

## Список литературы

- [ABBASS, 2002] ABBASS, H. A. (2002). The Self-Adaptive Pareto Differential Evolution Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 831–836. IEEE Press.
- [ABBASS *et al.*, 2002] ABBASS, H. A., HOAI, N. X., and MCKAY, R. I. (2002). AntTAG: A New Method to Compose Computer Programs Using Colonies of Ants. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1654–1659. IEEE Press.
- [ACAN, 2002] ACAN, A. (2002). Reciprocal Translocation with Adaptive Segment Length. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 646–651. IEEE Press.
- [AGUIRRE and TANAKA, 2002] AGUIRRE, H. and TANAKA, K. (2002). Parallel Varying Mutation Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 795–800. IEEE Press.
- [AIZAWA, 2002] AIZAWA, A. (2002). A Co-evolutionary Framework for Clustering in Information Retrieval Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1787–1792. IEEE Press.
- [AKTAN *et al.*, 2002] AKTAN, B., GREENWOOD, G., and SHOR, M. (2002). Improving Evolutionary Algorithm Performance on Maximizing Functional Test Coverage of ASICs Using Adaptation of the Fitness Criteria. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1825–1829. IEEE Press.
- [AL-KAZEMI and MOHAN, 2002] AL-KAZEMI, B. and MOHAN, C. K. (2002). Multi-Phase Generalization of the Particle Swarm Optimization Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 489–494. IEEE Press.
- [AL-YAMANI *et al.*, 2002] AL-YAMANI, A., SAIT, S. M., and BARADA, H. R. (2002). HPTS: Heterogeneous Parallel Tabu Search for VLSI Placement. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 351–355. IEEE Press.
- [ALVES DA SILVA and ABRAO, 2002] ALVES DA SILVA, A. P. and ABRAO, P. J. (2002). Applications of Evolutionary Computation in Electric Power Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1057–1062. IEEE Press.
- [ANASTASOFF, 2002] ANASTASOFF, S. J. (2002). The Presence of Old Alus in GC-Rich Regions of the Human Genome - A Genetic Algorithm Perspective. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 7–12. IEEE Press.
- [ANCHOR *et al.*, 2002a] ANCHOR, K., LAMONT, G., and GUNSCH, G. (2002a). An Evolutionary Programming Approach for Detecting Novel Computer Network Attacks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1618–1623. IEEE Press.

- [ANCHOR *et al.*, 2002b] ANCHOR, K. P., WILLIAMS, P. D., GUNSCH, G. H., and LAMONT, G. B. (2002b). The Computer Defense Immune System: Current and Future Research in Intrusion Detection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1027–1032. IEEE Press.
- [ANDO and IBA, 2002] ANDO, S. and IBA, H. (2002). Ant Algorithm for Construction of Evolutionary Tree. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1552–1557. IEEE Press.
- [ANDO *et al.*, 2002] ANDO, S., IBA, H., and SAKAMOTO, E. (2002). Modeling Genetic Network by Hybrid GP. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 291–296. IEEE Press.
- [ANG *et al.*, 2002] ANG, K. H., CHONG, G., and LI, Y. (2002). Preliminary Statement on the Current Progress of Multi-Objective Evolutionary Algorithm Performance Measurement. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1139–1144. IEEE Press.
- [ASHLOCK *et al.*, 2002a] ASHLOCK, D., GUO, L., and QIU, F. (2002a). Greedy Closure Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1296–1301. IEEE Press.
- [ASHLOCK *et al.*, 2002b] ASHLOCK, D., WITTROCK, A., and WEN, T.-J. (2002b). Training Finite State Machines to Improve PCR Primer Design. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 13–18. IEEE Press.
- [AVGERINOS *et al.*, 2002] AVGERINOS, E., ZALZALA, A. M. S., and ZOGRAFOS, G. (2002). Towards Evolutionary Optimisation for High Resolution Bathymetry from SideScan Sonars. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1244–1249. IEEE Press.
- [BAHUMAN *et al.*, 2002] BAHUMAN, A., RASHEED, K., and BISHOP, B. (2002). An Evolutionary Approach for VLSI Standard Cell Design. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 431–436. IEEE Press.
- [BALTHROP *et al.*, 2002] BALTHROP, J., FORREST, S., and GLICKMAN, M. R. (2002). Revisting LISYS: Parameters and Normal Behavior. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1045–1050. IEEE Press.
- [BASSEUR *et al.*, 2002] BASSEUR, M., SEYNHAEVE, F., and GHAZALI TALBI, E. (2002). Design of Multi-Objective Evolutionary Algorithms: Application to the Flow-Shop Scheduling Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1151–1156. IEEE Press.
- [BEIELSTEIN *et al.*, 2002] BEIELSTEIN, T., DIENSTUHL, J., FEIST, C., and POMPL, M. (2002). Circuit Design Using Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1904–1909. IEEE Press.

- [BEIELSTEIN and MARKON, 2002] BEIELSTEIN, T. and MARKON, S. (2002). Threshold Selection, Hypothesis Tests, and DOE Methods. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 777–782. IEEE Press.
- [BENDTSEN and KRINK, 2002a] BENDTSEN, C. N. and KRINK, T. (2002a). Dynamic Memory Model for Non-Stationary Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 145–150. IEEE Press.
- [BENDTSEN and KRINK, 2002b] BENDTSEN, C. N. and KRINK, T. (2002b). Phone Routing using the Dynamic Memory Model. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 992–997. IEEE Press.
- [BERSINI, 2002] BERSINI, H. (2002). And the winner is not the fittest. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1510–1515. IEEE Press.
- [BIN *et al.*, 2002] BIN, W., YI, Z., SHAOHUI, L., and ZHONGZHI, S. (2002). CSIM: A Document Clustering Algorithm Based On Swarm Intelligence. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 477–482. IEEE Press.
- [BIRD and LAYZELL, 2002] BIRD, J. and LAYZELL, P. (2002). The Evolved Radio and its Implications for Modelling the Evolution of Novel Sensors. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1836–1841. IEEE Press.
- [BJARNASON and PETERSON, 2002] BJARNASON, R. and PETERSON, T. (2002). Multi-agent Learning via Implicit Opponent Modeling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1534–1539. IEEE Press.
- [BLACKWELL and BENTLEY, 2002a] BLACKWELL, T. and BENTLEY, P. J. (2002a). Don’t Push Me! Collision-Avoiding Swarms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1691–1696. IEEE Press.
- [BLACKWELL and BENTLEY, 2002b] BLACKWELL, T. and BENTLEY, P. J. (2002b). Improvised Music with Swarms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1462–1467. IEEE Press.
- [BLAHA and WUNSCH, 2002] BLAHA, B. and WUNSCH, D. (2002). Evolutionary Programming to Optimize an Assembly Program. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1901–1903. IEEE Press.
- [BLUM and SAMPELS, 2002] BLUM, C. and SAMPELS, M. (2002). Ant Colony Optimization for FOP Shop Scheduling: A case study on different pheromone representations. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1558–1563. IEEE Press.
- [BONGARD, 2002] BONGARD, J. C. (2002). Evolving Modular Genetic Regulatory Networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1872–1877. IEEE Press.

- [BOONLONG *et al.*, 2002] BOONLONG, K., CHAIYARATANA, N., and KUNTANAPREEDA, S. (2002). Using A Co-Operative Co-Evolutionary Genetic Algorithm to Solve Optimal Control Problems in a Hysteresis System. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1504–1509. IEEE Press.
- [BRADLEY and TYRRELL, 2002] BRADLEY, D. and TYRRELL, A. (2002). A Hardware Immune System for Benchmark State Machine Error Detection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 813–818. IEEE Press.
- [BREWSTER *et al.*, 2002] BREWSTER, J., REYNOLDS, R. G., and BROCKMEYER, M. A. (2002). Not in My Backyard: A Simulation of the Effects of Agent Mobility on Environmental Poisoning. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 849–854. IEEE Press.
- [BURCZYNSKI *et al.*, 2002] BURCZYNSKI, T., KUS, W., MAJCHRZAK, E., ORANTEK, P., and DZIEWONSKI, M. (2002). Evolutionary Computation in Identification of a Tumor. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1250–1254. IEEE Press.
- [BURKE *et al.*, 2002] BURKE, E. K., DE CAUSMAECKER, P., PETROVIC, S., and BERGHE, G. V. (2002). A Multi Criteria Meta-heuristic Approach to Nurse Rostering. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1197–1202. IEEE Press.
- [CAMBIER *et al.*, 2002] CAMBIER, C., PIRON, M., and CARDON, A. (2002). Self-adaptive systems using a Massive Multi-agent system. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 345–350. IEEE Press.
- [CANHAM and TYRRELL, 2002] CANHAM, R. O. and TYRRELL, A. M. (2002). Evolved Fault Tolerance in Evolvable Hardware. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1267–1271. IEEE Press.
- [CARTLIDGE and BULLOCK, 2002] CARTLIDGE, J. and BULLOCK, S. (2002). Learning lessons from the common cold: How reducing parasite virulence improves coevolutionary optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1420–1425. IEEE Press.
- [CASWELL and LAMONT, 2002] CASWELL, D. J. and LAMONT, G. B. (2002). Wire-Antenna Geometry Design with Multiobjective Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 103–108. IEEE Press.
- [CAYZER and AICKELIN, 2002] CAYZER, S. and AICKELIN, U. (2002). A Recommender System based on the Immune Network. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 807–812. IEEE Press.
- [CAZANGI and FIGUEIREDO, 2002] CAZANGI, R. R. and FIGUEIREDO, M. (2002). Simultaneous Emergence of Conflicting Basic Behaviors and Their Coordination in an Evolutionary Autonomous Navigation System. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 466–471. IEEE Press.

