

Список литературы

- [1] FOGEL, D. B. et al., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, IEEE Press, 2002.
- [2] MEADE, A. et al., Discovering patterns in microsatellite flanks with evolutionary computation by evolving discriminatory dna motifs, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1–6, IEEE Press, 2002.
- [3] ANASTASOFF, S. J., The presence of old alus in gc-rich regions of the human genome - a genetic algorithm perspective, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 7–12, IEEE Press, 2002.
- [4] ASHLOCK, D. et al., Training finite state machines to improve pcr primer design, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 13–18, IEEE Press, 2002.
- [5] MATSUMARU, N. et al., Scouting enzyme behavior, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 19–24, IEEE Press, 2002.
- [6] YEN, G. G. et al., Hierarchical rank density genetic algorithm for radial-basis function neural network design, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 25–30, IEEE Press, 2002.
- [7] TAN, K. C. et al., Autonomous registration of disparate spatial data via an evolutionary algorithm toolbox, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 31–36, IEEE Press, 2002.
- [8] THOMSON, R. et al., An evolutionary algorithm for the multi-objective optimisation of vlsi primitive operator filters, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 37–42, IEEE Press, 2002.
- [9] GAN, J. et al., Modelling niches of arbitrary shape in genetic algorithms using niche linkage in the dynamic niche clustering framework, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 43–48, IEEE Press, 2002.
- [10] HU, J. et al., The hierarchical fair competition (hfc) model for parallel evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 49–54, IEEE Press, 2002.
- [11] DROSTE, S., Analysis of the (1+1) ea for a dynamically changing onemax-variant, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 55–60, IEEE Press, 2002.
- [12] DEB, K. et al., Real-coded evolutionary algorithms with parent-centric recombination, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 61–66, IEEE Press, 2002.
- [13] CIESIELSKI, V. et al., Prevention of early convergence in genetic programming by replacement of similar programs, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 67–72, IEEE Press, 2002.
- [14] TANAKA, F. et al., Towards a general-purpose sequence design system in dna computing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 73–78, IEEE Press, 2002.
- [15] SHIN, S.-Y. et al., Evolutionary sequence generation for reliable dna computing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 79–84, IEEE Press, 2002.

- [16] YAMAMOTO, M. et al., Simulation analysis of hybridization process for dna computing with concentration control, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 85–90, IEEE Press, 2002.
- [17] NAKATSUGAWA, M. et al., Design of a pcr protocol for improving reliability of pcr in dna computing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 91–96, IEEE Press, 2002.
- [18] COSTA, L. et al., An evolution strategy for multiobjective optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 97–102, IEEE Press, 2002.
- [19] CASWELL, D. J. et al., Wire-antenna geometry design with multiobjective genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 103–108, IEEE Press, 2002.
- [20] SOCHA, K. et al., Agent-based evolutionary multiobjective optimisation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 109–114, IEEE Press, 2002.
- [21] PULLAN, W., Optimising multiple aspects of network survivability, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 115–120, IEEE Press, 2002.
- [22] THOMSEN, R. et al., A clustal alignment improver using evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 121–126, IEEE Press, 2002.
- [23] DAY, R. O. et al., Analysis of fine granularity and building block sizes in the parallel fast messy ga, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 127–132, IEEE Press, 2002.
- [24] ROWLAND, J. J. et al., Adaptive denoising in spectral analysis by genetic programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 133–138, IEEE Press, 2002.
- [25] VOLKERT, L. G., Levels of adaptation: Insights into survival in dynamic environments, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 139–144, IEEE Press, 2002.
- [26] BENDTSEN, C. N. et al., Dynamic memory model for non-stationary optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 145–150, IEEE Press, 2002.
- [27] MUELLER, S. D. et al., Step size adaptation in evolution strategies using reinforcement learning, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 151–156, IEEE Press, 2002.
- [28] WILES, J. et al., Visualisation of hierarchical cost surfaces for evolutionary computing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 157–162, IEEE Press, 2002.
- [29] LEE, S.-I. et al., Measuring evolvability in evolutionary robotics, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 163–168, IEEE Press, 2002.
- [30] TSUI, K. C. et al., Evolutionary diffusion optimization, part i: Description of the algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 169–174, IEEE Press, 2002.
- [31] MADUREIRA, A. et al., A coordination mechanism for real world scheduling problems using genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 175–180, IEEE Press, 2002.

- [32] KACPRZYK, J. et al., An integer programming approach to inductive learning using genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 181–186, IEEE Press, 2002.
- [33] Land, Jr., W. H. et al., Performance tradeoff between evolutionary computation (ec)/adaptive boosting (ab) hybrid and support vector machine breast cancer classification paradigms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 187–192, IEEE Press, 2002.
- [34] WATTS, M. et al., Evolutionary optimisation of mlp for modeling protein synthesis termination signal efficiency, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 193–198, IEEE Press, 2002.
- [35] LANDAVAZO, D. et al., Evolved neural networks for quantitative structure-activity relationships of anti-hiv compounds, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 199–204, IEEE Press, 2002.
- [36] GEARD, N. et al., A comparison of neutral landscapes - nk, nkp and nkq, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 205–210, IEEE Press, 2002.
- [37] GEARD, N. et al., Diversity maintenance on neutral landscapes - an argument for recombination, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 211–213, IEEE Press, 2002.
- [38] WRIGHT, A. H. et al., Analysis of the simple genetic algorithm on the single-peak and double-peak landscapes, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 214–219, IEEE Press, 2002.
- [39] JEONG, H.-K. et al., Evolutionary programming integrating 3-generation based mutation and local competition based selection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 220–224, IEEE Press, 2002.
- [40] LINDBLAD, F. et al., Evolving 3D model interpretation of images using graphics hardware, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 225–230, IEEE Press, 2002.
- [41] De Falco, I. et al., Unsupervised spectral pattern recognition for multispectral images by means of a genetic programming approach, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 231–236, IEEE Press, 2002.
- [42] YUIZONO, T. et al., Study on individual recognition for ear images by using genetic local search, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 237–242, IEEE Press, 2002.
- [43] SONG, A. et al., Texture classifiers generated by genetic programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 243–248, IEEE Press, 2002.
- [44] CLERGUE, M. et al., Ga-hard functions built by combination of trap functions, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 249–254, IEEE Press, 2002.
- [45] MAHNIG, T. et al., A comparison of stochastic local search and population based search, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 255–260, IEEE Press, 2002.
- [46] KIM, N. G. et al., Local convergence rate of evolutionary algorithm with combined mutation operator, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 261–266, IEEE Press, 2002.

