Список литературы

- [1] Bin Azhar, M. H., DERAVI, F., and DIMOND, K., Criticality dispersion in swarms to optimize n-tuples, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1–8, Atlanta, GA, USA, 2008, ACM.
- [2] de Franca, F. O., COELHO, G. P., Von Zuben, F. J., and de Faissol Attux, R. R., Multivariate ant colony optimization in continuous search spaces, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 9–16, Atlanta, GA, USA, 2008, ACM.
- [3] de Marcos, L., MARTÍNEZ, J.-J., and GUTIERREZ, J.-A., Swarm intelligence in e-learning: a learning object sequencing agent based on competencies, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 17–24, Atlanta, GA, USA, 2008, ACM.
- [4] DRIES, E. J. and PETERSON, G. L., Scaling ant colony optimization with hierarchical reinforcement learning partitioning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 25–32, Atlanta, GA, USA, 2008, ACM.
- [5] HäCKEL, S., FISCHER, M., ZECHEL, D., and TEICH, T., A multi-objective ant colony approach for pareto-optimization using dynamic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 33–40, Atlanta, GA, USA, 2008, ACM.
- [6] HOWDEN, D. and HENDTLASS, T., Collective intelligence and bush fire spotting, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 41–48, Atlanta, GA, USA, 2008, ACM.
- [7] JORDAN, J., HELWIG, S., and WANKA, R., Social interaction in particle swarm optimization, the ranked fips, and adaptive multi-swarms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 49–56, Atlanta, GA, USA, 2008, ACM.
- [8] KLAMARGIAS, A. D., PARSOPOULOS, K. E., ALEVIZOS, P. D., and VRAHATIS, M. N., Particle filtering with particle swarm optimization in systems with multiplicative noise, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 57–62, Atlanta, GA, USA, 2008, ACM.
- [9] MAZHAR, N. and FAROOQ, M., A sense of danger: dendritic cells inspired artificial immune system for manet security, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 63-70, Atlanta, GA, USA, 2008, ACM.
- [10] Montes de Oca, M. A. and STüTZLE, T., Convergence behavior of the fully informed particle swarm optimization algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 71–78, Atlanta, GA, USA, 2008, ACM.
- [11] OSTASZEWSKI, M., BOUVRY, P., and SEREDYNSKI, F., Denial of service detection and analysis using idiotypic networks paradigm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 79–86, Atlanta, GA, USA, 2008, ACM.
- [12] PANT, M., THANGARAJ, R., and ABRAHAM, A., A new quantum behaved particle swarm optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 87–94, Atlanta, GA, USA, 2008, ACM.

- [13] JORGE PE N., Theoretical and empirical study of particle swarms with additive stochasticity and different recombination operators, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 95–102, Atlanta, GA, USA, 2008, ACM.
- [14] SALEEM, M., KHAYAM, S. A., and FAROOQ, M., A formal performance modeling framework for bio-inspired ad hoc routing protocols, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 103–110, Atlanta, GA, USA, 2008, ACM.
- [15] SALEHI-ABARI, A. and WHITE, T., Enhanced generalized ant programming (egap), in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 111–118, Atlanta, GA, USA, 2008, ACM.
- [16] SHAFIQ, M. Z., KHAYAM, S. A., and FAROOQ, M., Improving accuracy of immune-inspired malware detectors by using intelligent features, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 119–126, Atlanta, GA, USA, 2008, ACM.
- [17] STIBOR, T., Discriminating self from non-self with finite mixtures of multivariate bernoulli distributions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 127–134, Atlanta, GA, USA, 2008, ACM.
- [18] SUDHOLT, D. and WITT, C., Runtime analysis of binary pso, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 135–142, Atlanta, GA, USA, 2008, ACM.
- [19] von Mammen, S. and JACOB, C., Evolutionary swarm design of architectural idea models, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 143–150, Atlanta, GA, USA, 2008, ACM.
- [20] YU, H., Optimizing task schedules using an artificial immune system approach, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 151–158, Atlanta, GA, USA, 2008, ACM.
- [21] AHMADI, A., KARRAY, F., and KAMEL, M., Particle swarm clustering ensemble, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 159–160, Atlanta, GA, USA, 2008, ACM.
- [22] AWAIS, A., FAROOQ, M., and JAVED, M. Y., Attack analysis & bio-inspired security framework for ip multimedia subsystem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 161–162, Atlanta, GA, USA, 2008, ACM.
- [23] CHIRA, C., DUMITRESCU, D., and PINTEA, C. M., Heterogeneous sensitive ant model for combinatorial optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 163–164, Atlanta, GA, USA, 2008, ACM.
- [24] ZHANG, J., LIU, K., TAN, Y., and HE, X., Allocation of local and global search capabilities of particle in canonical pso, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 165–166, Atlanta, GA, USA, 2008, ACM.

- [25] ZHANG, J., LIU, K., TAN, Y., and HE, X., Magnifier particle swarm optimization for numerical optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 167–168, Atlanta, GA, USA, 2008, ACM.
- [26] de Melo, E. B. B. and ARAúJO, A. F. R., Modeling ant colony foraging in dynamic and confined environment, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 169–176, Atlanta, GA, USA, 2008, ACM.
- [27] BARLOW, G. J., OH, C. K., and SMITH, S. F., Evolving cooperative control on sparsely distributed tasks for uav teams without global communication, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 177–184, Atlanta, GA, USA, 2008, ACM.
- [28] BECKMANN, B. E., MCKINLEY, P. K., and OFRIA, C., Selection for group-level efficiency leads to self-regulation of population size, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 185–192, Atlanta, GA, USA, 2008, ACM.
- [29] BORNHOFEN, S. and LATTAUD, C., On hopeful monsters, neutral networks and junk code in evolving l-systems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 193–200, Atlanta, GA, USA, 2008, ACM.
- [30] CAMPBELL, A., WU, A. S., and SHUMAKER, R., Multi-agent task allocation: learning when to say no, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 201–208, Atlanta, GA, USA, 2008, ACM.
- [31] GRABOWSKI, L. M., ELSBERRY, W. R., OFRIA, C., and PENNOCK, R. T., On the evolution of motility and intelligent tactic response, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 209–216, Atlanta, GA, USA, 2008, ACM.
- [32] KNOESTER, D. B., MCKINLEY, P. K., and OFRIA, C., Cooperative network construction using digital germlines, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 217–224, Atlanta, GA, USA, 2008, ACM.
- [33] van Krevelen, D. W. F. and NITSCHKE, G. S., Neuro-evolution for a gathering and collective construction task, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 225–232, Atlanta, GA, USA, 2008, ACM.
- [34] NITSCHKE, G. and SCHUT, M., Designing multi-rover emergent specialization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 233-240, Atlanta, GA, USA, 2008, ACM.
- [35] PAYNE, J. L. and EPPSTEIN, M. J., The influence of scaling and assortativity on takeover times in scale-free topologies, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 241–248, Atlanta, GA, USA, 2008, ACM.
- [36] SMALDON, J., BLAKES, J., KRASNOGOR, N., and LANCET, D., A multi-scaled approach to artificial life simulation with p systems and dissipative particle dynamics, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 249–256, Atlanta, GA, USA, 2008, ACM.