- [CHAN *et al.*, 2002] CHAN, C. K., GOOI, H. B., and LIM, M. H. (2002). A Co-evolutionary Algorithm approach to a University Timetable System. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1946–1951. IEEE Press.
- [CHANG *et al.*, 2002] CHANG, M., OHKURA, K., UEDA, K., and SUGIYAMA, M. (2002). A symbiotic evolutionay algorithm for dynamic facility layout problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1745–1750. IEEE Press.
- [CHAVALI *et al.*, 2002] CHAVALI, S., PAHWA, A., and DAS, S. (2002). A Genetic Algorithm Approach for Optimal Distribution Feeder Restoration During Cold Load Pickup. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1816–1819. IEEE Press.
- [CHEH, 2002] CHEH, J. J. (2002). A Heuristic Approach to Efficient Production of Detector Sets for An Artificial Immune Algorithm-Based Bankruptcy Prediction System. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 932–937. IEEE Press.
- [CHEN and LI, 2002] CHEN, S. Y. and LI, Y. F. (2002). Optimum Viewpoint Planning for Model-Based Robot Vision. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 634–639. IEEE Press.
- [CHIBA and SUGAWARA, 2002] CHIBA, S. and SUGAWARA, K. (2002). Estimation of Protein Function with an Evolutionary Dictionary. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 315–320. IEEE Press.
- [CHO and ZHANG, 2002] CHO, D.-Y. and ZHANG, B.-T. (2002). Evolutionary Optimization by Distribution Estimation with Mixtures of Factor Analyzers. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1396–1401. IEEE Press.
- [CHRZANOWSKA-JESKE *et al.*, 2002] CHRZANOWSKA-JESKE, M., GREENWOOD, G., and WANG, B. (2002). Combining Evolution Strategies with Lagrangian Relaxation for Constructing Nonslicing VLSI Floorplans With Soft Modules. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1261–1266. IEEE Press.
- [CHU *et al.*, 2002] CHU, C.-H., GU, J., HOU, X. D., and GU, Q. (2002). A Heuristic Ant Algorithm for Solving QoS Multicast Routing Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1630–1635. IEEE Press.
- [CIESIELSKI and MAWHINNEY, 2002] CIESIELSKI, V. and MAWHINNEY, D. (2002). Prevention of Early Convergence in Genetic Programming by Replacement of Similar Programs. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 67–72. IEEE Press.
- [CIFTCIOGLU, 2002] CIFTCIOGLU, O. (2002). GA with Orthogonal Transformation for RBFN Configuration. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1934–1939. IEEE Press.

- [CINCOTTI *et al.*, 2002] CINCOTTI, A., CUTELLO, V., and PAVONE, M. (2002). Graph Partitioning with Genetic Algorithms using ODPX. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 402–406. IEEE Press.
- [CLERGUE and COLLARD, 2002] CLERGUE, M. and COLLARD, P. (2002). GA-Hard Functions Built by Combination of Trap Functions. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 249–254. IEEE Press.
- [CLIFF, 2002] CLIFF, D. (2002). Evolution of Market Mechanism through a Continuous Space of Auction-Types. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2029–2034. IEEE Press.
- [COELLO and CORTES, 2002] COELLO, C. A. C. and CORTES, N. C. (2002). A Parallel Implementation of the Artificial Immune System to Handle Constraints in Genetic Algorithms: Preliminary Results. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 819–824. IEEE Press.
- [COELLO and LECHUGA, 2002] COELLO, C. A. C. and LECHUGA, M. S. (2002). MOPSO: A Proposal for Multiple Objective Particle Swarm Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1051–1056. IEEE Press.
- [COLETTI, 2002] COLETTI, M. (2002). A Preliminary Study of Learnable Evolution Methodology implemented with C4. 5. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 588–593. IEEE Press.
- [COLLET *et al.*, 2002] COLLET, P., LOUCHET, J., and LUTTON, E. (2002). Issues on the Optimisation of Evolutionary Algorithms Code. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1103–1108. IEEE Press.
- [CORNO *et al.*, 2002] CORNO, F., CUMANI, G., REORDA, M. S., and SQUILLERO, G. (2002). Efficient Machine-Code Test-Program Induction. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1486–1491. IEEE Press.
- [COSTA *et al.*, 2002] COSTA, A. M., VARGAS, P. A., VON ZUBEN, F. J., and FRANCA, P. M. (2002). Makespan Minimization on Parallel Processors: An Immune-Based Approach. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 920–925. IEEE Press.
- [COSTA and OLIVEIRA, 2002] COSTA, L. and OLIVEIRA, P. (2002). An Evolution Strategy for Multiobjective Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 97–102. IEEE Press.
- [COWLING *et al.*, 2002] COWLING, P., KENDALL, G., and HAN, L. (2002). An Investigation of a Hyperheuristic Genetic Algorithm Applied to a Trainer Scheduling Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1185–1190. IEEE Press.
- [CRAENEN and EIBEN, 2002] CRAENEN, B. G. W. and EIBEN, A. E. (2002). An Experimental Comparison of SAWing EAs for a new Class of Random Binary CSPs. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M.,

- editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 878–883. IEEE Press.
- [CRUTCHLEY and ZWOLINSKI, 2002] CRUTCHLEY, D. and ZWOLINSKI, M. (2002). Using Evolutionary and Hybrid Algorithms for DC Operating Point Analysis of Nonlinear Circuits. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 753–758. IEEE Press.
- [CUPERTINO *et al.*, 2002] CUPERTINO, F., NASO, D., SALVATORE, L., and TURCHIANO, B. (2002). Design of Cascaded Controllers for DC Drives using Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1255–1260. IEEE Press.
- [CUTELLO *et al.*, 2002] CUTELLO, V., MASTRIANI, E., and PAPPALARDO, F. (2002). An evolutionary algorithm for the T-constrained variation of Minimum Hitting Set Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 366–371. IEEE Press.
- [CYRE, 2002] CYRE, W. (2002). Learning Grammars with a Modified Classifier System. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1366–1371. IEEE Press.
- [DAIDA, 2002] DAIDA, J. M. (2002). Limits to Expression in Genetic Programming: Lattice-Aggregate Modeling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 273–278. IEEE Press.
- [DARWEN, 2002] DARWEN, P. J. (2002). Search Landscape of a Realistic Single-Machine Scheduling Task: Peaks with Big Differences. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1191–1196. IEEE Press.
- [DAS, 2002] DAS, S. (2002). Gene Spill: An Evolutionary Algorithm Based on Bacterial Gene Exchange. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1338–1342. IEEE Press.
- [DASGUPTA and MAJUMDAR, 2002] DASGUPTA, D. and MAJUMDAR, N. S. (2002). Anomaly Detection in Multidimensional Data using Negative Selection Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1039–1044. IEEE Press.
- [DASGUPTA and STOLIARTCHOUK, 2002] DASGUPTA, D. and STOLIARTCHOUK, A. (2002). Evolving PC System Hardware Configurations. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 517–522. IEEE Press.
- [DAVIS and KENDALL, 2002] DAVIS, J. E. and KENDALL, G. (2002). An Investigation, using Co-Evolution, to Evolve an Awari Player. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1408–1413. IEEE Press.
- [DAY *et al.*, 2002] DAY, R. O., ZYDALLIS, J. B., LAMONT, G., and PACHTER, R. (2002). Analysis of Fine Granularity and Building Block Sizes in the Parallel Fast Messy GA. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 127–132. IEEE Press.

- [DE CASTRO and TIMMIS, 2002] DE CASTRO, L. N. and TIMMIS, J. (2002). An Artificial Immune Network for Multimodal Function Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 699–704. IEEE Press.
- [DE FALCO *et al.*, 2002] DE FALCO, I., CIOPPA, A. D., and TARANTINO, E. (2002). Unsupervised Spectral Pattern Recognition for Multispectral Images by means of a Genetic Programming approach. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 231–236. IEEE Press.
- [DE GARIS, 2002] DE GARIS, H. (2002). 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 FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 454–459. IEEE Press.
- [DEB *et al.*, 2002a] DEB, K., JOSHI, D., and ANAND, A. (2002a). Real-Coded Evolutionary Algorithms with Parent-Centric Recombination. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 61–66. IEEE Press.
- [DEB *et al.*, 2002b] DEB, K., THIELE, L., LAUMANN, M., and ZITZLER, E. (2002b). Scalable Multi-Objective Optimization Test Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 825–830. IEEE Press.
- [DELGADO *et al.*, 2002] DELGADO, M. R., VON ZUBEN, F., and GOMIDE, F. (2002). Coevolutionary Design of Takagi-Sugeno Fuzzy Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1384–1389. IEEE Press.
- [DING and REN, 2002] DING, Y. and REN, L. (2002). A New DNA-Based Evolutionary Algorithm with Application to the Design of Fuzzy Controllers. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1982–1987. IEEE Press.
- [DOZIER, 2002] DOZIER, G. (2002). A Comparison of Adaptive Virtual Constraint Identification Strategies for Recurrent Dynamic Constraint Satisfaction. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 552–557. IEEE Press.
- [DROSTE, 2002] DROSTE, S. (2002). Analysis of the (1+1) EA for a Dynamically Changing OneMax-Variant. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 55–60. IEEE Press.
- [DUKKIPATI and MURTY, 2002] DUKKIPATI, A. and MURTY, M. N. (2002). Selection by Parts: ‘Selection in Two Episodes’ in Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 657–662. IEEE Press.
- [EBERBACH, 2002] EBERBACH, E. (2002). On Expressiveness of Evolutionary Computation: Is EC Algorithmic? In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 564–569. IEEE Press.
- [EDWARDS *et al.*, 2002] EDWARDS, D. C., BROWN, K. E., and TAYLOR, N. K. (2002). An Evolutionary Method for the Design of Generic Neural Networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1769–1774. IEEE Press.



