

Список литературы

- [1] A. M. Abdelbar, “[Is there a computational advantage to representing evaporation rate in ant colony optimization as a gaussian random variable?](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1–8. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [2] Y. Chen, L. Mazlack, and L. Lu, “[Learning fuzzy cognitive maps from data by ant colony optimization,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 9–16. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [3] B. Doerr, A. Hota, and T. Kötzing, “[Ants easily solve stochastic shortest path problems,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 17–24. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [4] J. Garcia-Nieto and E. Alba, “[Why six informants is optimal in pso,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 25–32. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [5] A. C. B. K. Vendramin, A. Munaretto, M. R. de Biase da Silva Delgado, and A. C. Viana, “[Cgrant: a swarm intelligence-based routing protocol for delay tolerant networks,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 33–40. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [6] N. Lourenço and F. B. Pereira, “[Dacco: a discrete ant colony algorithm to cluster geometry optimization,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa,

F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 41–48. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.

- [7] M. Medland and F. Otero, “[A study of different quality evaluation functions in the cant-miner\(pb\) classification algorithm](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 49–56. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [8] A. E. Munoz-Zavala and E. J. Hernandez-Ramos, “[Optimal cyclic replacement policy in mss maintenance via binomial-pso](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 57–64. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [9] G. S. Piperagkas, G. Georgoulas, K. E. Parsopoulos, C. D. Stylios, and A. C. Likas, “[Integrating particle swarm optimization with reinforcement learning in noisy problems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 65–72. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [10] E. Vellasques, R. Sabourin, and E. Granger, “[Gaussian mixture modeling for dynamic particle swarm optimization of recurrent problems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 73–80. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [11] B. Xue, M. Zhang, and W. N. Browne, “[Multi-objective particle swarm optimisation \(pso\) for feature selection](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 81–88. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [12] L. Cazenille, N. Bredeche, H. Hamann, and J. Stradner, “[Impact of neuron models and network structure on evolving modular robot neural network controllers](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano,

- M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 89–96. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [13] J. A. Doucette, P. Lichodziejewski, and M. I. Heywood, “[Hierarchical task decomposition through symbiosis in reinforcement learning](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 97–104. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [14] K. Hardey, E. Corapcioglu, M. Mattis, M. Goadrich, and M. Jadud, “[Exploring and evolving process-oriented control for real and virtual fire fighting robots](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 105–112. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [15] B. Inden, “[Open-ended coevolution and the emergence of complex irreducible functional units in iterated number sequence games](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 113–120. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [16] F. Jeanson and A. White, “[Evolving axonal delay neural networks for robot control](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 121–128. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [17] S. L. Lim and P. J. Bentley, “[How to be a successful app developer: lessons from the simulation of an app ecosystem](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 129–136. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [18] Y. Meng and H. Guo, “[Evolving network motifs based morphogenetic approach for self-organizing robotic swarms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero,

- N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 137–144. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [19] J. M. Moore and P. K. McKinley, “[Evolving flexible joint morphologies](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 145–152. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [20] M. Solomon, T. Soule, and R. B. Heckendorn, “[A comparison of a communication strategies in cooperative learning](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 153–160. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [21] I. Taney, T. Kuyucu, and K. Shimohara, “[On the cumulative effect of bloat and genetic transposition on the efficiency of incremental evolution of snake-like robot](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 161–168. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [22] J. Baumbach, T. Friedrich, T. Kötzing, A. Krohmer, J. Müller, and J. Pauling, “[Efficient algorithms for extracting biological key pathways with global constraints](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 169–176. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [23] D. Marco, C. Shankland, and D. Cairns, “[Evolving bio-pepa process algebra models using genetic programming](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 177–184. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [24] M. R. Mendoza, F. M. Lopes, and A. L. C. Bazzan, “[Reverse engineering of grns: an evolutionary approach based on the tsallis entropy](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti,

- J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 185–192. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [25] C. Pizzuti and S. Rombo, “[Experimental evaluation of topological-based fitness functions to detect complexes in ppi networks](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 193–200. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [26] J. S. Firoz, M. S. Rahman, and T. K. Saha, “[Bee algorithms for solving dna fragment assembly problem with noisy and noiseless data](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 201–208. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [27] N. Zaki, J. Berengueres, and D. Efimov, “[Prorank: a method for detecting protein complexes](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 209–216. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [28] M. Hausknecht, P. Khandelwal, R. Miikkulainen, and P. Stone, “[Hyperneat-ggp: a hyperneat-based atari general game player](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 217–224. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [29] G. S. Hornby and J. C. Bongard, “[Accelerating human-computer collaborative search through learning comparative and predictive user models](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 225–232. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [30] P. Machado and L. Pereira, “[Photogrowth: non-photorealistic renderings through ant paintings](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart,