- [37] TANEV, I. and SHIMOHARA, K., Co-evolution of active sensing and locomotion gaits of simulated snake-like robot, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 257–264, Atlanta, GA, USA, 2008, ACM.
- [38] VALSALAM, V. K. and MIIKKULAINEN, R., Modular neuroevolution for multilegged locomotion, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 265–272, Atlanta, GA, USA, 2008, ACM.
- [39] VULLI, S. S. and AGARWAL, S., Individual-based artificial ecosystems for design and optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 273–280, Atlanta, GA, USA, 2008, ACM.
- [40] CUSSAT-BLANC, S., VIALE, F., LUGA, H., DUTHEN, Y., and CAROMEL, D., Genetic algorithms and grid computing for artificial embryogeny, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 281–282, Atlanta, GA, USA, 2008, ACM.
- [41] GOTSHALL, S. and SOULE, T., Evolving stable behavior in a spino-neuromuscular system model, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 283–284, Atlanta, GA, USA, 2008, ACM.
- [42] JUNG, J.-Y. and REGGIA, J. A., Nested evolution of an autonomous agent using descriptive encoding, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 285–286, Atlanta, GA, USA, 2008, ACM.
- [43] KRAH, P., Towards efficient evolution of morphology and control, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 287–288, Atlanta, GA, USA, 2008, ACM.
- [44] MCGINLEY, B., ROCKE, P., MORGAN, F., and MAHER, J., Reconfigurable analogue hardware evolution of adaptive spiking neural network controllers, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 289–290, Atlanta, GA, USA, 2008, ACM.
- [45] RAHMANI, A. T. and HELMI, B. H., Ein-wum: an ais-based algorithm for web usage mining, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 291–292, Atlanta, GA, USA, 2008, ACM.
- [46] SEO, K. and HYUN, S., Genetic programming based automatic gait generation for quadruped robots, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 293– 294, Atlanta, GA, USA, 2008, ACM.
- [47] TRENDELENBURG, S., BECKER, J., HENRICI, F., and MANOLI, Y., A gp algorithm for efficient synthesis of gm-c filters on a hexagonal fpaa structure, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 295–296, Atlanta, GA, USA, 2008, ACM.
- [48] TRUJILLO, L., OLAGUE, G., LUTTON, E., and de Vega, F. F., Behavior-based speciation for evolutionary robotics, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 297–298, Atlanta, GA, USA, 2008, ACM.

- [49] CLAYTON, T. F., PATEL, L. N., LENG, G., MURRAY, A. F., and LINDSAY, I. A., Rapid evaluation and evolution of neural models using graphics card hardware, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 299–306, Atlanta, GA, USA, 2008, ACM.
- [50] ESMAEILI, A. and JACOB, C., Evolution of discrete gene regulatory models, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 307–314, Atlanta, GA, USA, 2008, ACM.
- [51] GOEFFON, A., NIKOLSKI, M., and SHERMAN, D. J., An efficient probabilistic population-based descent for the median genome problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 315–322, Atlanta, GA, USA, 2008, ACM.
- [52] PIRKWIESER, S. and RAIDL, G. R., Finding consensus trees by evolutionary, variable neighborhood search, and hybrid algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 323–330, Atlanta, GA, USA, 2008, ACM.
- [53] ROMERO-CAMPERO, F. J., CAO, H., CAMARA, M., and KRASNOGOR, N., Structure and parameter estimation for cell systems biology models, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 331–338, Atlanta, GA, USA, 2008, ACM.
- [54] URBANOWICZ, R. J., BARNEY, N., WHITE, B. C., and MOORE, J. H., Mask functions for the symbolic modeling of epistasis using genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 339–346, Atlanta, GA, USA, 2008, ACM.
- [55] GARCIA, B., ALER, R., LEDEZMA, A., and SANCHIS, A., Protein-protein functional association prediction using genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 347–348, Atlanta, GA, USA, 2008, ACM.
- [56] GONèALVES, R., GOLDBARG, M. C., GOLDBARG, E. F., and DELGADO, M. R., Warping search: a new metaheuristic applied to the protein structure prediction, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 349–350, Atlanta, GA, USA, 2008, ACM.
- [57] GREENE, C. S., WHITE, B. C., and MOORE, J. H., Using expert knowledge in initialization for genome-wide analysis of epistasis using genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 351–352, Atlanta, GA, USA, 2008, ACM.
- [58] HARDISON, N. E., FANELLI, T. J., DUDEK, S. M., et al., A balanced accuracy fitness function leads to robust analysis using grammatical evolution neural networks in the case of class imbalance, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 353–354, Atlanta, GA, USA, 2008, ACM.
- [59] JAŚKOWSKI, W., KRAWIEC, K., and WIELOCH, B., Fitnessless coevolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 355–362, Atlanta, GA, USA, 2008, ACM.
- [60] LICHODZIJEWSKI, P. and HEYWOOD, M. I., Managing team-based problem solving with symbiotic bid-based genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 363–370, Atlanta, GA, USA, 2008, ACM.

- [61] SERVICE, T. C. and TAURITZ, D. R., A no-free-lunch framework for coevolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 371–378, Atlanta, GA, USA, 2008, ACM.
- [62] SHI, M., An empirical comparison of evolution and coevolution for designing artificial neural network game players, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 379–386, Atlanta, GA, USA, 2008, ACM.
- [63] SERVICE, T. C. and TAURITZ, D. R., Co-optimization algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 387–388, Atlanta, GA, USA, 2008, ACM.
- [64] YANG, L., HUANG, H., and LIU, Y., A coevolution archive based on problem dimension, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 389–390, Atlanta, GA, USA, 2008, ACM.
- [65] CHUANG, C.-Y. and PING CHEN, Y., On the effectiveness of distributions estimated by probabilistic model building, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 391–398, Atlanta, GA, USA, 2008, ACM.
- [66] FERNANDES, C. M., LIMA, C., and ROSA, A. C., Umdas for dynamic optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 399–406, Atlanta, GA, USA, 2008, ACM.
- [67] GáMEZ, J. A., MATEO, J. L., and PUERTA, J. M., Improved edna (estimation of dependency networks algorithm) using combining function with bivariate probability distributions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 407–414, Atlanta, GA, USA, 2008, ACM.
- [68] HAUSCHILD, M. W., PELIKAN, M., SASTRY, K., and GOLDBERG, D. E., Using previous models to bias structural learning in the hierarchical boa, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 415–422, Atlanta, GA, USA, 2008, ACM.
- [69] ICLANZAN, D. and DUMITRESCU, D., Going for the big fishes: discovering and combining large neutral and massively multimodal building-blocks with model based macro-mutation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 423–430, Atlanta, GA, USA, 2008, ACM.
- [70] LIMA, C. F., LOBO, F. G., and PELIKAN, M., From mating pool distributions to model overfitting, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 431–438, Atlanta, GA, USA, 2008, ACM.
- [71] LIMA, C. F., FERNANDES, C., and LOBO, F. G., Investigating restricted tournament replacement in ecga for non-stationary environments, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 439–446, Atlanta, GA, USA, 2008, ACM.
- [72] PELIKAN, M., HELMUT, K. G., and KOBE, S., Finding ground states of sherrington-kirkpatrick spin glasses with hierarchical boa and genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 447–454, Atlanta, GA, USA, 2008, ACM.

- [73] PELIKAN, M., SASTRY, K., and GOLDBERG, D. E., iboa: the incremental bayesian optimization algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 455–462, Atlanta, GA, USA, 2008, ACM.
- [74] BROWNLEE, A. E., PELIKAN, M., MCCALL, J. A., and PETROVSKI, A., An application of a multivariate estimation of distribution algorithm to cancer chemotherapy, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 463–464, Atlanta, GA, USA, 2008, ACM.
- [75] BROWNLEE, A. E., WU, Y., MCCALL, J. A., et al., Optimisation and fitness modelling of bio-control in mushroom farming using a markov network eda, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 465–466, Atlanta, GA, USA, 2008, ACM.
- [76] DUQUE, T. S., GOLDBERG, D. E., and SASTRY, K., Improving the efficiency of the extended compact genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 467–468, Atlanta, GA, USA, 2008, ACM.
- [77] HERNáNDEZ-AGUIRRE, A., VILLA-DIHARCE, E., and BARBA-MORENO, S., An estimation distribution algorithm with the spearman's rank correlation index, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 469–470, Atlanta, GA, USA, 2008, ACM.
- [78] HONG, Y., KWONG, S., XIONG, H., and REN, Q., Data clustering using virtual population based incremental learning algorithm with similarity matrix encoding strategy, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 471–472, Atlanta, GA, USA, 2008, ACM.
- [79] MAYORGA-ALVAREZ, P. P. and HERNÁNDEZ-AGUIRRE, A., The directional eda for global optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 473–474, Atlanta, GA, USA, 2008, ACM.
- [80] SHAKYA, S. and SANTANA, R., An eda based on local markov property and gibbs sampling, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 475–476, Atlanta, GA, USA, 2008, ACM.
- [81] VALDEZ, S. I., HERNANDEZ-AGUIRRE, A., and BOTELLO-RIONDA, S., Designing edas by using the elitist convergent eda concept and the boltzmann distribution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 477–478, Atlanta, GA, USA, 2008, ACM.
- [82] AKIMOTO, Y., SAKUMA, J., ONO, I., and KOBAYASHI, S., Functionally specialized cma-es: a modification of cma-es based on the specialization of the functions of covariance matrix adaptation and step size adaptation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 479–486, Atlanta, GA, USA, 2008, ACM.
- [83] BEYER, H.-G. and MELKOZEROV, A., Mutative σ-self-adaptation can beat cumulative step size adaptation when using weighted recombination, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 487–494, Atlanta, GA, USA, 2008, ACM.