- [EIBEN and JELASITY, 2002] EIBEN, A. E. and JELASITY, M. (2002). A Critical Note on Experimental Research Methodology in EC. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 582–587. IEEE Press.
- [EKLUND, 2002] EKLUND, S. E. (2002). A Massively Parallel GP Engine in VLSI. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 629–633. IEEE Press.
- [ENDOU and ZHAO, 2002] ENDOU, T. and ZHAO, Q. (2002). Generation of Comprehensible Decision Trees Through Evolution of Training Data. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1221–1225. IEEE Press.
- [ETZEL, 2002] ETZEL, J. A. (2002). "Marigolds:"An Evolutionary Algorithm Simulation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 327–332. IEEE Press.
- [EVERSON *et al.*, 2002] EVERSON, M. P., MANGIN, C. G. E., STUMPO, C., SCHWARTZ, J. M., and OSTROWSKI, D. A. (2002). Evaluating Strategies for Foreign Exchange Risk Reduction. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 735–740. IEEE Press.
- [FALCAO, 2002] FALCAO, D. M. (2002). Genetic Algorithms Applications in Electrical Distribution Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1063–1068. IEEE Press.
- [FARHANG-MEHR and AZARM, 2002] FARHANG-MEHR, A. and AZARM, S. (2002). Diversity Assessment of Pareto-Optimal Solution Sets: An Entropy Approach. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 723–728. IEEE Press.
- [FARINA, 2002] FARINA, M. (2002). A Neural Network Based Generalized Response Surface Multiobjective Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 956–961. IEEE Press.
- [FISCHER, 2002] FISCHER, M. M. (2002). A Novel Modular Product Unit Neural Network for Modelling Constrained Spatial Interaction Flows. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1215–1220. IEEE Press.
- [FOGEL *et al.*, 2002] FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors (2002). *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*. IEEE Press.
- [FU and WANG, 2002a] FU, X. and WANG, L. (2002a). A GA-Based Novel RBF Classifier with Class-Dependent Features. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1890–1894. IEEE Press.
- [FU and WANG, 2002b] FU, X. and WANG, L. (2002b). Rule Extraction from an RBF Classifier Based on Class-Dependent Features. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1916–1921. IEEE Press.

- [GALEANO *et al.*, 2002] GALEANO, G., FERNANDEZ, F., TOMASSINI, M., and VANNESCHI, L. (2002). Studying the influence of Synchronous and Asynchronous parallel GP on Programs' Length Evolution. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1727–1732. IEEE Press.
- [GALVAO *et al.*, 2002] GALVAO, R. K. H., BECERRA, V. M., and ABOU-SEADA, M. (2002). Variable Selection for Financial Distress Classification Using a Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2000–2005. IEEE Press.
- [GAN and WARWICK, 2002] GAN, J. and WARWICK, K. (2002). Modelling Niches of Arbitrary Shape in Genetic Algorithms using Niche Linkage in the Dynamic Niche Clustering Framework. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 43–48. IEEE Press.
- [GEARD and WILES, 2002] GEARD, N. and WILES, J. (2002). Diversity Maintenance on Neutral Landscapes - An Argument for Recombination. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 211–213. IEEE Press.
- [GEARD *et al.*, 2002] GEARD, N., WILES, J., HALLINAN, J., TONKES, B., and SKELLETT, B. (2002). A Comparison of Neutral Landscapes - NK, NKp and NKq. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 205–210. IEEE Press.
- [GHEZELAYAGH and LEE, 2002] GHEZELAYAGH, H. and LEE, K. Y. (2002). Intelligent Predictive Control of A Power Plant with Evolutionary Programming Optimizer and Neuro-Fuzzy Identifier. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1308–1313. IEEE Press.
- [GOLOVKIN *et al.*, 2002] GOLOVKIN, I. E., LOUIS, S. J., and MANCINI, R. C. (2002). Parallel Implementation of Niche Pareto Genetic Algorithm Code for X-ray Plasma Spectroscopy. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1820–1824. IEEE Press.
- [GONZALEZ *et al.*, 2002] GONZALEZ, F., DASGUPTA, D., and KOZMA, R. (2002). Combining Negative Selection and Classification Techniques for Anomaly Detection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 705–710. IEEE Press.
- [GOODHALL *et al.*, 2002] GOODHALL, S., REYNOLDS, R. G., and WHALLON, R. (2002). Altruism, Selfishness, and Survival: An Agent-Based Model Of Sharing Behavior. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 867–871. IEEE Press.
- [GOTO and SATO, 2002] GOTO, R. and SATO, Y. (2002). Applicability of Genetic Algorithms to Motion Analysis of a Moving Object. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 765–770. IEEE Press.
- [GREER *et al.*, 2002] GREER, B., HAKONEN, H., LAHDELMA, R., and MIKKULAINEN, R. (2002). Numerical Optimization with Neuroevolution. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 396–401. IEEE Press.

- [GUINEA *et al.*, 2002] GUINEA, M. A., GUTIERREZ, G., GALVAN, I., SANCHIS, A., and MOLINA, J. M. (2002). Generative Capacities of Grammars Codification for Evolution of NN Architectures. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 611–616. IEEE Press.
- [HAFNER and SALOMON, 2002] HAFNER, V. and SALOMON, R. (2002). Evolving Neural Controllers for Visual Navigation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 669–674. IEEE Press.
- [HAMADA *et al.*, 2002] HAMADA, T., KAWAMURA, H., YAMAMOTO, M., and OHUCHI, A. (2002). A Study on Behavioral Structure of Artificial Market Based on Adaptive Game. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2011–2016. IEEE Press.
- [HAMIDA and SCHOENAUER, 2002] HAMIDA, S. B. and SCHOENAUER, M. (2002). ASCHEA: New Results Using Adaptive Segregational Constraint Handling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 884–889. IEEE Press.
- [HAMILTON-WRIGHT and STACEY, 2002] HAMILTON-WRIGHT, A. and STACEY, D. (2002). Fault-Tolerant Network Computation of Individuals in Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1721–1726. IEEE Press.
- [HARRIS and BULLOCK, 2002] HARRIS, D. and BULLOCK, S. (2002). Enhancing game theory with coevolutionary simulation models of honest signaling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1594–1599. IEEE Press.
- [HARVEY *et al.*, 2002] HARVEY, P. R. W., BOOTH, D. M., and BOYCE, J. F. (2002). Evolving The Mapping between input Neurons and Multi-Source Imagery. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1878–1883. IEEE Press.
- [HATANAKA *et al.*, 2002] HATANAKA, T., UOSAKI, K., and KOGA, M. (2002). Evolutionary Computation Approach to Wiener Model Identification. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 914–919. IEEE Press.
- [HERCOG and FOGARTY, 2002] HERCOG, L. M. and FOGARTY, T. C. (2002). Co-evolutionary Classifier Systems for Multi-Agent Simulation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1798–1803. IEEE Press.
- [HERNANDEZ *et al.*, 2002] HERNANDEZ, J. C., ISASI, P., and RIBAGORDA, A. (2002). Easing collision finding in cryptographic primitives with genetic algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 535–539. IEEE Press.
- [HINGSTON *et al.*, 2002] HINGSTON, P., BARONE, L., and WHILE, L. (2002). Evolving Crushers. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1109–1114. IEEE Press.

- [Ho *et al.*, 2002a] HO, C. K., SINGH, Y. P., and LEE, S. W. (2002a). Enhancement Of A Genetic Algorithm For Optical Orthogonal Code Design Using Simulated Annealing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 449–453. IEEE Press.
- [Ho *et al.*, 2002b] HO, S.-Y., HO, S.-J., and HUANG, Z.-B. (2002b). An Evolutionary Approach for Pose Determination and Interpretation of Occluded Articulated Objects. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1092–1097. IEEE Press.
- [Ho *et al.*, 2002c] HO, S.-Y., LIU, C.-C., LIU, S., and JOU, J.-W. (2002c). Design of an Optimal Nearest Neighbor Classifier Using an Intelligent Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 594–599. IEEE Press.
- [Ho. and CHEN, 2002] HO., S.-Y. H. S.-J. and CHEN, T.-K. (2002). Design of High Performance Fuzzy Controllers Using Flexible Parameterized Membership Functions and Intelligent Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1378–1383. IEEE Press.
- [HOAI *et al.*, 2002] HOAI, N. X., MCKAY, R. I., ESSAM, D., and CHAU, R. (2002). Solving the Symbolic Regression Problem with Tree-Adjunct Grammar Guided Genetic Programming: The Comparative Results. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1326–1331. IEEE Press.
- [HOAR *et al.*, 2002] HOAR, R., PENNER, J., and JACOB, C. (2002). Evolutionary Swarm Traffic: If Ant Roads Had Traffic Lights. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1910–1915. IEEE Press.
- [HOMMA *et al.*, 2002] HOMMA, N., AOKI, T., and HIGUCHI, T. (2002). Graph-Based Individual Representation for Evolutionary Synthesis of Arithmetic Circuits. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1492–1497. IEEE Press.
- [HSIEH, 2002] HSIEH, F.-S. (2002). Design of Evolvable Manufacturing Processes. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 339–344. IEEE Press.
- [HSU *et al.*, 2002] HSU, C.-C., WANG, W.-Y., and YU, C.-Y. (2002). Genetic Algorithms-Derived Digital Integrators and Their Applications in Discretization of Continuous Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 443–448. IEEE Press.
- [HU and GOODMAN, 2002] HU, J. and GOODMAN, E. D. (2002). The Hierarchical Fair Competition (HFC) Model for Parallel Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 49–54. IEEE Press.
- [HU and EBERHART, 2002a] HU, X. and EBERHART, R. (2002a). Adaptive Particle Swarm Optimization: Detection and Response to Dynamic Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors,

- Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1666–1670. IEEE Press.
- [HU and EBERHART, 2002b] HU, X. and EBERHART, R. (2002b). Multiobjective Optimization Using Dynamic Neighborhood Particle Swarm Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1677–1681. IEEE Press.
- [HUGHES, 2002] HUGHES, E. J. (2002). Multi-Objective Evolutionary Guidance for Swarms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1127–1132. IEEE Press.
- [HUTTER, 2002] HUTTER, M. (2002). Fitness Uniform Selection to Preserve Genetic Diversity. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 783–788. IEEE Press.
- [ISAACS *et al.*, 2002] ISAACS, J., WATKINS, R., and FOO, S. (2002). Evolving Ant Colony Systems in Hardware for Random Number Generation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1450–1455. IEEE Press.
- [ISHIBUSHI *et al.*, 2002] ISHIBUSHI, H., YOSHIDA, T., and MURATA, T. (2002). Selection of Initial Solutions for Local Search in Multiobjective Genetic Local Search. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 950–955. IEEE Press.
- [ISHIDA and POZO, 2002] ISHIDA, C. Y. and POZO, A. T. R. (2002). GPSQL Miner: SQL-Grammar Genetic Programming in Data Mining. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1226–1231. IEEE Press.
- [IWAMATSU, 2002] IWAMATSU, M. (2002). Co-Evolutionary Global Optimization Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1180–1184. IEEE Press.
- [IWASHITA and IBA, 2002] IWASHITA, M. and IBA, H. (2002). Island Model GP with Immigrants Aging and Depth-Dependent Crossover. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 267–272. IEEE Press.
- [JANSSEN and STOW, 2002] JANSSEN, M. A. and STOW, D. W. (2002). An Application of Immunocomputing to the Evolution of Rules for Ecosystem Management. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 687–692. IEEE Press.
- [JELASITY *et al.*, 2002] JELASITY, M., PREUSS, M., and PAECHTER, B. (2002). A Scalable and Robust Framework for Distributed Applications. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1540–1545. IEEE Press.
- [JEONG and OH, 2002] JEONG, H.-K. and OH, S.-Y. (2002). Evolutionary Programming Integrating 3-Generation Based Mutation and Local Competition Based Selection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 220–224. IEEE Press.

- [JIMENEZ *et al.*, 2002] JIMENEZ, F., GOMEZ-SKARMETA, A. F., SANCHEZ, G., and DEB, K. (2002). An Evolutionary Algorithm for Constrained Multi-objective Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1133–1138. IEEE Press.
- [JOINES and KAY, 2002] JOINES, J. A. and KAY, M. G. (2002). Hybrid Genetic Algorithms and Random Linkage. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1733–1738. IEEE Press.
- [JONKER *et al.*, 2002] JONKER, C. M., DE KOCK, A. P. G., MEIJER, J., and VERMEULEN, B. J. (2002). Deliberate Evolution Agents: Comparing Reproduction Strategies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 333–338. IEEE Press.
- [JULSTROM, 2002] JULSTROM, B. A. (2002). A Scalable Genetic Algorithm for the Rectilinear Steiner Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1169–1173. IEEE Press.
- [KACPRZYK and SZKATULA, 2002] KACPRZYK, J. and SZKATULA, G. (2002). An Integer Programming Approach to Inductive Learning Using Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 181–186. IEEE Press.
- [KADROVACH *et al.*, 2002] KADROVACH, B. A., ZYDALLIS, J. B., and LAMONT, G. B. (2002). Use of Mendelian Pressure in a Multi-Objective Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 962–967. IEEE Press.
- [KAISER *et al.*, 2002] KAISER, M. J., TSUI, K. C., and LIU, J. (2002). Adaptive Distributed Caching. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1810–1815. IEEE Press.
- [KARR *et al.*, 2002] KARR, C. L., ZEILER, T. A., and MEHROTRA, R. (2002). Determining Critical Gust Loads on Aircraft Structures Using an Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 759–764. IEEE Press.
- [KASSABALIDIS *et al.*, 2002] KASSABALIDIS, I. N., EL-SHARKAWI, M. A., and II, R. J. M. (2002). Border Identification for Power System Security Assessment Using Neural Network Inversion: An Overview. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1075–1079. IEEE Press.
- [KATSUMATA *et al.*, 2002] KATSUMATA, Y., KURAHASHI, S., and TERANO, T. (2002). We Need Multiple Solutions for Electric Equipments Configuration in a Power Plant - Applying Bayesian Optimization Algorithm with Tabu Search. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1402–1407. IEEE Press.
- [KENNEDY and MENDES, 2002] KENNEDY, J. and MENDES, R. (2002). Population Structure and Particle Swarm Performance. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1671–1676. IEEE Press.

- [KHAN *et al.*, 2002] KHAN, J. A., SAIT, S. M., and MINHAS, M. R. (2002). Fuzzy Biasless Simulated Evolution for Multiobjective VLSI Placement. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1642–1647. IEEE Press.
- [KHOO and SUGANTHAN, 2002] KHOO, K. G. and SUGANTHAN, P. N. (2002). Objective Function Decomposition within Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 356–359. IEEE Press.
- [KIM, 2002] KIM, D. H. (2002). Tuning of 2-DOF PID Controller By Immune Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 675–680. IEEE Press.
- [KIM *et al.*, 2002a] KIM, D. H., PYO HONG, W., and PARK, J. I. (2002a). Auto-Tuning Of Reference Based PID Controller Using Immune Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 483–488. IEEE Press.
- [KIM and BENTLEY, 2002] KIM, J. and BENTLEY, P. J. (2002). Toward an Artificial Immune System for Network Intrusion Detection: An Investigation of Dynamic Clonal Selection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1015–1020. IEEE Press.
- [KIM *et al.*, 2002b] KIM, J.-W., KIM, S. W., PARK, P., and PARK, T. J. (2002b). On the Similarities between Binary-Coded GA and Real-Coded GA in Wide Search Space. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 681–686. IEEE Press.
- [KIM and CHO, 2002] KIM, K. J. and CHO, S.-B. (2002). Evolving Speciated Checkers Players with Crowding Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 407–412. IEEE Press.
- [KIM *et al.*, 2002c] KIM, N. G., WON, J. M., LEE, J. S., and KIM, S. W. (2002c). Local Convergence Rate of Evolutionary Algorithm with Combined Mutation Operator. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 261–266. IEEE Press.
- [KIM *et al.*, 2002d] KIM, P. K., VADAKKEPAT, P., LEE, T.-H., and PENG, X. (2002d). Evolution of Control Systems for Mobile Robots. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 617–622. IEEE Press.
- [KIM *et al.*, 2002e] KIM, S.-J., KIM, J.-S., SEO, J.-Y., CHO, H.-C., and JEON, H.-T. (2002e). Optimal Initial Structure of the RBF Networks Using Time-Frequency Localization and Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1964–1969. IEEE Press.
- [KIMIAGHALAM *et al.*, 2002] KIMIAGHALAM, B., HOMAIFAR, A., BIKDASH, M., and SAYYARRODSARI, B. (2002). Genetic Algorithm Based Gain Scheduling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 540–545. IEEE Press.

- [KNOWLES and CORNE, 2002] KNOWLES, J. and CORNE, D. (2002). On Metrics for Comparing Non-Dominated Sets. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 711–716. IEEE Press.
- [KOJIMA *et al.*, 2002] KOJIMA, K., MATSUO, H., and ISHIGAME, M. (2002). Reduction of Communication Quantity for Network Based Parallel GA. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1715–1720. IEEE Press.
- [KOO *et al.*, 2002] KOO, J. H., KIM, T. S., DONG, S. S., and LEE, C. H. (2002). Development of FPGA Based Adaptive Image Enhancement Filter System Using Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1480–1485. IEEE Press.
- [KORDON *et al.*, 2002] KORDON, A., SMITS, G., JORDAAN, E., and RIGHTOR, E. (2002). Robust Soft Sensors Based On Integration of Genetic Programming, Analytical Neural Networks, and Support Vector Machines. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 896–901. IEEE Press.
- [KOVACS, 2002] KOVACS, T. (2002). Performance and Population State Metrics for Rule-based Learning Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1781–1786. IEEE Press.
- [KRINK *et al.*, 2002] KRINK, T., VESTERSTRØM, J. S., and RIGET, J. (2002). Particle Swarm Optimisation with Spatial Particle Extension. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1474–1479. IEEE Press.
- [KROHLING *et al.*, 2002] KROHLING, R. A., KNIDEL, H., and SHI, Y. (2002). Solving Numerical Equations of Hydraulic Problems Using Particle Swarm Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1688–1690. IEEE Press.
- [KUMAR *et al.*, 2002] KUMAR, R., PARIDA, P. P., and GUPTA, M. (2002). Topological Design of Communication Networks using Multiobjective Genetic Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 425–430. IEEE Press.
- [LAMPINEN, 2002] LAMPINEN, J. (2002). A Constraint Handling Approach for the Differential Evolution Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1468–1473. IEEE Press.
- [LAND, JR. *et al.*, 2002] LAND, JR., W. H., BRYDEN, M., MCKEE, D. W., LO, J. Y., and ANDERSON, F. R. (2002). Performance Tradeoff Between Evolutionary Computation (EC)/Adaptive Boosting (AB) Hybrid and Support Vector Machine Breast Cancer Classification Paradigms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 187–192. IEEE Press.
- [LANDAVAZO and FOGEL, 2002] LANDAVAZO, D. and FOGEL, G. B. (2002). Evolved Neural Networks for Quantitative Structure-Activity Relationships of Anti-HIV Compounds. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 199–204. IEEE Press.