- W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 233–240. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [31] P. A. Bosman and T. Alderliesten, “[Incremental gaussian model-building in multi-objective edas with an application to deformable image registration](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 241–248. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [32] A. E. Brownlee, J. A. McCall, and M. Pelikan, “[Influence of selection on structure learning in markov network edas: an empirical study](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 249–256. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [33] D. Iclanzan, “[Higher-order linkage learning in the ecga](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 265–272. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [34] M. Pelikan and M. W. Hauschild, “[Distance-based bias in model-directed optimization of additively decomposable problems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 273–280. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [35] S. Rojas-Galeano and N. Rodriguez, “[A memory efficient and continuous-valued compact eda for large scale problems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 281–288. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [36] D. Thierens and P. Bosman, “[Predetermined versus learned linkage models](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong,

- C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 289–296. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [37] D. V. Arnold and N. Hansen, “[A \(1+1\)-cma-es for constrained optimisation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 297–304. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [38] H.-G. Beyer and M. Hellwig, “[Mutation strength control by meta-es on the sharp ridge](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 305–312. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [39] B. Bischl, O. Mersmann, H. Trautmann, and M. Preuß, “[Algorithm selection based on exploratory landscape analysis and cost-sensitive learning](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 313–320. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [40] I. Loshchilov, M. Schoenauer, and M. Sebag, “[Self-adaptive surrogate-assisted covariance matrix adaptation evolution strategy](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 321–328. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [41] T. Schaul, “[Natural evolution strategies converge on sphere functions](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 329–336. ACM, Philadelphia, Pennsylvania, USA, 7–11 july, 2012.
- [42] I. Araya, L. Pérez, and M. C. Riff, “[Towards a population-based framework for improving stochastic local search algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel,

- G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 337–344. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [43] A. Boumaza and A. Brun, “[From neighbors to global neighbors in collaborative filtering: an evolutionary optimization approach](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 345–352. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [44] D. Chalupa, “[On the efficiency of an order-based representation in the clique covering problem](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 353–360. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [45] J. Choi, Y. Yoon, and B.-R. Moon, “[An efficient genetic algorithm for subgraph isomorphism](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 361–368. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [46] F. Daolio, S. Verel, G. Ochoa, and M. Tomassini, “[Local optima networks and the performance of iterated local search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 369–376. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [47] D. G. Macharet, A. A. Neto, V. Fiuza da Camara Neto, and M. M. Campos, “[An evolutionary approach for the dubins’ traveling salesman problem with neighborhoods](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 377–384. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [48] W. M. Herbawi and M. Weber, “[A genetic and insertion heuristic algorithm for solving the dynamic ridematching problem with time windows](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti,

- J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 385–392. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [49] B. Hu and G. Raidl, “[An evolutionary algorithm with solution archives and bounding extension for the generalized minimum spanning tree problem](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 393–400. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [50] A. Kattan and M. Arif, “[Pso based on surrogate modeling as meta-search to optimise evolutionary algorithms parameters](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 401–408. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [51] J. H. Moreno-Scott, J. C. Ortíz-Bayliss, H. Terashima-Marín, and S. E. Conant-Pablos, “[Challenging heuristics: evolving binary constraint satisfaction problems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 409–416. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [52] M. Nascimento, F. Toledo, and A. Carvalho, “[A hybrid heuristic for the k-medoids clustering problem](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 417–424. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [53] B. Song and V. Li, “[A hybridization between memetic algorithm and semidefinite relaxation for the max-cut problem](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 425–432. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [54] A. M. Sutton, J. Day, and F. Neumann, “[A parameterized runtime analysis of evolutionary algorithms for max-2-sat](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu,

