Petros D. Koumoutsakos, and G.-H. Cottet. *Evolution Strategies for Computational and Experimental Fluid Dynamic Applications.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1064–1071 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Schloman and Blackford(2001)] John Schloman and Ben Blackford. *Genetic Programming Evolves a Human-Competitive Player for a Complex, On-line, Interactive, Multi-Player Game of Strategy.*

In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 188 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Schmiedle et al.(2001)Schmiedle, Drechsler, Grosse, and Drechsler] Frank Schmiedle, Nicole Drechsler, Daniel Grosse, and Rolf Drechsler. *Priorities in Multi-Objective Optimization for Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 129–136 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Schmitt and Rothlauf(2001)] Florian Schmitt and Franz Rothlauf. *On the Importance of the Second Largest Eigenvalue on the Convergence Rate of Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 559–564 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Schumacher et al.(2001)Schumacher, Vose, and Whitley] C. Schumacher, M. D. Vose, and L. D. Whitley. *The No Free Lunch and Problem Description Length.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 565–570 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sehitoglu and Ucoluk(2001)] Onur Tolga Sehitoglu and Gokturk Ucoluk. *A Building Block Favoring Reordering Method for Gene Positions in Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 571–575 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Seo et al.(2001)Seo, Goodman, and Rosenberg] Kisung Seo, Erik D. Goodman, and Ronald C. Rosenberg. *First Steps toward Automated Design of Mechatronic Systems Using Bond Graphs and Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 189 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Shibata and Fujii(2001)] Hajime Shibata and Nobuo Fujii. *Analog Circuit Synthesis Based on Reuse of Topological Features of Prototype Circuits.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1205–1214 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Shimodaira(2001)] Hisashi Shimodaira. *A Diversity-Control-Oriented Genetic Algorithm (DCGA): Performance Improvement by the Reinitialization of the Population.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 576–583 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Simoes and Costa(2001)] Anabela Simoes and Ernesto Costa. *On Biologically Inspired Genetic Operators: Transformation in the Standard Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram

Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 584–591 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Sinha and Goldberg(2001)] Abhishek Sinha and David E. Goldberg. *Verification and Extension of the Theory of Global-Local Hybrids.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 592–598 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Smith(2001)] Jim Smith. *Modelling Gas with Self Adaptive Mutation Rates.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 599–606 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Soh et al.(2001)Soh, Tsatsoulis, Jones, and Agah] Leen-Kiat Soh, Costas Tsatsoulis, Mara Elizabeth Jones, and Arvin Agah. *Evolving Cases for Case-Based Reasoning Multiagent Negotiations.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 909 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Someya and Yamamura(2001)] Hiroshi Someya and Masayuki Yamamura. *Toroidal Search Space Conversion for Robust Real-coded Genetic Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 782 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Soper and Walshaw(2001)] Alan Soper and Chris Walshaw. *A Generational Scheme for Partitioning Graphs.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 607–614 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Soule(2001)] Terence Soule. *Using Genetic Algorithms to Evolve Cooperative Teams.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 783 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Soule and Ball(2001)] Terence Soule and Amy E. Ball. *A Genetic Algorithm with Multiple Reading Frames.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 615–622 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Soule and Heckendorn(2001)] Terence Soule and Robert B. Heckendorn. *Function Sets in Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 190 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Spector(2001)] Lee Spector. *Autoconstructive Evolution: Push, PushGP, and Pushpop.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 137–146 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Spector et al.(2001)Spector, Goodman, Wu, Langdon, Voigt, Gen, Sen, Dorigo, Pezeshk, Garzon, and Burke] Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.). *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)* (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Srivastava and Goldberg(2001)] Ravi P. Srivastava and David E. Goldberg. *Verification of the Theory of Genetic Algorithm Continuation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 623–630 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Stephens(2001)] C. R. Stephens. *Some Exact Results from a Coarse Grained Formulation of Genetic Dynamics.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 631–638 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Streeter and Becker(2001)] Matthew Streeter and Lee A. Becker. *Automated Discovery of Numerical Approximation Formulae Via Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 147–154 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Suzuki and Sawai(2001)] Hideaki Suzuki and Hidefumi Sawai. *Schema Evolution Equation Using Quasi-schema Representation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 784 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tamaddoni-Nezhad and Muggleton(2001)] Alireza Tamaddoni-Nezhad and Stephen Muggleton. *Using Genetic Algorithms for Learning Clauses in First-Order Logic.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 639–646 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tan et al.(2001a)Tan, Khor, Heng, and Lee] K. C. Tan, E. F. Khor, C. M. Heng, and T. H. Lee. *Exploratory Multi-Objective Evolutionary Algorithm: Performance Study and Comparisons.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 647–654 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Tan et al.(2001b)Tan, Lee, Khor, Heng, and Khoo] K. C. Tan, T. H. Lee, E. F. Khor, C. M. Heng, and D. Khoo. *Nonlinear Constraint Handling Technique via Angular Transformation.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 655–662 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Teich et al.(2001a)Teich, Fischer, Vogel, and Fischer] Tobias Teich, Marco Fischer, Andre Vogel, and Jens Fischer. *A new Ant Colony Algorithm for the Job Shop Scheduling Problem.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 803 (Morgan Kaufmann, San Francisco, California, USA, 2001a). ISBN 1-55860-774-9.