- [47] IWASHITA, M. et al., Island model gp with immigrants aging and depth-dependent crossover, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 267–272, IEEE Press, 2002.
- [48] DAIDA, J. M., Limits to expression in genetic programming: Lattice-aggregate modeling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 273–278, IEEE Press, 2002.
- [49] RUNARSSON, T. P. et al., Continuous selection and self-adaptive evolution strategies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 279–284, IEEE Press, 2002.
- [50] YASUNAGA, M. et al., An evolutionary kernel-based reasoning system using reconfigurable vlsis: Its hardware prototyping and application to the splicing boundary problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 285–290, IEEE Press, 2002.
- [51] ANDO, S. et al., Modeling genetic network by hybrid gp, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 291–296, IEEE Press, 2002.
- [52] LIU, J. et al., Selecting informative genes using a multiobjective evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 297–302, IEEE Press, 2002.
- [53] ONO, I. et al., Global optimization of protein 3-dimensional structures in nmr by a genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 303–308, IEEE Press, 2002.
- [54] NGUYEN, H. D. et al., A parallel hybrid genetic algorithm for multiple protein sequence alignment, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 309–314, IEEE Press, 2002.
- [55] CHIBA, S. et al., Estimation of protein function with an evolutionary dictionary, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 315–320, IEEE Press, 2002.
- [56] MABU, S. et al., Online learning of genetic network programming (gnp), in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 321–326, IEEE Press, 2002.
- [57] ETZEL, J. A., "marigolds:"an evolutionary algorithm simulation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 327–332, IEEE Press, 2002.
- [58] JONKER, C. M. et al., Deliberate evolution agents: Comparing reproduction strategies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 333–338, IEEE Press, 2002.
- [59] HSIEH, F.-S., Design of evolvable manufacturing processes, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 339–344, IEEE Press, 2002.
- [60] CAMBIER, C. et al., Self-adaptive systems using a massive multi-agent system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 345–350, IEEE Press, 2002.
- [61] AL-YAMANI, A. et al., Hpts: Heterogeneous parallel tabu search for vlsi placement, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 351–355, IEEE Press, 2002.

- [62] KHOO, K. G. et al., Objective function decomposition within genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 356–359, IEEE Press, 2002.
- [63] SANO, Y. et al., Optimization of noisy fitness functions by means of genetic algorithms using history of search with test of estimation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 360–365, IEEE Press, 2002.
- [64] CUTELLO, V. et al., An evolutionary algorithm for the t-constrained variation of minimum hitting set problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 366–371, IEEE Press, 2002.
- [65] SAIT, S. M. et al., Performance and low power driven vlsi standard cell placement using tabu search, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 372–377, IEEE Press, 2002.
- [66] OH, S.-K. et al., A new distributed evolutionary algorithm for optimization in nonstationary environments, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 378–383, IEEE Press, 2002.
- [67] LIANG, Y.-C. et al., Meta heuristics for the orienteering problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 384–389, IEEE Press, 2002.
- [68] RASHEED, K. et al., Comparison of methods for developing dynamic reduced models for design optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 390–395, IEEE Press, 2002.
- [69] GREER, B. et al., Numerical optimization with neuroevolution, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 396–401, IEEE Press, 2002.
- [70] CINCOTTI, A. et al., Graph partitioning with genetic algorithms using odpx, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 402–406, IEEE Press, 2002.
- [71] KIM, K. J. et al., Evolving speciated checkers players with crowding algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 407–412, IEEE Press, 2002.
- [72] SOFGE, D. et al., A blended population approach to cooperative coevolution for decomposition of complex problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 413–418, IEEE Press, 2002.
- [73] RAY, T., Constrained robust optimal design using a multiobjective evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 419–424, IEEE Press, 2002.
- [74] KUMAR, R. et al., Topological design of communication networks using multiobjective genetic optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 425–430, IEEE Press, 2002.
- [75] BAHUMAN, A. et al., An evolutionary approach for vlsi standard cell design, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 431–436, IEEE Press, 2002.
- [76] SUNG HWANG, K. et al., Evolving diverse hardware using speciated genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 437–442, IEEE Press, 2002.
- [77] HSU, C.-C. et al., Genetic algorithms-derived digital integrators and their applications in discretization of continuous systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 443–448, IEEE Press, 2002.

- [78] HO, C. K. et al., Enhancement of a genetic algorithm for optical orthogonal code design using simulated annealing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 449–453, IEEE Press, 2002.
- [79] de Garis, H., Evolvability limits : A case study concerning the modular evolvable capacities (mecs) of a new neural net model for a second generation brain building machine bm2, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 454–459, IEEE Press, 2002.
- [80] LEE, J.-H. et al., Analysis of direct manipulation in interactive evolutionary computation on fitness landscape, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 460–465, IEEE Press, 2002.
- [81] CAZANGI, R. R. et al., Simultaneous emergence of conflicting basic behaviors and their coordination in an evolutionary autonomous navigation system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 466–471, IEEE Press, 2002.
- [82] TAKENAKA, Y. et al., Dna computing by competitive hybridization for maximum satisfiability problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 472–476, IEEE Press, 2002.
- [83] BIN, W. et al., Csim: A document clustering algorithm based on swarm intelligence, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 477–482, IEEE Press, 2002.
- [84] KIM, D. H. et al., Auto-tuning of reference based pid controller using immune algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 483–488, IEEE Press, 2002.
- [85] AL-KAZEMI, B. et al., Multi-phase generalization of the particle swarm optimization algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 489–494, IEEE Press, 2002.
- [86] SUTCLIFFE, A. et al., Optimizing system requirements with evolutionary computation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 495–499, IEEE Press, 2002.
- [87] WANG, C. et al., A hierarchical genetic algorithm for path planning in a static environment with obstacles, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 500–505, IEEE Press, 2002.
- [88] TSAI, C.-F. et al., A novel multiple-searching genetic algorithm for multimedia multicast routing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 506–511, IEEE Press, 2002.
- [89] WEN, C. et al., Genetic algorithm for logistics scheduling problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 512–516, IEEE Press, 2002.
- [90] DASGUPTA, D. et al., Evolving pc system hardware configurations, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 517–522, IEEE Press, 2002.
- [91] WATANABE, I. et al., Adaptive multiagent model of electric power market with congestion management, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 523–528, IEEE Press, 2002.
- [92] MORONI, A. et al., Capturing human judgment to simulate objective function, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 529–534, IEEE Press, 2002.