- [LASKARI *et al.*, 2002a] LASKARI, E. C., PARSOPOULOS, K. E., and VRAHATIS, M. N. (2002a). Particle Swarm Optimization for Integer Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1582–1587. IEEE Press.
- [LASKARI *et al.*, 2002b] LASKARI, E. C., PARSOPOULOS, K. E., and VRAHATIS, M. N. (2002b). Particle Swarm Optimization for Minimax Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1576–1581. IEEE Press.
- [LEE and ANTONSSON, 2002] LEE, C.-Y. and ANTONSSON, E. K. (2002). Reinforcement Learning in Steady-State Cellular Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1793–1797. IEEE Press.
- [LEE and CHO, 2002a] LEE, J.-H. and CHO, S.-B. (2002a). Analysis of Direct Manipulation in Interactive Evolutionary Computation on Fitness Landscape. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 460–465. IEEE Press.
- [LEE *et al.*, 2002] LEE, K.-H., LEE, C.-H., KIM, J.-H., CHOI, H.-L., and TAHK, M.-J. (2002). Evolutionary Optimized Pitching Motion Control for F-16 Aircraft. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1940–1945. IEEE Press.
- [LEE and MOHAMED, 2002] LEE, K. Y. and MOHAMED, P. S. (2002). A Real-Coded Genetic Algorithm Involving a Hybrid Crossover Method for Power Plant Control System Design. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1069–1074. IEEE Press.
- [LEE and CHO, 2002b] LEE, S.-I. and CHO, S.-B. (2002b). Measuring Evolvability in Evolutionary Robotics. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 163–168. IEEE Press.
- [LEUNG *et al.*, 2002] LEUNG, K. S., LEE, K. H., and CHEANG, S. M. (2002). Evolving Parallel Machine Programs for a Multi-ALU Processor. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1703–1708. IEEE Press.
- [LI and KWAN, 2002] LI, J. and KWAN, R. (2002). A Fuzzy Evolutionary Approach with Taguchi Parameter Setting for the Set Covering Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1203–1208. IEEE Press.
- [LI and KIRLEY, 2002] LI, X. and KIRLEY, M. (2002). The Effects of Varying Population Density in a Fine-grained Parallel Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1709–1714. IEEE Press.
- [LI and KANG, 2002] LI, Y. and KANG, L. (2002). Analysis of Optimal Trajectory on Evolutionary Algorithm and Some Control Strategies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 558–563. IEEE Press.
- [LIANG *et al.*, 2002a] LIANG, S., ZINCIR-HEYWOOD, A. N., and HEYWOOD, M. I. (2002a). The Effect of Routing under Local Information using a Social Insect Metaphor. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M.,

- editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1438–1443. IEEE Press.
- [LIANG and LEUNG, 2002] LIANG, Y. and LEUNG, K.-S. (2002). Two-way Mutation Evolution Strategies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 789–794. IEEE Press.
- [LIANG *et al.*, 2002b] LIANG, Y.-C., KULTUREL-KONAK, S., and SMITH, A. E. (2002b). Meta Heuristics for the Orienteering Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 384–389. IEEE Press.
- [LIN *et al.*, 2002] LIN, Y.-C., HWANG, K.-S., and WANG, F.-S. (2002). Hybrid Differential Evolution with Multiplier Updating Method for Nonlinear Constrained Optimization Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 872–877. IEEE Press.
- [LINDBLAD *et al.*, 2002] LINDBLAD, F., NORDIN, P., and WOLFF, K. (2002). Evolving 3D model interpretation of images using graphics hardware. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 225–230. IEEE Press.
- [LING *et al.*, 2002] LING, S. H., LAM, H. K., LEUNG, F. H. F., and TAM, P. K. S. (2002). Learning of Neural Network Parameters using a Fuzzy Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1928–1933. IEEE Press.
- [LIU and IBA, 2002] LIU, J. and IBA, H. (2002). Selecting Informative Genes Using a Multiobjective Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 297–302. IEEE Press.
- [LIU and YAO, 2002] LIU, Y. and YAO, X. (2002). How to Control Search Step Size in Fast Evolutionary Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 652–656. IEEE Press.
- [LOHN *et al.*, 2002] LOHN, J., KRAUS, W. F., and HAITH, G. L. (2002). Comparing a Coevolutionary Genetic Algorithm for Multiobjective Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1157–1162. IEEE Press.
- [LONES and TYRRELL, 2002] LONES, M. and TYRRELL, A. (2002). Crossover and Bloat in the Functionality Model of Enzyme Genetic Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 986–991. IEEE Press.
- [LØVBJERG and KRINK, 2002] LØVBJERG, M. and KRINK, T. (2002). Extending Particle Swarm Optimisers with Self-Organized Criticality. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1588–1593. IEEE Press.
- [LU and YEN, 2002a] LU, H. and YEN, G. (2002a). Rank-Density Based Multiobjective Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 944–949. IEEE Press.

- [LU and YEN, 2002b] LU, H. and YEN, G. G. (2002b). Dynamic Population Size in Multiobjective Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1648–1653. IEEE Press.
- [LUCAS, 2002] LUCAS, S. (2002). Evolving spring-mass models: a test-bed for graph encoding schemes. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1952–1957. IEEE Press.
- [MABU *et al.*, 2002] MABU, S., HIRASAWA, K., HU, J., and MURATA, J. (2002). Online learning of Genetic Network Programming (GNP). In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 321–326. IEEE Press.
- [MADAVAN, 2002] MADAVAN, N. (2002). Multiobjective Optimization Using a Pareto Differential Evolution Approach. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1145–1150. IEEE Press.
- [MADUREIRA *et al.*, 2002] MADUREIRA, A., RAMOS, C., and DO CARMO SILVA, S. (2002). A Coordination Mechanism for Real World Scheduling Problems Using Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 175–180. IEEE Press.
- [MAHNIG and MUEHLENBEIN, 2002] MAHNIG, T. and MUEHLENBEIN, H. (2002). A Comparison of Stochastic Local Search and Population Based Search. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 255–260. IEEE Press.
- [MAJUMDAR and DASGUPTA, 2002] MAJUMDAR, N. S. and DASGUPTA, D. (2002). Determining Optimal Configuration for Turbine Generator Cooler. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1009–1014. IEEE Press.
- [MATSUMARU *et al.*, 2002] MATSUMARU, N., COLOMBANO, S., and ZAUNER, K.-P. (2002). Scouting Enzyme Behavior. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 19–24. IEEE Press.
- [MATSUMURA *et al.*, 2002] MATSUMURA, Y., OHKURA, K., and UEDA, K. (2002). Advantages of Global Discrete Recombination in ( $\mu$ ,  $\mu$ ,  $\lambda$ ) Evolution Strategies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1848–1853. IEEE Press.
- [MAZZA, III and CONGDON, 2002] MAZZA, III, R. H. and CONGDON, C. B. (2002). Towards a Genetic Algorithms Approach to Designing 3D Polygonal Tree Models. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1842–1847. IEEE Press.
- [MEADE *et al.*, 2002] MEADE, A., CORNE, D., and SIBLY, R. (2002). Discovering Patterns in Microsatellite Flanks with Evolutionary Computation by Evolving Discriminatory DNA Motifs. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1–6. IEEE Press.

- [MICHELAN and VON ZUBEN, 2002] MICHELAN, R. and VON ZUBEN, F. J. (2002). Decentralized Control System for Autonomous Navigation Based on an Evolved Artificial Immune Network. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1021–1026. IEEE Press.
- [MILONE *et al.*, 2002] MILONE, D. H., MERELO, J. J., and RUFINER, H. L. (2002). Evolutionary Algorithm for Speech Segmentation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1115–1120. IEEE Press.
- [MINAMI *et al.*, 2002] MINAMI, M., TAMAMURA, A., and ASAKURA, T. (2002). Machine Intelligence of a Mobile Manipulator to Utilize Dynamically Interfered Motion and Nonlinear Friction. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1232–1237. IEEE Press.
- [MINERVA and PATERLINI, 2002] MINERVA, T. and PATERLINI, S. (2002). Evolutionary Approaches for Statistical Modelling. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2023–2028. IEEE Press.
- [MIRANDA and FONSECA, 2002] MIRANDA, V. and FONSECA, N. (2002). EPSO - Best-of-Two Worlds Meta-Heuristic Applied to Power System Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1080–1085. IEEE Press.
- [MONAKHOV and MONAKHOVA, 2002] MONAKHOV, O. and MONAKHOVA, E. (2002). Using Evolutionary Algorithm for Generation of Dense Families of Circulant Networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1854–1859. IEEE Press.
- [MORDAUNT and ZALZALA, 2002] MORDAUNT, P. and ZALZALA, A. (2002). Towards an Evolutionary Neural Network For Gait Analysis. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1922–1927. IEEE Press.
- [MORI *et al.*, 2002] MORI, K., NISHI, S., FUCHIDA, T., and MURASHIMA, S. (2002). Two Dimensional Resolution Improvement of Frame Images by Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 640–645. IEEE Press.
- [MORONI *et al.*, 2002] MORONI, A., VON ZUBEN, F., MANZOLLI, J., and MAMMANA, A. (2002). Capturing Human Judgment to Simulate Objective Function. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 529–534. IEEE Press.
- [MOSTAGHIM *et al.*, 2002] MOSTAGHIM, S., TEICH, J., and TYAGI, A. (2002). Comparison of Data Structures for Storing Pareto-sets in MOEAs. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 843–848. IEEE Press.
- [MUELLER *et al.*, 2002] MUELLER, S. D., SCHRAUDOLPH, N. N., and KOUMOUTSAKOS, P. D. (2002). Step Size Adaptation in Evolution Strategies using Reinforcement Learning. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 151–156. IEEE Press.