- [84] CAAMANO, P., BELLAS, F., BECERRA, J. A., and DURO, R. J., Application domain study of evolutionary algorithms in optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 495–502, Atlanta, GA, USA, 2008, ACM.
- [85] JäGERSKüPPER, J. and PREUSS, M., Aiming for a theoretically tractable csa variant by means of empirical investigations, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 503-510, Atlanta, GA, USA, 2008, ACM.
- [86] MEYER-NIEBERG, S. and BEYER, H.-G., Why noise may be good: additive noise on the sharp ridge, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 511–518, Atlanta, GA, USA, 2008, ACM.
- [87] SHIR, O. M., ROSLUND, J., BAECK, T., and RABITZ, H., Performance analysis of derandomized evolution strategies in quantum control experiments, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 519–526, Atlanta, GA, USA, 2008, ACM.
- [88] EPITROPAKIS, M. G., PLAGIANAKOS, V. P., and VRAHATIS, M. N., Non-monotone differential evolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 527–528, Atlanta, GA, USA, 2008, ACM.
- [89] JAMES, D., A comparison of speciation, extinction, and complexification in neuroevolution with and without selection pressure, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 529–530, Atlanta, GA, USA, 2008, ACM.
- [90] JUNIOR, A. R. L. and FERREIRA, T. A. E., A hybrid method for tuning neural network for time series forecasting, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 531–532, Atlanta, GA, USA, 2008, ACM.
- [91] NICHOLSON, J. and WHITE, M., Maintaining population diversity by maintaining family structures, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 533–534, Atlanta, GA, USA, 2008, ACM.
- [92] STALPH, P., EBNER, M., MICHEL, M., PFAFF, B., and BENZ, R., Multiobjective evolution of a fuzzy controller in a sewage treatment plant, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 535–536, Atlanta, GA, USA, 2008, ACM.
- [93] URFALIOGLU, O., CETIN, A. E., and KURUOGLU, E. E., Levy walk evolution for global optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 537–538, Atlanta, GA, USA, 2008, ACM.
- [94] DOERR, B., HAPP, E., and KLEIN, C., Crossover can provably be useful in evolutionary computation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 539–546, Atlanta, GA, USA, 2008, ACM.
- [95] KUMAR, R., TOLAY, P., and TIWARY, S., Enhancing solution quality of the biobjective graph coloring problem using hybridization of ea: biobjective graph coloring problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 547–554, Atlanta, GA, USA, 2008, ACM.

- [96] OCHOA, G., TOMASSINI, M., VéREL, S., and DARABOS, C., A study of nk landscapes' basins and local optima networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 555–562, Atlanta, GA, USA, 2008, ACM.
- [97] STEITZ, W. and ROTHLAUF, F., Orientation matters: how to efficiently solve ocst problems with problem-specific eas, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 563–570, Atlanta, GA, USA, 2008, ACM.
- [98] TERASHIMA-MARÍN, H., ORTIZ-BAYLISS, J. C., ROSS, P., and VALENZUELA-RENDÓN, M., Hyper-heuristics for the dynamic variable ordering in constraint satisfaction problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 571–578, Atlanta, GA, USA, 2008, ACM.
- [99] TOYAMA, F., SHOJI, K., and MIYAMICHI, J., An iterated greedy algorithm for the node placement problem in bidirectional manhattan street networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 579–584, Atlanta, GA, USA, 2008, ACM.
- [100] WHITLEY, D., SUTTON, A. M., and HOWE, A. E., Understanding elementary landscapes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 585–592, Atlanta, GA, USA, 2008, ACM.
- [101] YOON, Y., KIM, Y.-H., and MOON, B.-R., Feasibility-preserving crossover for maximum k-coverage problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 593–598, Atlanta, GA, USA, 2008, ACM.
- [102] ARAUJO, R. M. and LAMB, L. C., Distributed problem solving by memetic networks: extended abstract, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 599–600, Atlanta, GA, USA, 2008, ACM.
- [103] BADER-EL-DEN, M. B. and POLI, R., Evolving heuristics with genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 601–602, Atlanta, GA, USA, 2008, ACM.
- [104] BORGULYA, I., A parallel evolutionary algorithm for unconstrained binary quadratic problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 603–604, Atlanta, GA, USA, 2008, ACM.
- [105] BORSCHBACH, M. and EXELER, A., A tabu history driven crossover operator design for memetic algorithm applied to max-2sat-problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 605–606, Atlanta, GA, USA, 2008, ACM.
- [106] JULSTROM, B. A., An evolutionary algorithm for some cases of the single-source constrained plant location problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 607–608, Atlanta, GA, USA, 2008, ACM.
- [107] KELLER, R. E. and POLI, R., Subheuristic search and scalability in a hyperheuristic, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 609–610, Atlanta, GA, USA, 2008, ACM.

- [108] KHALED, A. and JULSTROM, B. A., Greedy heuristics and evolutionary algorithms for the bounded minimum-label spanning tree problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 611–612, Atlanta, GA, USA, 2008, ACM.
- [109] MAHDABI, P., JALILI, S., and ABADI, M., A multi-start quantum-inspired evolutionary algorithm for solving combinatorial optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 613–614, Atlanta, GA, USA, 2008, ACM.
- [110] QASEM, M. and PRUGEL-BENNETT, A., Complexity of max-sat using stochastic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 615–616, Atlanta, GA, USA, 2008, ACM.
- [111] AVIGAD, G. and BRANKE, J., Embedded evolutionary multi-objective optimization for worst case robustness, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 617–624, Atlanta, GA, USA, 2008, ACM.
- [112] DATTA, D., FIGUEIRA, J. R., FONSECA, C. M., and TAVARES-PEREIRA, F., Graph partitioning through a multi-objective evolutionary algorithm: a preliminary study, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 625–632, Atlanta, GA, USA, 2008, ACM.
- [113] DEB, K., A robust evolutionary framework for multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 633–640, Atlanta, GA, USA, 2008, ACM.
- [114] HOROBA, C. and NEUMANN, F., Benefits and drawbacks for the use of epsilon-dominance in evolutionary multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 641–648, Atlanta, GA, USA, 2008, ACM.
- [115] ISHIBUCHI, H., TSUKAMOTO, N., HITOTSUYANAGI, Y., and NOJIMA, Y., Effectiveness of scalability improvement attempts on the performance of nsga-ii for many-objective problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 649–656, Atlanta, GA, USA, 2008, ACM.
- [116] KANOH, H. and HARA, K., Hybrid genetic algorithm for dynamic multi-objective route planning with predicted traffic in a real-world road network, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 657–664, Atlanta, GA, USA, 2008, ACM.
- [117] LIZARRAGA-LIZARRAGA, G., HERNANDEZ-AGUIRRE, A., and BOTELLO-RIONDA, S., G-metric: an m-ary quality indicator for the evaluation of non-dominated sets, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 665–672, Atlanta, GA, USA, 2008, ACM.
- [118] JAIMES, A. L., Coello Coello, C. A., and CHAKRABORTY, D., Objective reduction using a feature selection technique, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 673–680, Atlanta, GA, USA, 2008, ACM.
- [119] Dos Santos, E. M., SABOURIN, R., and MAUPIN, P., Pareto analysis for the selection of classifier ensembles, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 681–688, Atlanta, GA, USA, 2008, ACM.