- [93] HERNANDEZ, J. C. et al., Easing collision finding in cryptographic primitives with genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 535–539, IEEE Press, 2002.
- [94] KIMIAGHALAM, B. et al., Genetic algorithm based gain scheduling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 540–545, IEEE Press, 2002.
- [95] TSUJIMURA, Y. et al., Solving a nonlinear side constrained transportation problem by using spanning tree-based genetic algorithm with fuzzy logic controller, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 546–551, IEEE Press, 2002.
- [96] DOZIER, G., A comparison of adaptive virtual constraint identification strategies for recurrent dynamic constraint satisfaction, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 552–557, IEEE Press, 2002.
- [97] LI, Y. et al., Analysis of optimal trajectory on evolutionary algorithm and some control strategies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 558–563, IEEE Press, 2002.
- [98] EBERBACH, E., On expressiveness of evolutionary computation: Is ec algorithmic?, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 564–569, IEEE Press, 2002.
- [99] WILLADSEN, K. et al., All binary representations are equal: but some are more equal than others, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 570–575, IEEE Press, 2002.
- [100] POPELA, P. et al., The formal stochastic framework for comparison of genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 576–581, IEEE Press, 2002.
- [101] EIBEN, A. E. et al., A critical note on experimental research methodology in ec, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 582–587, IEEE Press, 2002.
- [102] COLETTI, M., A preliminary study of learnable evolution methodology implemented with c4. 5, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 588–593, IEEE Press, 2002.
- [103] HO, S.-Y. et al., Design of an optimal nearest neighbor classifier using an intelligent genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 594–599, IEEE Press, 2002.
- [104] WATSON, J. et al., The rise and fall of learning: A neural network model of the genetic assimilation of acquired traits, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 600–605, IEEE Press, 2002.
- [105] WATTS, M. et al., Evolutionary optimisation of evolving connectionist systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 606–610, IEEE Press, 2002.
- [106] GUINEA, M. A. et al., Generative capacities of grammars codification for evolution of nn architectures, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 611–616, IEEE Press, 2002.
- [107] KIM, P. K. et al., Evolution of control systems for mobile robots, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 617–622, IEEE Press, 2002.

- [108] V. E. CONRADIE, A. et al., Intelligent process control utilising symbiotic memetic neuro-evolution, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 623–628, IEEE Press, 2002.
- [109] EKLUND, S. E., A massively parallel GP engine in VLSI, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 629–633, IEEE Press, 2002.
- [110] CHEN, S. Y. et al., Optimum viewpoint planning for model-based robot vision, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 634–639, IEEE Press, 2002.
- [111] MORI, K. et al., Two dimensional resolution improvement of frame images by genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 640–645, IEEE Press, 2002.
- [112] ACAN, A., Reciprocal translocation with adaptive segment length, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 646–651, IEEE Press, 2002.
- [113] LIU, Y. et al., How to control search step size in fast evolutionary programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 652–656, IEEE Press, 2002.
- [114] DUKKIPATI, A. et al., Selection by parts: ‘selection in two episodes’ in evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 657–662, IEEE Press, 2002.
- [115] MURATA, T. et al., Effect of local search on the performance of cellular multi-objective genetic algorithms for designing fuzzy rule-based classification systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 663–668, IEEE Press, 2002.
- [116] HAFNER, V. et al., Evolving neural controllers for visual navigation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 669–674, IEEE Press, 2002.
- [117] KIM, D. H., Tuning of 2-dof pid controller by immune algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 675–680, IEEE Press, 2002.
- [118] KIM, J.-W. et al., On the similarities between binary-coded ga and real-coded ga in wide search space, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 681–686, IEEE Press, 2002.
- [119] JANSSEN, M. A. et al., An application of immunocomputing to the evolution of rules for ecosystem management, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 687–692, IEEE Press, 2002.
- [120] NINO, F. et al., A change detection software agent based on immune mixed selection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 693–698, IEEE Press, 2002.
- [121] de Castro, L. N. et al., An artificial immune network for multimodal function optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 699–704, IEEE Press, 2002.
- [122] GONZALEZ, F. et al., Combining negative selection and classification techniques for anomaly detection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 705–710, IEEE Press, 2002.

- [123] KNOWLES, J. et al., On metrics for comparing non-dominated sets, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 711–716, IEEE Press, 2002.
- [124] VALENZUELA, C., A simple evolutionary algorithm for multi-objective optimization (seamo), in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 717–722, IEEE Press, 2002.
- [125] FARHANG-MEHR, A. et al., Diversity assessment of pareto-optimal solution sets: An entropy approach, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 723–728, IEEE Press, 2002.
- [126] TASSIER, T. et al., Agent-based models as a complement to economic theory: A durable goods example, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 729–734, IEEE Press, 2002.
- [127] EVERSON, M. P. et al., Evaluating strategies for foreign exchange risk reduction, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 735–740, IEEE Press, 2002.
- [128] OSTROWSKI, D. et al., Using cultural algorithms to evolve strategies in agent-based models, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 741–746, IEEE Press, 2002.
- [129] SCHLEIS, G. et al., Learning from a random player using the reference neuron model, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 747–752, IEEE Press, 2002.
- [130] CRUTCHLEY, D. et al., Using evolutionary and hybrid algorithms for dc operating point analysis of nonlinear circuits, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 753–758, IEEE Press, 2002.
- [131] KARR, C. L. et al., Determining critical gust loads on aircraft structures using an evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 759–764, IEEE Press, 2002.
- [132] GOTO, R. et al., Applicability of genetic algorithms to motion analysis of a moving object, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 765–770, IEEE Press, 2002.
- [133] STEJIC, Z. et al., Image similarity computation using local similarity patterns generated by genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 771–776, IEEE Press, 2002.
- [134] BEIELSTEIN, T. et al., Threshold selection, hypothesis tests, and doe methods, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 777–782, IEEE Press, 2002.
- [135] HUTTER, M., Fitness uniform selection to preserve genetic diversity, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 783–788, IEEE Press, 2002.
- [136] LIANG, Y. et al., Two-way mutation evolution strategies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 789–794, IEEE Press, 2002.
- [137] AGUIRRE, H. et al., Parallel varying mutation genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 795–800, IEEE Press, 2002.
- [138] WENJIAN, L. et al., An immune genetic algorithm based on immune regulation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 801–806, IEEE Press, 2002.