- [MUNETOMO, 2002] MUNETOMO, M. (2002). Linkage Identification Based on Epistasis Measures to Realize Efficient Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1332–1337. IEEE Press.
- [MURAKAMI *et al.*, 2002] MURAKAMI, Y., SATO, H., and NAMATAME, A. (2002). Realizing Unstable Social Efficiency with Mutual Learning of Meta-Rules. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1522–1527. IEEE Press.
- [MURAO *et al.*, 2002] MURAO, H., TAMAKI, H., and KITAMURA, S. (2002). A Coevolutionary Approach To Adapt The Genotype-Phenotype Map In Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1612–1617. IEEE Press.
- [MURATA *et al.*, 2002] MURATA, T., NOZAWA, H., TSUJIMURA, Y., GEN, M., and ISHIBUCHI, H. (2002). Effect of Local Search on the Performance of Cellular Multi-Objective Genetic Algorithms for Designing Fuzzy Rule-based Classification Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 663–668. IEEE Press.
- [NAKATSUGAWA *et al.*, 2002] NAKATSUGAWA, M., YAMAMOTO, M., SHIBA, T., and OHUCHI, A. (2002). Design of a PCR Protocol for Improving Reliability of PCR in DNA Computing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 91–96. IEEE Press.
- [NGUYEN *et al.*, 2002] NGUYEN, H. D., YOSHIHARA, I., YAMAMORI, K., and YASUNAGA, M. (2002). A Parallel Hybrid Genetic Algorithm for Multiple Protein Sequence Alignment. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 309–314. IEEE Press.
- [NIKOLAEV *et al.*, 2002] NIKOLAEV, N., DE MENEZES, L. M., and IBA, H. (2002). Overfitting Avoidance in Genetic Programming of Polynomials. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1209–1214. IEEE Press.
- [NINO and BELTRAN, 2002] NINO, F. and BELTRAN, O. (2002). A change detection software agent based on immune mixed selection. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 693–698. IEEE Press.
- [OEDA *et al.*, 2002] OEDA, S., ICHIMURA, T., and YAMASHITA, T. (2002). Biological immune system by evolutionary adaptive learning of neural networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1976–1981. IEEE Press.
- [OH *et al.*, 2002] OH, S.-K., LEE, C.-Y., and LEE, J.-J. (2002). A New Distributed Evolutionary Algorithm for Optimization in Nonstationary Environments. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 378–383. IEEE Press.
- [ONO *et al.*, 2002] ONO, I., FUJIKI, H., OOTSUKA, M., NAKASHIMA, N., ONO, N., and TATE, S. (2002). Global Optimization of Protein 3-Dimensional Structures in NMR by a Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 303–308. IEEE Press.

- [ORD and BLAIR, 2002] ORD, T. and BLAIR, A. (2002). Exploitation and peacekeeping: introducing more sophisticated interactions to the iterated prisoner’s dilemma. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1606–1611. IEEE Press.
- [OSTROWSKI *et al.*, 2002] OSTROWSKI, D., TASSIER, T., EVERSON, M. P., and REYNOLDS, R. G. (2002). Using Cultural Algorithms to Evolve Strategies in Agent-Based Models. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 741–746. IEEE Press.
- [POPELA *et al.*, 2002] POPELA, P., ROUPEC, J., OSMERA, P., and MATOUSEK, R. (2002). The Formal Stochastic Framework for Comparison of Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 576–581. IEEE Press.
- [PORTILLO, 2002] PORTILLO, A. B. J. G.-H. J. M. M. J. B. J. (2002). OCR Parameters Tuning by Means of Evolution Strategies for Aircraft’s Tail Number Recognition. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 902–907. IEEE Press.
- [PULLAN, 2002] PULLAN, W. (2002). Optimising Multiple Aspects of Network Survivability. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 115–120. IEEE Press.
- [QIAO and WEIXIN, 2002] QIAO, Y. and WEIXIN, X. (2002). A Network IDS with Low False Positive Rate. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1121–1126. IEEE Press.
- [RASHEED *et al.*, 2002] RASHEED, K., NI, X., and VATTAM, S. (2002). Comparison of Methods for Developing Dynamic Reduced Models for Design Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 390–395. IEEE Press.
- [RAY, 2002] RAY, T. (2002). Constrained Robust Optimal Design using a Multiobjective Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 419–424. IEEE Press.
- [REVELLO and MCCARTNEY, 2002] REVELLO, T. E. and MCCARTNEY, R. (2002). Generating War Game Strategies Using A Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1086–1091. IEEE Press.
- [REYNOLDS and LAZAR, 2002] REYNOLDS, R. G. and LAZAR, A. (2002). Simulating the Evolution of the Archaic States. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 861–866. IEEE Press.
- [ROJAS *et al.*, 2002] ROJAS, F., PUNTONET, C. G., ROJAS, I., ORTEGA, J., and PRIETO, A. (2002). Genetic Algorithm Approach to Nonlinear Blind Source Separation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1098–1102. IEEE Press.

- [ROWLAND and TAYLOR, 2002] ROWLAND, J. J. and TAYLOR, J. (2002). Adaptive Denoising in Spectral Analysis by Genetic Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 133–138. IEEE Press.
- [RUNARSSON and YAO, 2002] RUNARSSON, T. P. and YAO, X. (2002). Continuous Selection and Self-Adaptive Evolution Strategies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 279–284. IEEE Press.
- [RYCHTYCKYJ and REYNOLDS, 2002] RYCHTYCKYJ, N. and REYNOLDS, R. G. (2002). Knowledge Base Maintenance Using Cultural Algorithms: Application to the DLMS Manufacturing Process System at Ford Motor Company. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 855–860. IEEE Press.
- [SADATI and KUCHAKKHANI, 2002] SADATI, N. and KUCHAKKHANI, S. (2002). Genetic Approach to Pole Placement by Static Output Feedback. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1174–1179. IEEE Press.
- [SAIT *et al.*, 2002] SAIT, S. M., MINHAS, M. R., and KHAN, J. A. (2002). Performance and Low Power Driven VLSI Standard Cell Placement using Tabu Search. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 372–377. IEEE Press.
- [SALOMON, 2002] SALOMON, R. (2002). The Force Model: Reducing the Complexity by Reformulating the Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1498–1503. IEEE Press.
- [SANO and KITA, 2002] SANO, Y. and KITA, H. (2002). Optimization of Noisy Fitness Functions by means of Genetic Algorithms using History of Search with Test of Estimation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 360–365. IEEE Press.
- [SANTANA and MUEHLENBEIN, 2002] SANTANA, R. and MUEHLENBEIN, H. (2002). Blocked Stochastic Sampling versus Estimation of Distribution Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1390–1395. IEEE Press.
- [SARAFIS *et al.*, 2002] SARAFIS, I., ZALZALA, A. M. S., and TRINDER, P. (2002). A Genetic Rule-Based Data Clustering Toolkit. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1238–1243. IEEE Press.
- [SATOH *et al.*, 2002] SATOH, T., KUWABARA, H., MASAKAZU, KANEZASHI, and NARA, K. (2002). Artificial Life System and its Application to Multiple-Fuel Economic Load Dispatch Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1432–1437. IEEE Press.
- [SCHLEIS and RIZKI, 2002] SCHLEIS, G. and RIZKI, M. (2002). Learning from a Random Player using the Reference Neuron Model. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 747–752. IEEE Press.