- [120] MARTÍ, L., GARCÍA, J., BERLANGA, A., and MOLINA, J. M., Introducing moneda: scalable multiobjective optimization with a neural estimation of distribution algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 689–696, Atlanta, GA, USA, 2008, ACM.
- [121] PFEIFFER, J., GOLLE, U., and ROTHLAUF, F., Reference point based multi-objective evolutionary algorithms for group decisions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 697–704, Atlanta, GA, USA, 2008, ACM.
- [122] SCHUETZE, O., SANCHEZ, G., and Coello Coello, C. A., A new memetic strategy for the numerical treatment of multi-objective optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 705-712, Atlanta, GA, USA, 2008, ACM.
- [123] SCHUETZE, O., Coello Coello, C. A., TANTAR, E., and TALBI, E.-G., Computing finite size representations of the set of approximate solutions of an mop with stochastic search algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 713–720, Atlanta, GA, USA, 2008, ACM.
- [124] TALUKDER, A. K. A., KIRLEY, M., and BUYYA, R., A pareto following variation operator for fast-converging multiobjective evolutionary algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 721–728, Atlanta, GA, USA, 2008, ACM.
- [125] TIWARI, S., KOCH, P., FADEL, G., and DEB, K., Amga: an archive-based micro genetic algorithm for multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 729–736, Atlanta, GA, USA, 2008, ACM.
- [126] ULRICH, T., BROCKHOFF, D., and ZITZLER, E., Pattern identification in pareto-set approximations, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 737–744, Atlanta, GA, USA, 2008, ACM.
- [127] WICKRAMASINGHE, U. K. and LI, X., Integrating user preferences with particle swarms for multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 745–752, Atlanta, GA, USA, 2008, ACM.
- [128] AVIGAD, G. and Coello Coello, C. A., Solving constrained multi-objective problems by objective space analysis, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 753–754, Atlanta, GA, USA, 2008, ACM.
- [129] GAMHEWA, S. and HINGSTON, P. F., Testing parallelization paradigms for moeas, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 755–756, Atlanta, GA, USA, 2008, ACM.
- [130] LEON, C., MIRANDA, G., and SEGURA, C., Parallel hyperheuristic: a self-adaptive island-based model for multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 757–758, Atlanta, GA, USA, 2008, ACM.
- [131] LIZáRRAGA-LIZÁRRAGA, G., HERNÁNDEZ-AGUIRRE, A., and BOTELLO-RIONDA, S., On the possibility to create a compatible-complete unary comparison method for evolutionary multiobjective algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 759-760, Atlanta, GA, USA, 2008, ACM.

- [132] LUST, T., Speed-up techniques for solving large-scale btsp with the two-phase pareto local search, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 761–762, Atlanta, GA, USA, 2008, ACM.
- [133] SANTANA-QUINTERO, L. V., Coello Coello, C. A., and HERNANDEZ-DIAZ, A. G., Hybridizing surrogate techniques, rough sets and evolutionary algorithms to efficiently solve multi-objective optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 763–764, Atlanta, GA, USA, 2008, ACM.
- [134] PIRES, E. J. S., MENDES, L., de Moura Oliveira, P. B., et al., Single-objective front optimization: application to rf circuit design, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 765–766, Atlanta, GA, USA, 2008, ACM.
- [135] WEN, F., GAO, X., and GEN, M., A novel approach to route selection in car navigation systems by a multiobjective genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 767–768, Atlanta, GA, USA, 2008, ACM.
- [136] MARTÍNEZ, S. Z. and Coello Coello, C. A., Hybridizing an evolutionary algorithm with mathematical programming techniques for multi-objective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 769–770, Atlanta, GA, USA, 2008, ACM.
- [137] DIETZFELBINGER, M., ROWE, J. E., WEGENER, I., and WOELFEL, P., Precision, local search and unimodal functions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 771–778, Atlanta, GA, USA, 2008, ACM.
- [138] NEUMANN, F., REICHEL, J., and SKUTELLA, M., Computing minimum cuts by randomized search heuristics, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 779–786, Atlanta, GA, USA, 2008, ACM.
- [139] WEISE, T., NIEMCZYK, S., SKUBCH, H., REICHLE, R., and GEIHS, K., A tunable model for multi-objective, epistatic, rugged, and neutral fitness landscapes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 795–802, Atlanta, GA, USA, 2008, ACM.
- [140] WEYLAND, D., Simulated annealing, its parameter settings and the longest common subsequence problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 803–810, Atlanta, GA, USA, 2008, ACM.
- [141] WHITLEY, D. and ROWE, J., Focused no free lunch theorems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 811–818, Atlanta, GA, USA, 2008, ACM.
- [142] D'AMBROSIO, D. B. and STANLEY, K. O., Generative encoding for multiagent learning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 819–826, Atlanta, GA, USA, 2008, ACM.
- [143] KHEMKA, N., NOVAKOWSKI, S., HUSHLAK, G., and JACOB, C., Evolutionary design of dynamic swarmscapes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 827–834, Atlanta, GA, USA, 2008, ACM.

- [144] KOMATSU, H., HASHIMOTO, Y., CHEN, Y., and OHASHI, H., An evolvability-enhanced artificial embryogeny for generating network structures, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 835–842, Atlanta, GA, USA, 2008, ACM.
- [145] KOWALIW, T., Measures of complexity for artificial embryogeny, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 843–850, Atlanta, GA, USA, 2008, ACM.
- [146] STEINER, T., JIN, Y., and SENDHOFF, B., A cellular model for the evolutionary development of lightweight material with an inner structure, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 851–858, Atlanta, GA, USA, 2008, ACM.
- [147] TUFTE, G., Phenotypic, developmental and computational resources: scaling in artificial development, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 859–866, Atlanta, GA, USA, 2008, ACM.
- [148] CLUNE, J., OFRIA, C., and PENNOCK, R. T., How generative encodings fare on less regular problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 867–868, Atlanta, GA, USA, 2008, ACM.
- [149] JIANG, F., BERRY, H., and SCHOENAUER, M., Unsupervised learning of echo state networks: balancing the double pole, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 869–870, Atlanta, GA, USA, 2008, ACM.
- [150] YOGEV, O., SHAPIRO, A. A., and ANTONSSON, E. K., Growth control and disease mechanisms in computational embryogeny, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 871–872, Atlanta, GA, USA, 2008, ACM.
- [151] ARANHA, C. C. and IBA, H., A tree-based ga representation for the portfolio optimization problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 873–880, Atlanta, GA, USA, 2008, ACM.
- [152] Barkat Ullah, A. S. S. M., SARKER, R., and CORNFORTH, D., Search space reduction technique for constrained optimization with tiny feasible space, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 881–888, Atlanta, GA, USA, 2008, ACM.
- [153] BHATT, A., VARSHNEY, P., and DEB, K., In search of no-loss strategies for the game of tictac-toe using a customized genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 889–896, Atlanta, GA, USA, 2008, ACM.
- [154] CARRANO, E. G., TAKAHASHI, R. H., and WANNER, E. F., An enhanced statistical approach for evolutionary algorithm comparison, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 897–904, Atlanta, GA, USA, 2008, ACM.
- [155] CERVANTES, J. and STEPHENS, C. R., Rank based variation operators for genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 905–912, Atlanta, GA, USA, 2008, ACM.