- [139] CAYZER, S. et al., A recommender system based on the immune network, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 807–812, IEEE Press, 2002.
- [140] BRADLEY, D. et al., A hardware immune system for benchmark state machine error detection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 813–818, IEEE Press, 2002.
- [141] COELLO, C. A. C. et al., A parallel implementation of the artificial immune system to handle constraints in genetic algorithms: Preliminary results, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 819–824, IEEE Press, 2002.
- [142] DEB, K. et al., Scalable multi-objective optimization test problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 825–830, IEEE Press, 2002.
- [143] ABBASS, H. A., The self-adaptive pareto differential evolution algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 831–836, IEEE Press, 2002.
- [144] ZHU, Z.-Y. et al., Asynchronous self-adjustable island genetic algorithm for multi-objective optimization problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 837–842, IEEE Press, 2002.
- [145] MOSTAGHIM, S. et al., Comparison of data structures for storing pareto-sets in moeas, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 843–848, IEEE Press, 2002.
- [146] BREWSTER, J. et al., Not in my backyard: A simulation of the effects of agent mobility on environmental poisoning, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 849–854, IEEE Press, 2002.
- [147] RYCHTYCKYJ, N. et al., Knowledge base maintenance using cultural algorithms: Application to the dlms manufacturing process system at ford motor company, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 855–860, IEEE Press, 2002.
- [148] REYNOLDS, R. G. et al., Simulating the evolution of the archaic states, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 861–866, IEEE Press, 2002.
- [149] GOODHALL, S. et al., Altruism, selfishness, and survival: An agent-based model of sharing behavior, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 867–871, IEEE Press, 2002.
- [150] LIN, Y.-C. et al., Hybrid differential evolution with multiplier updating method for nonlinear constrained optimization problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 872–877, IEEE Press, 2002.
- [151] CRAENEN, B. G. W. et al., An experimental comparison of sawing eas for a new class of random binary csps, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 878–883, IEEE Press, 2002.
- [152] HAMIDA, S. B. et al., Aschea: New results using adaptive segregational constraint handling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 884–889, IEEE Press, 2002.
- [153] ZOU, X. et al., A dynamical evolutionary algorithm for constrained optimization problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 890–895, IEEE Press, 2002.

- [154] KORDON, A. et al., Robust soft sensors based on integration of genetic programming, analytical neural networks, and support vector machines, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 896–901, IEEE Press, 2002.
- [155] PORTILLO, A. B. J. G.-H. J. M. M. J. B. J., Ocr parameters tuning by means of evolution strategies for aircraft’s tail number recognition, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 902–907, IEEE Press, 2002.
- [156] TAN, K. C. et al., Automating the drug scheduling of cancer chemotherapy via evolutionary computation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 908–913, IEEE Press, 2002.
- [157] HATANAKA, T. et al., Evolutionary computation approach to wiener model identification, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 914–919, IEEE Press, 2002.
- [158] COSTA, A. M. et al., Makespan minimization on parallel processors: An immune-based approach, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 920–925, IEEE Press, 2002.
- [159] WATKINS, A. B. et al., A resource limited artificial immune classifier, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 926–931, IEEE Press, 2002.
- [160] CHEH, J. J., A heuristic approach to efficient production of detector sets for an artificial immune algorithm-based bankruptcy prediction system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 932–937, IEEE Press, 2002.
- [161] TARAKANOV, A. et al., Pattern recognition by immunocomputing, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 938–943, IEEE Press, 2002.
- [162] LU, H. et al., Rank-density based multiobjective genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 944–949, IEEE Press, 2002.
- [163] ISHIBUSHI, H. et al., Selection of initial solutions for local search in multiobjective genetic local search, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 950–955, IEEE Press, 2002.
- [164] FARINA, M., A neural network based generalized response surface multiobjective evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 956–961, IEEE Press, 2002.
- [165] KADROVACH, B. A. et al., Use of mendelian pressure in a multi-objective genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 962–967, IEEE Press, 2002.
- [166] SHINKAI, M. et al., Mutation strategy improves ga’s performance on epistatic problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 968–973, IEEE Press, 2002.
- [167] TSUTSUI, S. et al., Simplex crossover and linkage identification: Single-stage evolution vs. multi-stage evolution, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 974–979, IEEE Press, 2002.
- [168] THIERENS, D., Adaptive mutation rate control schemes in genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 980–985, IEEE Press, 2002.