[Teich et al.(2001b)Teich, Meier, and Schallner] Tobias Teich, Horst Meier, and Harald Schallner. *Application Service Providing for Shop Floor Scheduling in Non-Hierarchical Regional Production Networks using Genetic Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1455 (Morgan Kaufmann, San Francisco, California, USA, 2001b). ISBN 1-55860-774-9.

[Thierens and Bosman(2001)] Dirk Thierens and Peter A. N. Bosman. *Multi-Objective Mixture-based Iterated Density Estimation Evolutionary Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 663–670 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tiwari et al.(2001)Tiwari, Roy, Jared, and Munaux] Ashutosh Tiwari, Rajkumar Roy, Graham Jared, and Olivier Munaux. *Interaction and Multi-objective Optimisation*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 671–678 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tomlinson and Bull(2001)] Andy Tomlinson and Larry Bull. *CXCS: Improvements and Corporate Generalization*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 966–973 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Topchy and Punch(2001)] Alexander Topchy and W. F. Punch. *Faster Genetic Programming based on Local Gradient Search of Numeric Leaf Values*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 155–162 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Toshine et al.(2001)Toshine, Iwauchi, Wakabayashi, Koide, and Nishimura] Naoyoshi Toshine, Nobuyuki Iwauchi, Shin'ichi Wakabayashi, Tetsushi Koide, and Isao Nishimura. *A Parallel Genetic Algorithm with Adaptive Adjustment of Genetic Parameters*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 679–686 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tsai et al.(2001)Tsai, Yang, and Kao] Huai-Kuang Tsai, Jinn-Moon Yang, and Cheng-Yan Kao. *A Genetic Algorithm for Traveling Salesman Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 687–693 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tsutsui et al.(2001)Tsutsui, Goldberg, and Sastry] Shigeyoshi Tsutsui, David E. Goldberg, and Kumara Sastry. *Simplex Crossover and Linkage Learning in Real-Coded GAs*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 785 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Tyni and Ylinen(2001)] Tapio Tyni and Jari Ylinen. *Genetic Algorithms in Elevator Car Routing Problem*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt,

Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1413–1422 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Uchibe et al.(2001)Uchibe, Yanase, and Asada] Eiji Uchibe, Masakazu Yanase, and Minoru Asada. *Evolution for Behavior Selection Accelerated by Activation/Termination Constraints*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1122–1129 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[van Bragt and La Poutre(2001)] D. D. B. van Bragt and J. A. La Poutre. *Generating Efficient Automata for Negotiations - An Exploration with Evolutionary Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1093 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[van den Bergh and Engelbrecht(2001)] F. van den Bergh and A. P. Engelbrecht. *Effects of Swarm Size on Cooperative Particle Swarm Optimisers*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 892–899 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[van Hemert and Jansen(2001)] J. I. van Hemert and M. L. M. Jansen. *An Engineering Approach to Evolutionary Art*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 177 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Van Hoyweghen et al.(2001)Van Hoyweghen, Goldberg, and Naudts] Clarissa Van Hoyweghen, David E. Goldberg, and Bart Naudts. *Building Block Superiority, Multimodality and Synchronization Problems*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 694–701 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Vanyi(2001)] Robert Vanyi. *Fitness Functions for Generated Binary Images*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 786 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Vanyi and Kokai(2001)] Robert Vanyi and Gabriella Kokai. *Giving Structural Descriptions of Tree-like Objects from Binary Images Using Genetic Programming*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 163–172 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Vazquez(2001)] Manuel Vazquez. *A Comparison of Genetic Algorithms and Tabu Search Techniques for the Resource-Constrained Project Scheduling Problem*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1185 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Vitrano and Povinelli(2001)] James B. Vitrano and Richard J. Povinelli. *Selecting Dimensions and Delay Values for a Time-Delay Embedding Using a Genetic Algorithm.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1423–1430 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Vrajitoru(2001)] Dana Vrajitoru. *Nested Genetic Algorithms with Problem Division.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 787 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wakabayashi and Ohsako(2001)] Shin'ichi Wakabayashi and Masakazu Ohsako. *A Genetic Algorithm for Generating a Steiner Tree with Wire Sizing and Buffer Insertion.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1431–1438 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Watson and Pollack(2001)] Richard A. Watson and Jordan B. Pollack. *Coevolutionary Dynamics in a Minimal Substrate.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 702–709 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Weinert and Stautner(2001)] Klaus Weinert and Marc Stautner. *Reconstruction of Particle Flow Mechanisms with Symbolic Regression via Genetic Programming.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1439–1443 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Weinert et al.(2001)Weinert, Surmann, and Mehnen] Klaus Weinert, Tobias Surmann, and Jorn Mehnen. *Evolutionary Surface Reconstruction Using CSG-NURBS-Hybrids.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 1456 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wiegand et al.(2001)Wiegand, Liles, and De Jong] R. Paul Wiegand, William C. Liles, and Kenneth A. De Jong. *An Empirical Analysis of Collaboration Methods in Cooperative Coevolutionary Algorithms.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 1235–1242 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wiles et al.(2001)Wiles, Schulz, Hallinan, Bolland, and Tonkes] Janet Wiles, Ruth Schulz, Jennifer Hallinan, Scott Bolland, and Bradley Tonkes. *Probing the Persistent Question Marks.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 710–717 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wilson(2001)] Stewart W. Wilson. *Function Approximation with a Classifier System.* In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of*

the Genetic and Evolutionary Computation Conference (GECCO-2001), pp. 974–981 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wright and Agapie(2001)] Alden H. Wright and Alexandru Agapie. *Cyclic and Chaotic Behavior in Genetic Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 718–724 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wright and Farmani(2001)] J. A. Wright and R. Farmani. *Genetic Algorithms: A Fitness Formulation for Constrained Minimization*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 725–732 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wu et al.(2001)Wu, Jin, Schiavone, and Lin] Annie S. Wu, Shiyuan Jin, Guy Schiavone, and Kuo-Chi Lin. *An incremental fitness function for partitioning parallel tasks*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 733–740 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Wu and Azarm(2001)] Jin Wu and Shapour Azarm. *On a New Constraint Handling Technique for Multi-Objective Genetic Algorithms*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, pp. 741–748 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.

[Yeh and Chen(2001)] Chia-Hsuan Yeh and Shu-Heng Chen. *The Differences between Social and Individual Learning on the Time Series Properties: The Approach Based on Genetic Programming*. In Lee Spector, Erik D. Goodman, Annie Wu, W.B. Langdon, Hans-Michael Voigt, Mitsuo Gen, Sandip Sen, Marco Dorigo, Shahram Pezeshk, Max H. Garzon, and Edmund Burke (eds.) *Proceedings of the Genetic and Evolutionary Computation Conference (GECCO-2001)*, p. 191 (Morgan Kaufmann, San Francisco, California, USA, 2001). ISBN 1-55860-774-9.