- [156] DACOSTA, L., FIALHO, A., SCHOENAUER, M., and SEBAG, M., Adaptive operator selection with dynamic multi-armed bandits, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 913–920, Atlanta, GA, USA, 2008, ACM.
- [157] DESELL, T., SZYMANSKI, B., and VARELA, C., An asynchronous hybrid genetic-simplex search for modeling the milky way galaxy using volunteer computing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 921–928, Atlanta, GA, USA, 2008, ACM.
- [158] DOERR, B., JANSEN, T., and KLEIN, C., Comparing global and local mutations on bit strings, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 929–936, Atlanta, GA, USA, 2008, ACM.
- [159] FERNANDES, C. M., MERELO, J. J., RAMOS, V., and ROSA, A. C., A self-organized criticality mutation operator for dynamic optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 937–944, Atlanta, GA, USA, 2008, ACM.
- [160] FRIEDRICH, T., OLIVETO, P. S., SUDHOLT, D., and WITT, C., Theoretical analysis of diversity mechanisms for global exploration, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 945–952, Atlanta, GA, USA, 2008, ACM.
- [161] HAPP, E., JOHANNSEN, D., KLEIN, C., and NEUMANN, F., Rigorous analyses of fitness-proportional selection for optimizing linear functions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 953–960, Atlanta, GA, USA, 2008, ACM.
- [162] de Lima, T. W., ROTHLAUF, F., and DELBEM, A. C., The node-depth encoding: analysis and application to the bounded-diameter minimum spanning tree problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 969–976, Atlanta, GA, USA, 2008, ACM.
- [163] LIOU, J.-J. and PING CHEN, Y., Adaptive discretization on multidimensional continuous search spaces, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 977–984, Atlanta, GA, USA, 2008, ACM.
- [164] LLORà, X., YASUI, N. I., and GOLDBERG, D. E., Graph-theoretic measure for active igas: interaction sizing and parallel evaluation ensemble, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 985–992, Atlanta, GA, USA, 2008, ACM.
- [165] MUELAS, S., JOSÉ M. PE N., ROBLES, V., and LATORRE, A., Voronoi-initializated island models for solving real-coded deceptive problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 993–1000, Atlanta, GA, USA, 2008, ACM.
- [166] NAKAMA, T., Theoretical analysis of genetic algorithms in noisy environments based on a markov model, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1001–1008, Atlanta, GA, USA, 2008, ACM.
- [167] NEUBAUER, A., Theory of the simple genetic algorithm with α-selection, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1009–1016, Atlanta, GA, USA, 2008, ACM.

- [168] NGUYEN, Q. H., ONG, Y. S., and LIM, M. H., Non-genetic transmission of memes by diffusion, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1017–1024, Atlanta, GA, USA, 2008, ACM.
- [169] PARK, T., CHOE, R., and RYU, K. R., Dual-population genetic algorithm for nonstationary optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1025–1032, Atlanta, GA, USA, 2008, ACM.
- [170] SHEAHAN, A. and RYAN, C., A transformation-based approach to static multiprocessor scheduling, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1041–1048, Atlanta, GA, USA, 2008, ACM.
- [171] STONEDAHL, F., RAND, W., and WILENSKY, U., Crossnet: a framework for crossover with network-based chromosomal representations, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1057–1064, Atlanta, GA, USA, 2008, ACM.
- [172] TROIANO, L., BIRTOLO, C., and MIRANDA, M., Adapting palettes to color vision deficiencies by genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1065–1072, Atlanta, GA, USA, 2008, ACM.
- [173] TSUJI, M., MUNETOMO, M., and AKAMA, K., Empirical investigations on parallel competent genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1073–1080, Atlanta, GA, USA, 2008, ACM.
- [174] WHITACRE, J. M., ABBASS, H. A., SARKER, R., BENDER, A., and BAKER, S., Strategic positioning in tactical scenario planning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1081–1088, Atlanta, GA, USA, 2008, ACM.
- [175] YU, T.-L. and LIN, W.-K., Optimal sampling of genetic algorithms on polynomial regression, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1089–1096, Atlanta, GA, USA, 2008, ACM.
- [176] BERENBOYM, I. and AVIGAL, M., Genetic algorithms with local search optimization for protein structure prediction problem, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1097–1098, Atlanta, GA, USA, 2008, ACM.
- [177] BERGMANN, K. P., SCHEIDLER, R., and JACOB, C., Cryptanalysis using genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1099–1100, Atlanta, GA, USA, 2008, ACM.
- [178] BREUKELAAR, R. and BAECK, T., Self-adaptive mutation rates in genetic algorithm for inverse design of cellular automata, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1101–1102, Atlanta, GA, USA, 2008, ACM.
- [179] CASTILLO, P. A., FERNÁNDEZ, G., MORA, A., et al., Evolving machine microprograms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1103–1104, Atlanta, GA, USA, 2008, ACM.

- [180] GODLEY, P. M., CAIRNS, D. E., COWIE, J., SWINGLER, K. M., and MCCALL, J., The effects of mutation and directed intervention crossover when applied to scheduling chemotherapy, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1105–1106, Atlanta, GA, USA, 2008, ACM.
- [181] HANADA, Y., HIROYASU, T., and MIKI, M., Analysis of the performance of genetic multistep search in interpolation and extrapolation domain, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on* Genetic and evolutionary computation, pp. 1107–1108, Atlanta, GA, USA, 2008, ACM.
- [182] HOLDENER, E. A. and TAURITZ, D. R., Learning offspring optimizing mate selection, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1109–1110, Atlanta, GA, USA, 2008, ACM.
- [183] ISHIBUCHI, H., TSUKAMOTO, N., and NOJIMA, Y., Maintaining the diversity of solutions by non-geometric binary crossover: a worst one-max solver competition case study, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1111–1112, Atlanta, GA, USA, 2008, ACM.
- [184] YI JIANG, H. and CHANG, C. K., Deriving evaluation metrics for applicability of genetic algorithms to optimization problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1113–1114, Atlanta, GA, USA, 2008, ACM.
- [185] KHOSRAVIANI, M., POUR-MOZAFARI, S., and EBADZADEH, M. M., Convergence analysis of quantum-inspired genetic algorithms with the population of a single individual, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1115–1116, Atlanta, GA, USA, 2008, ACM.
- [186] KIM, Y.-H., Linear transformation in pseudo-boolean functions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1117–1118, Atlanta, GA, USA, 2008, ACM.
- [187] LATORRE, A., JOSé M. PE N., ROBLES, V., and MUELAS, S., Using multiple offspring sampling to guide genetic algorithms to solve permutation problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1119–1120, Atlanta, GA, USA, 2008, ACM.
- [188] LE, M. N., ONG, Y. S., and NGUYEN, Q. H., Optinformatics for schema analysis of binary genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1121–1122, Atlanta, GA, USA, 2008, ACM.
- [189] LI, Z. and GOODMAN, E. D., A practical search index and population size analysis based on the building block hypothesis, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1123–1124, Atlanta, GA, USA, 2008, ACM.
- [190] MARTINS, F. V., CARRANO, E. G., WANNER, E. F., and TAKAHASHI, R. H., The microgenetic operator in the search of global trends, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1125–1126, Atlanta, GA, USA, 2008, ACM.
- [191] GINLEY, B. M., MORGAN, F., and O'RIORDAN, C., Maintaining diversity through adaptive selection, crossover and mutation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1127–1128, Atlanta, GA, USA, 2008, ACM.