- [169] LONES, M. et al., Crossover and bloat in the functionality model of enzyme genetic programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 986–991, IEEE Press, 2002.
- [170] BENDTSEN, C. N. et al., Phone routing using the dynamic memory model, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 992–997, IEEE Press, 2002.
- [171] XU, J. et al., Gps attitude determination using a genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 998–1002, IEEE Press, 2002.
- [172] ZHANG, Y. et al., A constrained genetic approach for reconstructing young’s modulus of elastic objects from boundary displacement measurements, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1003–1008, IEEE Press, 2002.
- [173] MAJUMDAR, N. S. et al., Determining optimal configuration for turbine generator cooler, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1009–1014, IEEE Press, 2002.
- [174] KIM, J. et al., Toward an artificial immune system for network intrusion detection: An investigation of dynamic clonal selection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1015–1020, IEEE Press, 2002.
- [175] MICHELAN, R. et al., Decentralized control system for autonomous navigation based on an evolved artificial immune network, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1021–1026, IEEE Press, 2002.
- [176] ANCHOR, K. P. et al., The computer defense immune system: Current and future research in intrusion detection, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1027–1032, IEEE Press, 2002.
- [177] SINGH, S. P. N. et al., A foundation for kilorobotic exploration, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1033–1038, IEEE Press, 2002.
- [178] DASGUPTA, D. et al., Anomaly detection in multidimensional data using negative selection algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1039–1044, IEEE Press, 2002.
- [179] BALTHROP, J. et al., Revisting lisy: Parameters and normal behavior, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1045–1050, IEEE Press, 2002.
- [180] COELLO, C. A. C. et al., Mopso: A proposal for multiple objective particle swarm optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1051–1056, IEEE Press, 2002.
- [181] Alves da Silva, A. P. et al., Applications of evolutionary computation in electric power systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1057–1062, IEEE Press, 2002.
- [182] FALCAO, D. M., Genetic algorithms applications in electrical distribution systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1063–1068, IEEE Press, 2002.
- [183] LEE, K. Y. et al., A real-coded genetic algorithm involving a hybrid crossover method for power plant control system design, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1069–1074, IEEE Press, 2002.

- [184] KASSABALIDIS, I. N. et al., Border identification for power system security assessment using neural network inversion: An overview, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1075–1079, IEEE Press, 2002.
- [185] MIRANDA, V. et al., Epso - best-of-two worlds meta-heuristic applied to power system problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1080–1085, IEEE Press, 2002.
- [186] REVELLO, T. E. et al., Generating war game strategies using a genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1086–1091, IEEE Press, 2002.
- [187] HO, S.-Y. et al., An evolutionary approach for pose determination and interpretation of occluded articulated objects, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1092–1097, IEEE Press, 2002.
- [188] ROJAS, F. et al., Genetic algorithm approach to nonlinear blind source separation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1098–1102, IEEE Press, 2002.
- [189] COLLET, P. et al., Issues on the optimisation of evolutionary algorithms code, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1103–1108, IEEE Press, 2002.
- [190] HINGSTON, P. et al., Evolving crushers, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1109–1114, IEEE Press, 2002.
- [191] MILONE, D. H. et al., Evolutionary algorithm for speech segmentation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1115–1120, IEEE Press, 2002.
- [192] QIAO, Y. et al., A network ids with low false positive rate, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1121–1126, IEEE Press, 2002.
- [193] HUGHES, E. J., Multi-objective evolutionary guidance for swarms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1127–1132, IEEE Press, 2002.
- [194] JIMENEZ, F. et al., An evolutionary algorithm for constrained multi-objective optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1133–1138, IEEE Press, 2002.
- [195] ANG, K. H. et al., Preliminary statement on the current progress of multi-objective evolutionary algorithm performance measurement, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1139–1144, IEEE Press, 2002.
- [196] MADAVAN, N., Multiobjective optimization using a pareto differential evolution approach, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1145–1150, IEEE Press, 2002.
- [197] BASSEUR, M. et al., Design of multi-objective evolutionary algorithms: Application to the flow-shop scheduling problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1151–1156, IEEE Press, 2002.
- [198] LOHN, J. et al., Comparing a coevolutionary genetic algorithm for multiobjective optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1157–1162, IEEE Press, 2002.
- [199] SETH, A. K., Distinguishing adaptive from non-adaptive evolution using ashby’s law of requisite variety, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1163–1168, IEEE Press, 2002.

- [200] JULSTROM, B. A., A scalable genetic algorithm for the rectilinear steiner problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1169–1173, IEEE Press, 2002.
- [201] SADATI, N. et al., Genetic approach to pole placement by static output feedback, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1174–1179, IEEE Press, 2002.
- [202] IWAMATSU, M., Co-evolutionary global optimization algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1180–1184, IEEE Press, 2002.
- [203] COWLING, P. et al., An investigation of a hyperheuristic genetic algorithm applied to a trainer scheduling problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1185–1190, IEEE Press, 2002.
- [204] DARWEN, P. J., Search landscape of a realistic single-machine scheduling task: Peaks with big differences, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1191–1196, IEEE Press, 2002.
- [205] BURKE, E. K. et al., A multi criteria meta-heuristic approach to nurse rostering, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1197–1202, IEEE Press, 2002.
- [206] LI, J. et al., A fuzzy evolutionary approach with taguchi parameter setting for the set covering problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1203–1208, IEEE Press, 2002.
- [207] NIKOLAEV, N. et al., Overfitting avoidance in genetic programming of polynomials, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1209–1214, IEEE Press, 2002.
- [208] FISCHER, M. M., A novel modular product unit neural network for modelling constrained spatial interaction flows, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1215–1220, IEEE Press, 2002.
- [209] ENDOU, T. et al., Generation of comprehensible decision trees through evolution of training data, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1221–1225, IEEE Press, 2002.
- [210] ISHIDA, C. Y. et al., Gpsql miner: Sql-grammar genetic programming in data mining, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1226–1231, IEEE Press, 2002.
- [211] MINAMI, M. et al., Machine intelligence of a mobile manipulator to utilize dynamically interfered motion and nonlinear friction, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1232–1237, IEEE Press, 2002.
- [212] SARAFIS, I. et al., A genetic rule-based data clustering toolkit, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1238–1243, IEEE Press, 2002.
- [213] AVGERINOS, E. et al., Towards evolutionary optimisation for high resolution bathymetry from sidescan sonars, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1244–1249, IEEE Press, 2002.
- [214] BURCZYNSKI, T. et al., Evolutionary computation in identification of a tumor, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1250–1254, IEEE Press, 2002.
- [215] CUPERTINO, F. et al., Design of cascaded controllers for dc drives using evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1255–1260, IEEE Press, 2002.