- [SCHOOFs and NAUDTs, 2002] SCHOOFs, L. and NAUDTs, B. (2002). Swarm Intelligence on the Binary Constraint Satisfaction problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1444–1449. IEEE Press.
- [SCHREYER and RAIDL, 2002] SCHREYER, M. and RAIDL, G. R. (2002). Letting Ants Labeling Point Features. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1564–1569. IEEE Press.
- [SETH, 2002] SETH, A. K. (2002). Distinguishing Adaptive From Non-Adaptive Evolution Using Ashby’s Law of Resquisite Variety. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1163–1168. IEEE Press.
- [SHI and KROHLING, 2002] SHI, Y. and KROHLING, R. A. (2002). Co-evolutionary Particle Swarm Optimization to Solve min-max Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1682–1687. IEEE Press.
- [SHIN *et al.*, 2002] SHIN, S.-Y., KIM, D.-M., LEE, I.-H., and ZHANG, B.-T. (2002). Evolutionary Sequence Generation for Reliable DNA Computing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 79–84. IEEE Press.
- [SHINKAI *et al.*, 2002] SHINKAI, M., AGUIRRE, H., and TANAKA, K. (2002). Mutation Strategy Improves GA’s Performance on Epistatic Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 968–973. IEEE Press.
- [SHIPMAN *et al.*, 2002] SHIPMAN, R., SHACKLETON, M., and EBNER, M. (2002). Issues in Designing a Neutral Genotype-Phenotype Mapping. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1360–1365. IEEE Press.
- [SINGH *et al.*, 2002] SINGH, S. P. N., THAYER, S. M., and THAYER, W. P. (2002). A Foundation for Kilorobotic Exploration. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1033–1038. IEEE Press.
- [SMITH *et al.*, 2002] SMITH, T., PHILIPPIDES, A., HUSBANDS, P., and O’SHEA, M. (2002). Neutrality and ruggedness in robot landscapes. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1348–1353. IEEE Press.
- [SOCHA and KISIEL-DOROHINICKI, 2002] SOCHA, K. and KISIEL-DOROHINICKI, M. (2002). Agent-based Evolutionary Multiobjective Optimisation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 109–114. IEEE Press.
- [SOFGE *et al.*, 2002] SOFGE, D., DE JONG, K., and SCHULTZ, A. (2002). A Blended Population Approach to Cooperative Coevolution for Decomposition of Complex Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 413–418. IEEE Press.
- [SONG *et al.*, 2002] SONG, A., CIESIELSKI, V., and WILLIAMS, H. (2002). Texture Classifiers Generated by Genetic Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 243–248. IEEE Press.



- [SRINIVASAN *et al.*, 2002] SRINIVASAN, D., SEOW, T. H., and XU, J. X. (2002). Automated Time Table Generation Using Multiple Context Reasoning for University Modules. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1751–1756. IEEE Press.
- [STANLEY and MIIKKULAINEN, 2002] STANLEY, K. O. and MIIKKULAINEN, R. (2002). Efficient Evolution of Neural Network Topologies. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1757–1762. IEEE Press.
- [STEJIC *et al.*, 2002] STEJIC, Z., IYODA, E. M., TAKAMA, Y., and HIROTA, K. (2002). Image Similarity Computation Using Local Similarity Patterns Generated by Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 771–776. IEEE Press.
- [STOICA *et al.*, 2002] STOICA, A., ZEBULUM, R., KEYMEULEN, D., FERGUSON, M. I., and DUONG, V. (2002). Fuzzy controller implementations with fewer than ten transistors? In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1830–1835. IEEE Press.
- [SUBBU and SANDERSON, 2002] SUBBU, R. and SANDERSON, A. C. (2002). Network Performance of Distributed Coevolutionary Agents. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1414–1419. IEEE Press.
- [SUNG HWANG and BAE CHO, 2002] SUNG HWANG, K. and BAE CHO, S. (2002). Evolving Diverse Hardwares Using Speciated Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 437–442. IEEE Press.
- [SUTCLIFFE *et al.*, 2002] SUTCLIFFE, A., CHANG, W.-C., and NEVILLE, R. (2002). Optimizing System Requirements with Evolutionary Computation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 495–499. IEEE Press.
- [SVANGARD *et al.*, 2002] SVANGARD, N., LLOYD, S., NORDIN, P., and WIHLBORG, C. (2002). Evolving Short-Term Trading Strategies Using Genetic Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2006–2010. IEEE Press.
- [TAKENAKA and HASHIMOTO, 2002] TAKENAKA, Y. and HASHIMOTO, A. (2002). DNA computing by competitive hybridization for maximum satisfiability problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 472–476. IEEE Press.
- [TAN *et al.*, 2002a] TAN, K. C., CHEW, C. M., TAN, K. K., WANG, L. F., and CHEN, Y. J. (2002a). Autonomous robot navigation via intrinsic evolution. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1272–1277. IEEE Press.
- [TAN *et al.*, 2002b] TAN, K. C., LEE, T. H., CAI, J., and CHEW, Y. H. (2002b). Automating the drug scheduling of cancer chemotherapy via evolutionary computation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 908–913. IEEE Press.

- [TAN *et al.*, 2002c] TAN, K. C., SENGUPTA, K., LEE, T. H., and SATHIKANNAN, R. (2002c). Autonomous Registration of Disparate Spatial Data Via an Evolutionary Algorithm Toolbox. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 31–36. IEEE Press.
- [TAN *et al.*, 2002d] TAN, K. C., TAY, A., LEE, T. H., and HENG, C. M. (2002d). Mining multiple comprehensible classification rules using genetic programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1302–1307. IEEE Press.
- [TANAKA *et al.*, 2002] TANAKA, F., NAKATSUGAWA, M., YAMAMOTO, M., SHIBA, T., and OHUCHI, A. (2002). Towards a General-Purpose Sequence Design System in DNA Computing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 73–78. IEEE Press.
- [TARAKANOV and SKORMIN, 2002] TARAKANOV, A. and SKORMIN, V. (2002). Pattern Recognition by Immunocomputing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 938–943. IEEE Press.
- [TASSIER *et al.*, 2002] TASSIER, T., EVERSON, M. P., and OSTROWSKI, D. (2002). Agent-Based Models as a Complement to Economic Theory: A Durable Goods Example. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 729–734. IEEE Press.
- [TAYLOR *et al.*, 2002] TAYLOR, D., CORNE, D., TAYLOR, D., and HARKNESS, J. (2002). Predicting Alarms in Supermarket Refrigeration Systems Using Evolved Neural Networks and Evolved Rulesets. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1988–1993. IEEE Press.
- [THIERENS, 2002] THIERENS, D. (2002). Adaptive mutation rate control schemes in genetic algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 980–985. IEEE Press.
- [THOMSEN *et al.*, 2002] THOMSEN, R., FOGEL, G. B., and KRINK, T. (2002). A Clustal Alignment Improver Using Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 121–126. IEEE Press.
- [THOMSON and ARSLAN, 2002] THOMSON, R. and ARSLAN, T. (2002). An Evolutionary Algorithm for the Multi-objective Optimisation of VLSI Primitive Operator Filters. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 37–42. IEEE Press.
- [TORRES-VELAZQUEZ and ESTIVILL-CASTRO, 2002] TORRES-VELAZQUEZ, R. and ESTIVILL-CASTRO, V. (2002). A Memetic Algorithm Instantiated with Selection Sort Consistently Finds Global Optima for the Error-Correcting Graph Isomorphism. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1958–1963. IEEE Press.
- [TOUSSAINT and IGEL, 2002] TOUSSAINT, M. and IGEL, C. (2002). Neutrality: A necessity for self-adaptation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H.,

- MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1354–1359. IEEE Press.
- [ TSAI *et al.*, 2002a] TSAI, C.-F., TSAI, C.-W., and CHEN, C.-P. (2002a). A Novel Multiple-Searching Genetic Algorithm for Multimedia Multicast Routing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 506–511. IEEE Press.
- [ TSAI *et al.*, 2002b] TSAI, C.-F., TSAI, C.-W., and TSENG, C.-C. (2002b). A New Approach for Solving Large Traveling Salesman Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1636–1641. IEEE Press.
- [ TSAI *et al.*, 2002c] TSAI, H.-K., YANG, J.-M., and KAO, C.-Y. (2002c). Solving Traveling Salesman Problems by Combining Global and Local Search Mechanisms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1290–1295. IEEE Press.
- [ TSUI and LIU, 2002a] TSUI, K. C. and LIU, J. (2002a). Evolutionary Diffusion Optimization, Part I: Description of the Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 169–174. IEEE Press.
- [ TSUI and LIU, 2002b] TSUI, K. C. and LIU, J. (2002b). Evolutionary Diffusion Optimization, Part II: Performance Assessment. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1284–1289. IEEE Press.
- [ TSUJIMURA *et al.*, 2002] TSUJIMURA, Y., GEN, M., and SYARIF, A. (2002). Solving A Nonlinear Side Constrained Transportation Problem by Using Spanning Tree-based Genetic Algorithm with Fuzzy Logic Controller. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 546–551. IEEE Press.
- [ TSUTSUI and GOLDBERG, 2002] TSUTSUI, S. and GOLDBERG, D. E. (2002). Simplex Crossover and Linkage Identification: Single-Stage Evolution VS. Multi-Stage Evolution. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 974–979. IEEE Press.
- [ TUCI *et al.*, 2002] TUCI, E., QUINN, M., and HARVEY, I. (2002). Evolving fixed-weight networks for learning robots. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1970–1975. IEEE Press.
- [ URSEM and KRINK, 2002] URSEM, R. K. and KRINK, T. (2002). Genetic Programming with Smooth Operators for Arithmetic Expressions: Diviplication and Subdition. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1372–1377. IEEE Press.
- [ V. E. CONRADIE *et al.*, 2002] V. E. CONRADIE, A., MIKKULAINEN, R., and ALDRICH, C. (2002). Intelligent Process Control utilising Symbiotic Memetic Neuro-Evolution. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 623–628. IEEE Press.
- [ VALENZUELA, 2002] VALENZUELA, C. (2002). A Simple Evolutionary Algorithm for Multi-Objective Optimization (SEAMO). In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 717–722. IEEE Press.