- [192] NAJAFI, M. and BEIGY, H., Using pca to improve evolutionary cellular automata algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1129–1130, Atlanta, GA, USA, 2008, ACM.
- [193] NOJOUMIAN, M. and NAIR, D. K., Comparing genetic algorithm and guided local search methods by symmetric tsp instances, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1131–1132, Atlanta, GA, USA, 2008, ACM.
- [194] PAPA, G., Parameter-less evolutionary search, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1133–1134, Atlanta, GA, USA, 2008, ACM.
- [195] PAPERIN, G., Evolving sequence patterns for prediction of sub-cellular locations of eukaryotic proteins, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1135–1136, Atlanta, GA, USA, 2008, ACM.
- [196] PIZZUTI, C., Community detection in social networks with genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1137–1138, Atlanta, GA, USA, 2008, ACM.
- [197] RISCO-MARTÍN, J. L., HIDALGO, J. I., LANCHARES, J., and GARNICA, O., Solving discrete deceptive problems with emmrs, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1139–1140, Atlanta, GA, USA, 2008, ACM.
- [198] SAHIN, C. S., URREA, E., UYAR, M. U., et al., Genetic algorithms for self-spreading nodes in manets, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1141–1142, Atlanta, GA, USA, 2008, ACM.
- [199] SATO, Y., GOLDBERG, D., and SASTRY, K., Improving small population performance under noise with viral infection + tropism, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1143–1144, Atlanta, GA, USA, 2008, ACM.
- [200] SEIXAS, F. L., OCHI, L. S., CONCI, A., and SAADE, D. M., Image registration using genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1145–1146, Atlanta, GA, USA, 2008, ACM.
- [201] TROUTMAN, N. P., ESKRIDGE, B. E., and HOUGEN, D. F., Is "best-so-far"a good algorithmic performance metric?, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1147–1148, Atlanta, GA, USA, 2008, ACM.
- [202] WANNER, E. F., CARRANO, E. G., and TAKAHASHI, R. H., Coordinate change operators for genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1149–1150, Atlanta, GA, USA, 2008, ACM.
- [203] YOGEV, O., SHAPIRO, A. A., and ANTONSSON, E. K., Modularity and symmetry in computational embryogeny, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1151–1152, Atlanta, GA, USA, 2008, ACM.

- [204] ZAMALLOA, M., RODRIGUEZ-FUENTES, L. J., MIKEL PE N., BORDEL, G., and URIBE, J. P., Comparing genetic algorithms to principal component analysis and linear discriminant analysis in reducing feature dimensionality for speaker recognition, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1153–1154, Atlanta, GA, USA, 2008, ACM.
- [205] AGAPITOS, A., DYSON, M., LUCAS, S. M., and SEPULVEDA, F., Learning to recognise mental activities: genetic programming of stateful classifiers for brain-computer interfacing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1155–1162, Atlanta, GA, USA, 2008, ACM.
- [206] AGAPITOS, A., DYSON, M., KOVALCHUK, J., and LUCAS, S. M., On the genetic programming of time-series predictors for supply chain management, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1163–1170, Atlanta, GA, USA, 2008, ACM.
- [207] AUGUSTO, D. A., BARBOSA, H. J., and EBECKEN, N. F., Coevolution of data samples and classifiers integrated with grammatically-based genetic programming for data classification, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1171–1178, Atlanta, GA, USA, 2008, ACM.
- [208] BAI, L., EYIYUREKLI, M., and BREEN, D. E., Automated shape composition based on cell biology and distributed genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1179–1186, Atlanta, GA, USA, 2008, ACM.
- [209] BINARD, F. and FELTY, A., Genetic programming with polymorphic types and higher-order functions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1187– 1194, Atlanta, GA, USA, 2008, ACM.
- [210] CERNY, B. M., NELSON, P. C., and ZHOU, C., Using differential evolution for symbolic regression and numerical constant creation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1195–1202, Atlanta, GA, USA, 2008, ACM.
- [211] KAMEYA, Y., KUMAGAI, J., and KURATA, Y., Accelerating genetic programming by frequent subtree mining, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1203–1210, Atlanta, GA, USA, 2008, ACM.
- [212] KATTAN, A. and POLI, R., Evolutionary lossless compression with gp-zip*, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1211–1218, Atlanta, GA, USA, 2008, ACM.
- [213] KAUFMANN, P. and PLATZNER, M., Advanced techniques for the creation and propagation of modules in cartesian genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1219–1226, Atlanta, GA, USA, 2008, ACM.
- [214] KUMAR, R., JOSHI, A. H., BANKA, K. K., and ROCKETT, P. I., Evolution of hyperheuristics for the biobjective 0/1 knapsack problem by multiobjective genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1227–1234, Atlanta, GA, USA, 2008, ACM.

- [215] MCPHEE, N. F. and POLI, R., Memory with memory: soft assignment in genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1235–1242, Atlanta, GA, USA, 2008, ACM.
- [216] Mora García, A. M., VALDIVIESO, P. A. C., GUERVóS, J. J. M., et al., Discovering causes of financial distress by combining evolutionary algorithms and artificial neural networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1243–1250, Atlanta, GA, USA, 2008, ACM.
- [217] MURPHY, G. and RYAN, C., Exploiting the path of least resistance in evolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1251–1258, Atlanta, GA, USA, 2008, ACM.
- [218] NUNKESSER, R., Analysis of a genetic programming algorithm for association studies, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1259–1266, Atlanta, GA, USA, 2008, ACM.
- [219] POLI, R. and MCPHEE, N. F., Parsimony pressure made easy, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1267–1274, Atlanta, GA, USA, 2008, ACM.
- [220] POLI, R., MCPHEE, N. F., and VANNESCHI, L., The impact of population size on code growth in gp: analysis and empirical validation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1275–1282, Atlanta, GA, USA, 2008, ACM.
- [221] de Sá, L. B. and MESQUITA, A., Evolutionary synthesis of low-sensitivity equalizers using adjacency matrix representation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1283–1290, Atlanta, GA, USA, 2008, ACM.
- [222] SPECTOR, L., CLARK, D. M., LINDSAY, I., BARR, B., and KLEIN, J., Genetic programming for finite algebras, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1291–1298, Atlanta, GA, USA, 2008, ACM.
- [223] TRUJILLO, L., OLAGUE, G., LUTTON, E., and de Vega, F. F., Multiobjective design of operators that detect points of interest in images, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1299–1306, Atlanta, GA, USA, 2008, ACM.
- [224] TURNER, C. J., TIWARI, A., and MEHNEN, J., A genetic programming approach to business process mining, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1307–1314, Atlanta, GA, USA, 2008, ACM.
- [225] WEDGE, D. C. and KELL, D. B., Rapid prediction of optimum population size in genetic programming using a novel genotype -: fitness correlation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1315–1322, Atlanta, GA, USA, 2008, ACM.
- [226] XIE, H., ZHANG, M., ANDREAE, P., and JOHNSON, M., An analysis of multi-sampled issue and no-replacement tournament selection, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1323–1330, Atlanta, GA, USA, 2008, ACM.

- [227] BARATE, R. and MANZANERA, A., Generalization performance of vision based controllers for mobile robots evolved with genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1331–1332, Atlanta, GA, USA, 2008, ACM.
- [228] CLEGG, J., Combining cartesian genetic programming with an estimation of distribution algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1333–1334, Atlanta, GA, USA, 2008, ACM.
- [229] FOGELSON, S. V. and POTTER, W. D., A formulation for the relative permittivity of water and steam to high temperatures and pressures evolved using genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1335–1336, Atlanta, GA, USA, 2008, ACM.
- [230] HU, T. and BANZHAF, W., Measuring rate of evolution in genetic programming using amino acid to synonymous substitution ratio ka/ks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1337–1338, Atlanta, GA, USA, 2008, ACM.
- [231] LEWIS, T. E. and MAGOULAS, G. D., Tread: a new genetic programming representation aimed at research of long term complexity growth, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1339–1340, Atlanta, GA, USA, 2008, ACM.
- [232] LI, C., HIROYASU, T., and MIKI, M., Stress-based crossover operator for structure topology optimization using small population size and variable length chromosome, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1341–1342, Atlanta, GA, USA, 2008, ACM.
- [233] POLI, R., MCPHEE, N. F., and VANNESCHI, L., Elitism reduces bloat in genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1343–1344, Atlanta, GA, USA, 2008, ACM.
- [234] WHITE, T. and SALEHI-ABARI, A., A swarm-based crossover operator for genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1345–1346, Atlanta, GA, USA, 2008, ACM.
- [235] WIJESINGHE, G. and CIESIELSKI, V., Experiments with indexed for-loops in genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1347–1348, Atlanta, GA, USA, 2008, ACM.
- [236] BUTZ, M. V., LANZI, P. L., LLORà, X., and LOIACONO, D., An analysis of matching in learning classifier systems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1349–1356, Atlanta, GA, USA, 2008, ACM.
- [237] BUTZ, M. V. and HERBORT, O., Context-dependent predictions and cognitive arm control with xcsf, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1357– 1364, Atlanta, GA, USA, 2008, ACM.
- [238] BUTZ, M. V., STALPH, P., and LANZI, P. L., Self-adaptive mutation in xcsf, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1365–1372, Atlanta, GA, USA, 2008, ACM.