- [216] CHRZANOWSKA-JESKE, M. et al., Combining evolution strategies with lagrangian relaxation for constructing nonslicing vlsi floorplans with soft modules, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1261–1266, IEEE Press, 2002.
- [217] CANHAM, R. O. et al., Evolved fault tolerance in evolvable hardware, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1267–1271, IEEE Press, 2002.
- [218] TAN, K. C. et al., Autonomous robot navigation via intrinsic evolution, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1272–1277, IEEE Press, 2002.
- [219] WEI, C. et al., Swarm directions embedded in fast evolutionary programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1278–1283, IEEE Press, 2002.
- [220] TSUI, K. C. et al., Evolutionary diffusion optimization, part ii: Performance assessment, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1284–1289, IEEE Press, 2002.
- [221] TSAI, H.-K. et al., Solving traveling salesman problems by combining global and local search mechanisms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1290–1295, IEEE Press, 2002.
- [222] ASHLOCK, D. et al., Greedy closure evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1296–1301, IEEE Press, 2002.
- [223] TAN, K. C. et al., Mining multiple comprehensible classification rules using genetic programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1302–1307, IEEE Press, 2002.
- [224] GHEZELAYAGH, H. et al., Intelligent predictive control of a power plant with evolutionary programming optimizer and neuro-fuzzy identifier, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1308–1313, IEEE Press, 2002.
- [225] WONG, M. L. et al., A hybrid approach to learn bayesian networks using evolutionary programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1314–1319, IEEE Press, 2002.
- [226] XU, X. et al., Evolutionary adaptive-critic methods for reinforcement learning, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1320–1325, IEEE Press, 2002.
- [227] HOAI, N. X. et al., Solving the symbolic regression problem with tree-adjunct grammar guided genetic programming: The comparative results, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1326–1331, IEEE Press, 2002.
- [228] MUNETOMO, M., Linkage identification based on epistasis measures to realize efficient genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1332–1337, IEEE Press, 2002.
- [229] DAS, S., Gene spill: An evolutionary algorithm based on bacterial gene exchange, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1338–1342, IEEE Press, 2002.
- [230] YAMAMOTO, K. et al., Evaluation of search performance of bacterial evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1343–1347, IEEE Press, 2002.

- [231] SMITH, T. et al., Neutrality and ruggedness in robot landscapes, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1348–1353, IEEE Press, 2002.
- [232] TOUSSAINT, M. et al., Neutrality: A necessity for self-adaptation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1354–1359, IEEE Press, 2002.
- [233] SHIPMAN, R. et al., Issues in designing a neutral genotype-phenotype mapping, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1360–1365, IEEE Press, 2002.
- [234] CYRE, W., Learning grammars with a modified classifier system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1366–1371, IEEE Press, 2002.
- [235] URSEM, R. K. et al., Genetic programming with smooth operators for arithmetic expressions: Diviplication and subditiion, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1372–1377, IEEE Press, 2002.
- [236] HO., S.-Y. H. S.-J. et al., Design of high performance fuzzy controllers using flexible parameterized membership functions and intelligent genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1378–1383, IEEE Press, 2002.
- [237] DELGADO, M. R. et al., Coevolutionary design of takagi-sugeno fuzzy systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1384–1389, IEEE Press, 2002.
- [238] SANTANA, R. et al., Blocked stochastic sampling versus estimation of distribution algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1390–1395, IEEE Press, 2002.
- [239] CHO, D.-Y. et al., Evolutionary optimization by distribution estimation with mixtures of factor analyzers, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1396–1401, IEEE Press, 2002.
- [240] KATSUMATA, Y. et al., We need multiple solutions for electric equipments configuration in a power plant - applying bayesian optimization algorithm with tabu search, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1402–1407, IEEE Press, 2002.
- [241] DAVIS, J. E. et al., An investigation, using co-evolution, to evolve an awari player, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1408–1413, IEEE Press, 2002.
- [242] SUBBU, R. et al., Network performance of distributed coevolutionary agents, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1414–1419, IEEE Press, 2002.
- [243] CARTLIDGE, J. et al., Learning lessons from the common cold: How reducing parasite virulence improves coevolutionary optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1420–1425, IEEE Press, 2002.
- [244] van Bragt, D. D. B. et al., Co-evolving automata negotiate with a variety of opponents, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1426–1431, IEEE Press, 2002.
- [245] SATOH, T. et al., Artificial life system and its application to multiple-fuel economic load dispatch problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1432–1437, IEEE Press, 2002.

- [246] LIANG, S. et al., The effect of routing under local information using a social insect metaphor, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1438–1443, IEEE Press, 2002.
- [247] SCHOOFS, L. et al., Swarm intelligence on the binary constraint satisfaction problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1444–1449, IEEE Press, 2002.
- [248] ISAACS, J. et al., Evolving ant colony systems in hardware for random number generation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1450–1455, IEEE Press, 2002.
- [249] XIE, X. et al., A dissipative particle swarm optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1456–1461, IEEE Press, 2002.
- [250] BLACKWELL, T. et al., Improvised music with swarms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1462–1467, IEEE Press, 2002.
- [251] LAMPINEN, J., A constraint handling approach for the differential evolution algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1468–1473, IEEE Press, 2002.
- [252] KRINK, T. et al., Particle swarm optimisation with spatial particle extension, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1474–1479, IEEE Press, 2002.
- [253] KOO, J. H. et al., Development of fpga based adaptive image enhancement filter system using genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1480–1485, IEEE Press, 2002.
- [254] CORNO, F. et al., Efficient machine-code test-program induction, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1486–1491, IEEE Press, 2002.
- [255] HOMMA, N. et al., Graph-based individual representation for evolutionary synthesis of arithmetic circuits, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1492–1497, IEEE Press, 2002.
- [256] SALOMON, R., The force model: Reducing the complexity by reformulating the problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1498–1503, IEEE Press, 2002.
- [257] BOONLONG, K. et al., Using a co-operative co-evolutionary genetic algorithm to solve optimal control problems in a hysteresis system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1504–1509, IEEE Press, 2002.
- [258] BERSINI, H., And the winner is not the fittest, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1510–1515, IEEE Press, 2002.
- [259] YUAN, B., Deterministic crowding, recombination and self-similarity, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1516–1521, IEEE Press, 2002.
- [260] MURAKAMI, Y. et al., Realizing unstable social efficiency with mutual learning of meta-rules, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1522–1527, IEEE Press, 2002.
- [261] WITTNER, O. et al., Cross entropy guided ant-like agents finding dependable primary/backup path patterns in networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1528–1533, IEEE Press, 2002.