- [VAN BRAGT and LA POUTRE, 2002] VAN BRAGT, D. D. B. and LA POUTRE, J. A. (2002). Co-evolving Automata Negotiate with a Variety of Opponents. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1426–1431. IEEE Press.
- [VERMA and GHOSH, 2002] VERMA, B. and GHOSH, R. (2002). A Novel Evolutionary Neural Learning Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1884–1889. IEEE Press.
- [VESTERSTRØM *et al.*, 2002] VESTERSTRØM, J. S., RIGET, J., and KRINK, T. (2002). Division of Labor in Particle Swarm Optimisation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1570–1575. IEEE Press.
- [VINCENT, 2002] VINCENT, J. (2002). A Comparison of Reproductive Success and the Effect of Mating Restrictions in Coarse-Grained Parallel Genetic Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1697–1702. IEEE Press.
- [VOLKERT, 2002] VOLKERT, L. G. (2002). Levels of Adaptation: Insights into Survival in Dynamic Environments. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 139–144. IEEE Press.
- [WAI *et al.*, 2002] WAI, Y. Y., CHOW, C. K., and LEE, T. (2002). Resolving Ambiguity in Depth Extraction for Motion Capture using Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1804–1809. IEEE Press.
- [WANG *et al.*, 2002] WANG, C., SOH, Y. C., WANG, H., and WANG, H. (2002). A Hierarchical Genetic Algorithm for Path Planning in a Static Environment with Obstacles. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 500–505. IEEE Press.
- [WANG and LU, 2002] WANG, Y. and LU, Y. (2002). The Fast Neural Network Solution for Problems Based on Slow Genetic Algorithm Solutions. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1763–1768. IEEE Press.
- [WATANABE *et al.*, 2002] WATANABE, I., OKADA, K., ICHI TOKORO, K., and MATSUI, S. (2002). Adaptive Multiagent Model of Electric Power Market with Congestion Management. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 523–528. IEEE Press.
- [WATKINS and BOGGESE, 2002a] WATKINS, A. and BOGGESE, L. (2002a). A New Classifier Based on Resource Limited Artificial Immune Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1546–1551. IEEE Press.
- [WATKINS and BOGGESE, 2002b] WATKINS, A. B. and BOGGESE, L. C. (2002b). A Resource Limited Artificial Immune Classifier. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 926–931. IEEE Press.
- [WATSON and WILES, 2002] WATSON, J. and WILES, J. (2002). The rise and fall of learning: A neural network model of the genetic assimilation of acquired traits. In FOGEL, D. B., EL-SHARKAWI,

- M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 600–605. IEEE Press.
- [WATTS and KASABOV, 2002] WATTS, M. and KASABOV, N. (2002). Evolutionary Optimisation of Evolving Connectionist Systems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 606–610. IEEE Press.
- [WATTS *et al.*, 2002] WATTS, M., MAJOR, L., and TATE, W. (2002). Evolutionary Optimisation of MLP for Modeling Protein Synthesis Termination Signal Efficiency. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 193–198. IEEE Press.
- [WEI *et al.*, 2002] WEI, C., HE, Z., ZHANG, Y., and PEI, W. (2002). Swarm Directions Embedded in Fast Evolutionary Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1278–1283. IEEE Press.
- [WEINGAERTNER *et al.*, 2002] WEINGAERTNER, D., TATAI, V. K., GUDWIN, R. R., and ZUBEN, F. J. V. (2002). Hierarchical Evolution of Heterogeneous Neural Networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1775–1780. IEEE Press.
- [WEN and EBERHART, 2002] WEN, C. and EBERHART, R. C. (2002). Genetic Algorithm for Logistics Scheduling Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 512–516. IEEE Press.
- [WENJIAN *et al.*, 2002] WENJIAN, L., XIANBIN, C., and XUFA, W. (2002). An Immune Genetic Algorithm Based on Immune Regulation. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 801–806. IEEE Press.
- [WIEGAND *et al.*, 2002] WIEGAND, R. P., LILES, W., and DE JONG, K. (2002). Analyzing Cooperative Coevolution with Evolutionary Game Theory. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1600–1605. IEEE Press.
- [WILES and TONKES, 2002] WILES, J. and TONKES, B. (2002). Visualisation of Hierarchical Cost Surfaces for Evolutionary Computing. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 157–162. IEEE Press.
- [WILLADSEN and WILES, 2002] WILLADSEN, K. and WILES, J. (2002). All binary representations are equal: but some are more equal than others. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 570–575. IEEE Press.
- [WITTNER and HELVIK, 2002] WITTNER, O. and HELVIK, B. E. (2002). Cross Entropy Guided Ant-like Agents Finding Dependable Primary/Backup Path Patterns in Networks. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1528–1533. IEEE Press.
- [WONG *et al.*, 2002] WONG, M. L., LEE, S. Y., and LEUNG, K. S. (2002). A Hybrid Approach to Learn Bayesian Networks Using Evolutionary Programming. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1314–1319. IEEE Press.

- [WRIGHT *et al.*, 2002] WRIGHT, A. H., ROWE, J. E., and NEIL, J. R. (2002). Analysis of the Simple Genetic Algorithm on the Single-peak and Double-peak Landscapes. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 214–219. IEEE Press.
- [WU *et al.*, 2002] WU, X., CHU, C.-H., WANG, Y., and YAN, W. (2002). A Genetic Algorithm for Integrated Cell Formation and Layout Decision. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1866–1871. IEEE Press.
- [XIE *et al.*, 2002] XIE, X., ZHANG, W., and YANG, Z. (2002). A Dissipative Particle Swarm Optimization. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1456–1461. IEEE Press.
- [XIN *et al.*, 2002] XIN, L., VADAKKEPAT, P., LEE, T. H., PENG, X., and KIM, P. K. (2002). Comparison of Robot Navigation by Evolutionary Neural Networks and Pain-based Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1994–1999. IEEE Press.
- [XU *et al.*, 2002a] XU, J., ARSLAN, T., and QING-WANG, D. W. (2002a). GPS Attitude Determination Using a Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 998–1002. IEEE Press.
- [XU *et al.*, 2002b] XU, J.-X., PANDA, S. K., and ZHENG, Q. (2002b). Multiobjective Optimization of Current Waveforms for Switched Reluctance Motors by Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1860–1865. IEEE Press.
- [XU *et al.*, 2002c] XU, X., GEN HE, H., and HU, D. (2002c). Evolutionary Adaptive-Critic Methods for Reinforcement Learning. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1320–1325. IEEE Press.
- [YAMAMOTO *et al.*, 2002a] YAMAMOTO, K., YOSHIKAWA, T., FURUHASHI, T., SHINOBI, T., and TSURUOKA, S. (2002a). Evaluation of Search Performance of Bacterial Evolutionary Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1343–1347. IEEE Press.
- [YAMAMOTO *et al.*, 2002b] YAMAMOTO, M., KAMEDA, A., MATSUURA, N., SHIBA, T., and OHUCHI, A. (2002b). Simulation Analysis of Hybridization Process for DNA Computing with Concentration Control. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 85–90. IEEE Press.
- [YAMASAKI *et al.*, 2002] YAMASAKI, K., KITAKAZE, K., and SEKIGUCHI, M. (2002). Dynamic Optimization by Evolutionary Algorithms Applied to Financial Time Series. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 2017–2022. IEEE Press.
- [YANG *et al.*, 2002] YANG, J. T., HUANG, H.-D., and HORNG, J.-T. (2002). Devising A Cost Effective Baseball Scheduling by Evolutionary Algorithms. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1660–1665. IEEE Press.

- [YASUNAGA *et al.*, 2002] YASUNAGA, M., USHIYAMA, K., FUJIWARA, H., YOSHIHARA, I., KIM, J. H., and AIBE, N. (2002). An Evolutionary Kernel-Based Reasoning System Using Reconfigurable VLSIs: Its Hardware Prototyping and Application to the Splicing Boundary Problem. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 285–290. IEEE Press.
- [YEN and LU, 2002] YEN, G. G. and LU, H. (2002). Hierarchical Rank Density Genetic Algorithm for Radial-Basis Function Neural Network Design. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 25–30. IEEE Press.
- [YEN and NITHIANANDAN, 2002] YEN, G. G. and NITHIANANDAN, N. (2002). Facial Feature Extraction Using Genetic Algorithm. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1895–1900. IEEE Press.
- [YUAN, 2002] YUAN, B. (2002). Deterministic Crowding, Recombination And Self-Similarity. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1516–1521. IEEE Press.
- [YUIZONO *et al.*, 2002] YUIZONO, T., WANG, Y., SATOH, K., and NAKAYAMA, S. (2002). Study on Individual Recognition for Ear Images by using Genetic Local Search. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 237–242. IEEE Press.
- [ZHANG *et al.*, 2002a] ZHANG, R., KING, W. K., and WANG, Q. (2002a). Applying Evolutionary Programming to Improve Branch Classification In the Hybrid Branch Prediction Method Using Switch-Counter. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1739–1744. IEEE Press.
- [ZHANG *et al.*, 2002b] ZHANG, Y., HALL, L. O., GOLDFOF, D. B., and SARKAR, S. (2002b). A Constrained Genetic Approach for Reconstructing Young’s Modulus of Elastic Objects from Boundary Displacement Measurements. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 1003–1008. IEEE Press.
- [ZHU and LEUNG, 2002] ZHU, Z.-Y. and LEUNG, K.-S. (2002). Asynchronous Self-Adjustable Island Genetic Algorithm for Multi-Objective Optimization Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 837–842. IEEE Press.
- [ZOU *et al.*, 2002] ZOU, X., KANG, L., and LI, Y. (2002). A Dynamical Evolutionary Algorithm For Constrained Optimization Problems. In FOGEL, D. B., EL-SHARKAWI, M. A., YAO, X., GREENWOOD, G., IBA, H., MARROW, P., and SHACKLETON, M., editors, *Proceedings of the 2002 Congress on Evolutionary Computation CEC2002*, pages 890–895. IEEE Press.