- [239] CHOW, R., ZHONG, W., BLACKMON, M., STOLZ, R., and DOWELL, M., An efficient symga feature selection model for large healthcare databases, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1373–1380, Atlanta, GA, USA, 2008, ACM.
- [240] HONG, Y., KWONG, S., XIONG, H., and REN, Q., Genetic-guided semi-supervised clustering algorithm with instance-level constraints, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1381–1388, Atlanta, GA, USA, 2008, ACM.
- [241] HOWARD, G. D., BULL, L., and LANZI, P.-L., Self-adaptive constructivism in neural xcs and xcsf, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1389–1396, Atlanta, GA, USA, 2008, ACM.
- [242] KASSAHUN, Y., de Gea, J., EDGINGTON, M., METZEN, J. H., and KIRCHNER, F., Accelerating neuroevolutionary methods using a kalman filter, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1397–1404, Atlanta, GA, USA, 2008, ACM.
- [243] KOHL, N. and MIIKKULAINEN, R., Evolving neural networks for fractured domains, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1405–1412, Atlanta, GA, USA, 2008, ACM.
- [244] TEIXIDó-NAVARRO, F., ORRIOLS-PUIG, A., and BERNADó-MANSILLA, E., Hierarchical evolution of linear regressors, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1413–1420, Atlanta, GA, USA, 2008, ACM.
- [245] BACARDIT, J. and KRASNOGOR, N., Fast rule representation for continuous attributes in genetics-based machine learning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1421–1422, Atlanta, GA, USA, 2008, ACM.
- [246] Dos Santos, E. M., OLIVEIRA, L. S., SABOURIN, R., and MAUPIN, P., Overfitting in the selection of classifier ensembles: a comparative study between pso and ga, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1423–1424, Atlanta, GA, USA, 2008, ACM.
- [247] METZEN, J. H., KIRCHNER, F., EDGINGTON, M., and KASSAHUN, Y., Towards efficient online reinforcement learning using neuroevolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1425–1426, Atlanta, GA, USA, 2008, ACM.
- [248] PITANGUI, C. G. and ZAVERUCHA, G., Genetic local search for rule learning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1427–1428, Atlanta, GA, USA, 2008, ACM.
- [249] PRIESTERJAHN, S., Imitation-based evolution of artificial players in modern computer games, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1429–1430, Atlanta, GA, USA, 2008, ACM.
- [250] RAMÍREZ-RUIZ, J. A., VALENZUELA-RENDÓN, M., and TERASHIMA-MARÍN, H., A new approach to fuzzy lcss in two-dimensional continuous multistep environment with continuous vector actions, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1433–1434, Atlanta, GA, USA, 2008, ACM.

- [251] WINKLER, S. M., AFFENZELLER, M., and WAGNER, S., Fine-grained population diversity estimation for genetic programming based structure identification, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1435–1436, Atlanta, GA, USA, 2008, ACM.
- [252] ABBASS, H. A., BENDER, A., DAM, H. H., et al., Computational scenario-based capability planning, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1437–1444, Atlanta, GA, USA, 2008, ACM.
- [253] ABRAHAM, A., BISWAS, A., DAS, S., and DASGUPTA, S., Design of fractional order piλdμ controllers with an improved differential evolution, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1445–1452, Atlanta, GA, USA, 2008, ACM.
- [254] CIESIELSKI, V., WU, N., and TAHAGHOGHI, S., Evolving similarity functions for code plagiarism detection, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1453–1460, Atlanta, GA, USA, 2008, ACM.
- [255] DAS, S., KODURU, P., CAI, X., WELCH, S., and SARANGAN, V., The gene regulatory network: an application to optimal coverage in sensor networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1461–1468, Atlanta, GA, USA, 2008, ACM.
- [256] DAVID-TABIBI, O., KOPPEL, M., and NETANYAHU, N. S., Genetic algorithms for mentor-assisted evaluation function optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1469–1476, Atlanta, GA, USA, 2008, ACM.
- [257] de la Cruz, J. M., BESADA-PORTAS, E., TORRE-CUBILLO, L., ANDRES-TORO, B., and LOPEZ-OROZCO, J. A., Evolutionary path planner for uavs in realistic environments, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1477–1484, Atlanta, GA, USA, 2008, ACM.
- [258] GEORGE, B., GIBSON, S. J., MAYLIN, M. I., and SOLOMON, C. J., Efit-v -: interactive evolutionary strategy for the construction of photo-realistic facial composites, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1485–1490, Atlanta, GA, USA, 2008, ACM.
- [259] GRIMME, C., LEPPING, J., and PAPASPYROU, A., Discovering performance bounds for grid scheduling by using evolutionary multiobjective optimization, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1491–1498, Atlanta, GA, USA, 2008, ACM.
- [260] HASIRCIOGLU, I., TOPCUOGLU, H. R., and ERMIS, M., 3-d path planning for the navigation of unmanned aerial vehicles by using evolutionary algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1499–1506, Atlanta, GA, USA, 2008, ACM.
- [261] HASSAN, G. and CLACK, C. D., Multiobjective robustness for portfolio optimization in volatile environments, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1507–1514, Atlanta, GA, USA, 2008, ACM.
- [262] HIDALGO, J. I., RISCO-MARTÍN, J. L., ATIENZA, D., and LANCHARES, J., Analysis of multi-objective evolutionary algorithms to optimize dynamic data types in embedded systems,

- in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1515–1522, Atlanta, GA, USA, 2008, ACM.
- [263] HIRAYAMA, Y., CLARKE, T., and MILLER, J. F., Fault tolerant control using cartesian genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1523–1530, Atlanta, GA, USA, 2008, ACM.
- [264] HOLMES, T. and ZANKER, J., Eye on the prize: using overt visual attention to drive fitness for interactive evolutionary computation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1531–1538, Atlanta, GA, USA, 2008, ACM.
- [265] JAROS, J. and DVORAK, V., An evolutionary design technique for collective communications on optimal diameter-degree networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1539–1546, Atlanta, GA, USA, 2008, ACM.
- [266] KABLI, R., MCCALL, J., HERRMANN, F., and ONG, E., Evolved bayesian networks as a versatile alternative to partin tables for prostate cancer management, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1547–1554, Atlanta, GA, USA, 2008, ACM.
- [267] KRUISSELBRINK, J. W., BäCK, T., IJZERMAN, A. P., and van der Horst, E., Evolutionary algorithms for automated drug design towards target molecule properties, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1555–1562, Atlanta, GA, USA, 2008, ACM.
- [268] LEIGH, R., SCHONFELD, J., and LOUIS, S. J., Using coevolution to understand and validate game balance in continuous games, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1563–1570, Atlanta, GA, USA, 2008, ACM.
- [269] LIM, Y. T., CHENG, P. C., ROHATGI, P., and CLARK, J. A., Mls security policy evolution with genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1571–1578, Atlanta, GA, USA, 2008, ACM.
- [270] LUNA, F., ESTÉBANEZ, C., LEÓN, C., et al., Metaheuristics for solving a real-world frequency assignment problem in gsm networks, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1579–1586, Atlanta, GA, USA, 2008, ACM.
- [271] MATSUI, S. and YAMADA, S., Optimizing hierarchical menus by genetic algorithm and simulated annealing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1587–1594, Atlanta, GA, USA, 2008, ACM.
- [272] MOEN, H. J. F. and KRISTOFFERSEN, S., Multi-resistant radar jamming using genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1595–1602, Atlanta, GA, USA, 2008, ACM.
- [273] OLIWA, T. M., Genetic algorithms and the abc music notation language for rock music composition, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1603–1610, Atlanta, GA, USA, 2008, ACM.