- [262] BJARNASON, R. et al., Multi-agent learning via implicit opponent modeling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1534–1539, IEEE Press, 2002.
- [263] JELASITY, M. et al., A scalable and robust framework for distributed applications, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1540–1545, IEEE Press, 2002.
- [264] WATKINS, A. et al., A new classifier based on resource limited artificial immune systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1546–1551, IEEE Press, 2002.
- [265] ANDO, S. et al., Ant algorithm for construction of evolutionary tree, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1552–1557, IEEE Press, 2002.
- [266] BLUM, C. et al., Ant colony optimization for fop shop scheduling: A case study on different pheromone representations, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1558–1563, IEEE Press, 2002.
- [267] SCHREYER, M. et al., Letting ants labeling point features, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1564–1569, IEEE Press, 2002.
- [268] VESTERSTRØM, J. S. et al., Division of labor in particle swarm optimisation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1570–1575, IEEE Press, 2002.
- [269] LASKARI, E. C. et al., Particle swarm optimization for minimax problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1576–1581, IEEE Press, 2002.
- [270] LASKARI, E. C. et al., Particle swarm optimization for integer programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1582–1587, IEEE Press, 2002.
- [271] LØVBJERG, M. et al., Extending particle swarm optimisers with self-organized criticality, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1588–1593, IEEE Press, 2002.
- [272] HARRIS, D. et al., Enhancing game theory with coevolutionary simulation models of honest signaling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1594–1599, IEEE Press, 2002.
- [273] WIEGAND, R. P. et al., Analyzing cooperative coevolution with evolutionary game theory, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1600–1605, IEEE Press, 2002.
- [274] ORD, T. et al., Exploitation and peacekeeping: introducing more sophisticated interactions to the iterated prisoner’s dilemma, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1606–1611, IEEE Press, 2002.
- [275] MURAO, H. et al., A coevolutionary approach to adapt the genotype-phenotype map in genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1612–1617, IEEE Press, 2002.
- [276] ANCHOR, K. et al., An evolutionary programming approach for detecting novel computer network attacks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1618–1623, IEEE Press, 2002.
- [277] CHU, C.-H. et al., A heuristic ant algorithm for solving qos multicast routing problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1630–1635, IEEE Press, 2002.

- [278] TSAI, C.-F. et al., A new approach for solving large traveling salesman problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1636–1641, IEEE Press, 2002.
- [279] KHAN, J. A. et al., Fuzzy biasless simulated evolution for multiobjective vlsi placement, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1642–1647, IEEE Press, 2002.
- [280] LU, H. et al., Dynamic population size in multiobjective evolutionary algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1648–1653, IEEE Press, 2002.
- [281] ABBASS, H. A. et al., Anttag: A new method to compose computer programs using colonies of ants, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1654–1659, IEEE Press, 2002.
- [282] YANG, J. T. et al., Devising a cost effective baseball scheduling by evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1660–1665, IEEE Press, 2002.
- [283] HU, X. et al., Adaptive particle swarm optimization: Detection and response to dynamic systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1666–1670, IEEE Press, 2002.
- [284] KENNEDY, J. et al., Population structure and particle swarm performance, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1671–1676, IEEE Press, 2002.
- [285] HU, X. et al., Multiobjective optimization using dynamic neighborhood particle swarm optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1677–1681, IEEE Press, 2002.
- [286] SHI, Y. et al., Co-evolutionary particle swarm optimization to solve min-max problems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1682–1687, IEEE Press, 2002.
- [287] KROHLING, R. A. et al., Solving numerical equations of hydraulic problems using particle swarm optimization, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1688–1690, IEEE Press, 2002.
- [288] BLACKWELL, T. et al., Don’t push me! collision-avoiding swarms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1691–1696, IEEE Press, 2002.
- [289] VINCENT, J., A comparison of reproductive success and the effect of mating restrictions in coarse-grained parallel genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1697–1702, IEEE Press, 2002.
- [290] LEUNG, K. S. et al., Evolving parallel machine programs for a multi-alu processor, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1703–1708, IEEE Press, 2002.
- [291] LI, X. et al., The effects of varying population density in a fine-grained parallel genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1709–1714, IEEE Press, 2002.
- [292] KOJIMA, K. et al., Reduction of communication quantity for network based parallel ga, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1715–1720, IEEE Press, 2002.
- [293] HAMILTON-WRIGHT, A. et al., Fault-tolerant network computation of individuals in genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1721–1726, IEEE Press, 2002.

- [294] GALEANO, G. et al., Studying the influence of synchronous and asynchronous parallel gp on programs' length evolution, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1727–1732, IEEE Press, 2002.
- [295] JOINES, J. A. et al., Hybrid genetic algorithms and random linkage, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1733–1738, IEEE Press, 2002.
- [296] ZHANG, R. et al., Applying evolutionary programming to improve branch classification in the hybrid branch prediction method using switch-counter, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1739–1744, IEEE Press, 2002.
- [297] CHANG, M. et al., A symbiotic evolutionary algorithm for dynamic facility layout problem, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1745–1750, IEEE Press, 2002.
- [298] SRINIVASAN, D. et al., Automated time table generation using multiple context reasoning for university modules, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1751–1756, IEEE Press, 2002.
- [299] STANLEY, K. O. et al., Efficient evolution of neural network topologies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1757–1762, IEEE Press, 2002.
- [300] WANG, Y. et al., The fast neural network solution for problems based on slow genetic algorithm solutions, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1763–1768, IEEE Press, 2002.
- [301] EDWARDS, D. C. et al., An evolutionary method for the design of generic neural networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1769–1774, IEEE Press, 2002.
- [302] WEINGAERTNER, D. et al., Hierarchical evolution of heterogeneous neural networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1775–1780, IEEE Press, 2002.
- [303] KOVACS, T., Performance and population state metrics for rule-based learning systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1781–1786, IEEE Press, 2002.
- [304] AIZAWA, A., A co-evolutionary framework for clustering in information retrieval systems, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1787–1792, IEEE Press, 2002.
- [305] LEE, C.-Y. et al., Reinforcement learning in steady-state cellular genetic algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1793–1797, IEEE Press, 2002.
- [306] HERCOG, L. M. et al., Co-evolutionary classifier systems for multi-agent simulation, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1798–1803, IEEE Press, 2002.
- [307] WAI, Y. Y. et al., Resolving ambiguity in depth extraction for motion capture using genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1804–1809, IEEE Press, 2002.
- [308] KAISER, M. J. et al., Adaptive distributed caching, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1810–1815, IEEE Press, 2002.