- [274] PEDERSEN, G. K. and YANG, Z., Efficiency optimization of a multi-pump booster system, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1611–1618, Atlanta, GA, USA, 2008, ACM.
- [275] PEDERSEN, G. K. and YANG, Z., Estimation of pump-curves using genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1619–1626, Atlanta, GA, USA, 2008, ACM.
- [276] RAJA, A., AZAD, R. M. A., FLANAGAN, C., and RYAN, C., Voip speech quality estimation in a mixed context with genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1627–1634, Atlanta, GA, USA, 2008, ACM.
- [277] SARUWATARI, S., LLORA, X., YASUI, N. I., et al., Speeding online synthesis via enforced selecto-recombination, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1635–1642, Atlanta, GA, USA, 2008, ACM.
- [278] SLANY, K., Branch predictor on-line evolutionary system, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1643–1648, Atlanta, GA, USA, 2008, ACM.
- [279] SONG, A. and FANG, D., Robust method of detecting moving objects in videos evolved by genetic programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1649–1656, Atlanta, GA, USA, 2008, ACM.
- [280] WAGNER, N. and MICHALEWICZ, Z., An analysis of adaptive windowing for time series forecasting in dynamic environments: further tests of the dyfor gp model, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1657–1664, Atlanta, GA, USA, 2008, ACM.
- [281] WILLIS, A., PATEL, S., and CLACK, C. D., Gp age-layer and crossover effects in bid-offer spread prediction, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1665– 1672, Atlanta, GA, USA, 2008, ACM.
- [282] WU, S. X. and BANZHAF, W., Combatting financial fraud: a coevolutionary anomaly detection approach, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1673–1680, Atlanta, GA, USA, 2008, ACM.
- [283] YAN, W., SEWELL, M. D., and CLACK, C. D., Learning to optimize profits beats predicting returns -: comparing techniques for financial portfolio optimisation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1681–1688, Atlanta, GA, USA, 2008, ACM.
- [284] ATAKA, S. and GEN, M., The study for transportation planning considered the inventory using hybrid genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1689–1690, Atlanta, GA, USA, 2008, ACM.
- [285] BORENSTEIN, Y., SHAH, N., TSANG, E., et al., On the partitioning of dynamic scheduling problems -: assigning technicians to areas, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1691–1692, Atlanta, GA, USA, 2008, ACM.

- [286] CHEN, Y., MABU, S., SHIMADA, K., and HIRASAWA, K., Construction of portfolio optimization system using genetic network programming with control nodes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1693–1694, Atlanta, GA, USA, 2008, ACM.
- [287] DASGUPTA, S., BISWAS, A., DAS, S., and ABRAHAM, A., Automatic circle detection on images with an adaptive bacterial foraging algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1695–1696, Atlanta, GA, USA, 2008, ACM.
- [288] DE MARCOS, L., MARTÍNEZ, J.-J., GUTIERREZ, J.-A., BARCHINO, R., and GUTIÉRREZ, J.-M., An evolutionary approach for competency-based curriculum sequencing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1697–1698, Atlanta, GA, USA, 2008, ACM.
- [289] DEWRI, R., WHITLEY, D., RAY, I., and RAY, I., Evolution strategy based optimization of ondemand dependent data broadcast scheduling, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1699–1700, Atlanta, GA, USA, 2008, ACM.
- [290] GARCÍA-SáNCHEZ, P., MERELO, J. J., SEVILLA, J. P., et al., Automatic generation of xslt stylesheets using evolutionary algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1701–1702, Atlanta, GA, USA, 2008, ACM.
- [291] GYURECZ, G., Genetic algorithm in removing local nurbs surface irregularities using highlight lines, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1703– 1704, Atlanta, GA, USA, 2008, ACM.
- [292] KODALI, S. P., BANDARU, S., DEB, K., MUNSHI, P., and KISHORE, N. N., Applicability of genetic algorithms to reconstruction of projected data from ultrasonic tomography, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1705–1706, Atlanta, GA, USA, 2008, ACM.
- [293] EUN LEE, J., GEN, M., and GU RHEE, K., Designing a multistage reverse logistics network problem by hybrid genetic algorithm, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1707–1708, Atlanta, GA, USA, 2008, ACM.
- [294] MABU, S., CHEN, Y., OHKAWA, E., and HIRASAWA, K., Stock trading strategies by genetic network programming with flag nodes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1709–1710, Atlanta, GA, USA, 2008, ACM.
- [295] MACNEIL, P. E., Genetic algorithms and solutions of an interesting differential equation, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1711–1712, Atlanta, GA, USA, 2008, ACM.
- [296] ORTÍZ, A. O., ANGEL E. MU N. Z., and AGUIRRE, A. H., A hybrid system using pso and data mining for determining the ranking of a new participant in eurovision, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1713–1714, Atlanta, GA, USA, 2008, ACM.

- [297] OHKAWA, E., CHEN, Y., MABU, S., SHIMADA, K., and HIRASAWA, K., Varying portfolio construction of stocks using genetic network programming with control nodes, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1715–1716, Atlanta, GA, USA, 2008, ACM.
- [298] ORANCHAK, D., Evolutionary algorithm for decryption of monoalphabetic homophonic substitution ciphers encoded as constraint satisfaction problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1717–1718, Atlanta, GA, USA, 2008, ACM.
- [299] QUIROZ, J. C., BANERJEE, A., and LOUIS, S. J., Igap: interactive genetic algorithm peer to peer, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1719–1720, Atlanta, GA, USA, 2008, ACM.
- [300] SATO, Y., SUZUKI, R., and AKATSUKA, Y., Dependencies on player formation in event-driven hybrid learning classifier systems for soccer video games, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1721–1722, Atlanta, GA, USA, 2008, ACM.
- [301] SHARMA, D., DEB, K., and KISHORE, N. N., A domain-specific crossover and a helper objective for generating minimum weight compliant mechanisms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1723–1724, Atlanta, GA, USA, 2008, ACM.
- [302] ZHANG, K., SUN, S., and SI, H., Prediction of retention times for a large set of pesticides based on improved gene expression programming, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1725–1726, Atlanta, GA, USA, 2008, ACM.
- [303] ALBA, E. and CHICANO, F., Searching for liveness property violations in concurrent systems with aco, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1727–1734, Atlanta, GA, USA, 2008, ACM.
- [304] ALBA, E., CHICANO, F., FERREIRA, M., and GOMEZ-PULIDO, J., Finding deadlocks in large concurrent java programs using genetic algorithms, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1735–1742, Atlanta, GA, USA, 2008, ACM.
- [305] GAROUSI, V., Empirical analysis of a genetic algorithm-based stress test technique, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1743–1750, Atlanta, GA, USA, 2008, ACM.
- [306] GOLDSBY, H. J. and CHENG, B. H., Avida-mde: a digital evolution approach to generating models of adaptive software behavior, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1751–1758, Atlanta, GA, USA, 2008, ACM.
- [307] LAKHOTIA, K., HARMAN, M., and MCMINN, P., Handling dynamic data structures in search based testing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1759–1766, Atlanta, GA, USA, 2008, ACM.
- [308] WANG, Y., BAI, Z., ZHANG, M., et al., Fitness calculation approach for the switch-case construct in evolutionary testing, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1767–1774, Atlanta, GA, USA, 2008, ACM.

- [309] WHITE, D. R., CLARK, J., JACOB, J., and POULDING, S. M., Searching for resource-efficient programs: low-power pseudorandom number generators, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1775–1782, Atlanta, GA, USA, 2008, ACM.
- [310] RIBEIRO, J. C. B., ZENHA-RELA, M. A., and de Vega, F. F., Strongly-typed genetic programming and purity analysis: input domain reduction for evolutionary testing problems, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, pp. 1783–1784, Atlanta, GA, USA, 2008, ACM.
- [311] SIMONS, C. L. and PARMEE, I. C., Agent-based support for interactive search in conceptual software engineering design, in KEIJZER, M., ANTONIOL, G., CONGDON, C. B., et al., editors, GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation, pp. 1785–1786, Atlanta, GA, USA, 2008, ACM.