- [309] CHAVALI, S. et al., A genetic algorithm approach for optimal distribution feeder restoration during cold load pickup, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1816–1819, IEEE Press, 2002.
- [310] GOLOVKIN, I. E. et al., Parallel implementation of niched pareto genetic algorithm code for x-ray plasma spectroscopy, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1820–1824, IEEE Press, 2002.
- [311] AKTAN, B. et al., Improving evolutionary algorithm performance on maximizing functional test coverage of asics using adaptation of the fitness criteria, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1825–1829, IEEE Press, 2002.
- [312] STOICA, A. et al., Fuzzy controller implementations with fewer than ten transistors?, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1830–1835, IEEE Press, 2002.
- [313] BIRD, J. et al., The evolved radio and its implications for modelling the evolution of novel sensors, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1836–1841, IEEE Press, 2002.
- [314] Mazza, III, R. H. et al., Towards a genetic algorithms approach to designing 3D polygonal tree models, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1842–1847, IEEE Press, 2002.
- [315] MATSUMURA, Y. et al., Advantages of global discrete recombination in (μ , μ , λ) evolution strategies, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1848–1853, IEEE Press, 2002.
- [316] MONAKHOV, O. et al., Using evolutionary algorithm for generation of dense families of circulant networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1854–1859, IEEE Press, 2002.
- [317] XU, J.-X. et al., Multiobjective optimization of current waveforms for switched reluctance motors by genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1860–1865, IEEE Press, 2002.
- [318] WU, X. et al., A genetic algorithm for integrated cell formation and layout decision, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1866–1871, IEEE Press, 2002.
- [319] BONGARD, J. C., Evolving modular genetic regulatory networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1872–1877, IEEE Press, 2002.
- [320] HARVEY, P. R. W. et al., Evolving the mapping between input neurons and multi-source imagery, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1878–1883, IEEE Press, 2002.
- [321] VERMA, B. et al., A novel evolutionary neural learning algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1884–1889, IEEE Press, 2002.
- [322] FU, X. et al., A GA-based novel RBF classifier with class-dependent features, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1890–1894, IEEE Press, 2002.
- [323] YEN, G. G. et al., Facial feature extraction using genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1895–1900, IEEE Press, 2002.

- [324] BLAHA, B. et al., Evolutionary programming to optimize an assembly program, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1901–1903, IEEE Press, 2002.
- [325] BEIELSTEIN, T. et al., Circuit design using evolutionary algorithms, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1904–1909, IEEE Press, 2002.
- [326] HOAR, R. et al., Evolutionary swarm traffic: If ant roads had traffic lights, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1910–1915, IEEE Press, 2002.
- [327] FU, X. et al., Rule extraction from an rbf classifier based on class-dependent features, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1916–1921, IEEE Press, 2002.
- [328] MORDAUNT, P. et al., Towards an evolutionary neural network for gait analysis, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1922–1927, IEEE Press, 2002.
- [329] LING, S. H. et al., Learning of neural network parameters using a fuzzy genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1928–1933, IEEE Press, 2002.
- [330] CIFTCIOGLU, O., GA with orthogonal transformation for RBFN configuration, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1934–1939, IEEE Press, 2002.
- [331] LEE, K.-H. et al., Evolutionary optimized pitching motion control for f-16 aircraft, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1940–1945, IEEE Press, 2002.
- [332] CHAN, C. K. et al., A co-evolutionary algorithm approach to a university timetable system, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1946–1951, IEEE Press, 2002.
- [333] LUCAS, S., Evolving spring-mass models: a test-bed for graph encoding schemes, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1952–1957, IEEE Press, 2002.
- [334] TORRES-VELAZQUEZ, R. et al., A memetic algorithm instantiated with selection sort consistently finds global optima for the error-correcting graph isomorphism, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1958–1963, IEEE Press, 2002.
- [335] KIM, S.-J. et al., Optimal initial structure of the rbf networks using time-frequency localization and genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1964–1969, IEEE Press, 2002.
- [336] TUCI, E. et al., Evolving fixed-weight networks for learning robots, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1970–1975, IEEE Press, 2002.
- [337] OEDA, S. et al., Biological immune system by evolutionary adaptive learning of neural networks, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1976–1981, IEEE Press, 2002.
- [338] DING, Y. et al., A new dna-based evolutionary algorithm with application to the design of fuzzy controllers, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1982–1987, IEEE Press, 2002.

- [339] TAYLOR, D. et al., Predicting alarms in supermarket refrigeration systems using evolved neural networks and evolved rulesets, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1988–1993, IEEE Press, 2002.
- [340] XIN, L. et al., Comparison of robot navigation by evolutionary neural networks and pain-based algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 1994–1999, IEEE Press, 2002.
- [341] GALVAO, R. K. H. et al., Variable selection for financial distress classification using a genetic algorithm, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2000–2005, IEEE Press, 2002.
- [342] SVANGARD, N. et al., Evolving short-term trading strategies using genetic programming, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2006–2010, IEEE Press, 2002.
- [343] HAMADA, T. et al., A study on behavioral structure of artificial market based on adaptive game, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2011–2016, IEEE Press, 2002.
- [344] YAMASAKI, K. et al., Dynamic optimization by evolutionary algorithms applied to financial time series, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2017–2022, IEEE Press, 2002.
- [345] MINERVA, T. et al., Evolutionary approaches for statistical modelling, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2023–2028, IEEE Press, 2002.
- [346] CLIFF, D., Evolution of market mechanism through a continuous space of auction-types, in *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, edited by FOGEL, D. B. et al., pages 2029–2034, IEEE Press, 2002.