- A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 433–440. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [55] Q. Zhang, H. Manier, and M.-A. Manier, “[A hybrid metaheuristic algorithm for flexible job-shop scheduling problems with transportation constraints](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 441–448. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [56] W. Abdou, C. Bloch, D. Charlet, and F. Spies, “[Adaptive multi-objective genetic algorithm using multi-pareto-ranking](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 449–456. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [57] K. Bringmann and T. Friedrich, “[Convergence of hypervolume-based archiving algorithms ii: competitiveness](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 457–464. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [58] D. Brockhoff, T. Wagner, and H. Trautmann, “[On the properties of the r2 indicator](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 465–472. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [59] M. Garza-Fabre, G. Toscano-Pulido, and E. Rodriguez-Tello, “[Locality-based multiobjectivization for the hp model of protein structure prediction](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 473–480. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [60] H. Ishibuchi, M. Yamane, and Y. Nojima, “[Effects of discrete objective functions with different granularities on the search behavior of emo algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*,

- T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 481–488. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [61] R. Nagy, M. A. Suci, and D. Dumitrescu, “[Lorenz equilibrium: equitability in non-cooperative games](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 489–496. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [62] D. H. Phan, J. Suzuki, and I. Hayashi, “[Leveraging indicator-based ensemble selection in evolutionary multiobjective optimization algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 497–504. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [63] C. A. R. Villalobos and C. A. C. Coello, “[A new multi-objective evolutionary algorithm based on a performance assessment indicator](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 505–512. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [64] R. Wang, R. Purshouse, and P. Fleming, “[Local preference-inspired co-evolutionary algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 513–520. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [65] J. E. Auerbach and J. C. Bongard, “[On the relationship between environmental and morphological complexity in evolved robots](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 521–528. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [66] J. Beal, H. Mostafa, A. Mozeika, B. Axelrod, A. Adler, G. Markiewicz, and K. Usbeck, “[A manifold operator representation for adaptive design](#),” in *GECCO ’12: Proceedings of the*

fourteenth international conference on Genetic and evolutionary computation conference, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 529–536. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.

- [67] S. Cussat-Blanc and J. Pollack, “[A cell-based developmental model to generate robot morphologies](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 537–544. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [68] J. Drchal and M. Snorek, “[Distance measures for hypergp with fitness sharing](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 545–552. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [69] J. D. Fernández, F. Vico, and R. Doursat, “[Complex and diverse morphologies can develop from a minimal genomic model](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 553–560. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [70] M. Joachimczak and B. Wróbel, “[Co-evolution of morphology and control of soft-bodied multicellular animats](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 561–568. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [71] D. Richards, N. Dunn, and M. Amos, “[An evo-devo approach to architectural design](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 569–576. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [72] H. Sayama, “[Morphologies of self-organizing swarms in 3d swarm chemistry](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation*

- conference, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 577–584. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [73] D. Coles, “[Efficient filters for the simulated evolution of small sorting networks](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 593–600. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [74] R. Collier and M. Wineberg, “[An empirical approach to the measurement of interchromosomal distances in the genetic algorithm](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 601–608. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [75] A. De Lucia, M. Di Penta, R. Oliveto, and A. Panichella, “[Estimating the evolution direction of populations to improve genetic algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 617–624. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [76] B. W. Goldman and D. R. Tauritz, “[Linkage tree genetic algorithms: variants and analysis](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 625–632. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [77] M. Hauschild, S. Bhatia, and M. Pelikan, “[Image segmentation using a genetic algorithm and hierarchical local search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 633–640. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [78] H. Lee and T.-L. Yu, “[Off-line building block identification: detecting building blocks directly from fitness without genetic algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule,

- A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 641–648. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [79] A. Moraglio and D. Sudholt, “[Runtime analysis of convex evolutionary search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 649–656. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [80] C. Rotaru and O. Brudaru, “[Dynamic segregative genetic algorithm for optimizing the variable ordering of robdds](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 657–664. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [81] B. Sarasola and E. Alba, “[How long should we run in dynamic optimization?](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 665–672. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [82] A. Simoes and E. Costa, “[Enhancing the virtual loser genetic algorithm for dynamic environments](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 673–680. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [83] S. Soares, C. Antunes, and R. Araújo, “[A genetic algorithm for designing neural network ensembles](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 681–688. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [84] D. Sudholt, “[Crossover speeds up building-block assembly](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti,

- J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 689–702. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [85] A. Atwater, M. I. Heywood, and N. Zincir-Heywood, “[Gp under streaming data constraints: a case for pareto archiving?](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 703–710. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [86] A. Bailey, M. Ventresca, and B. Ombuki-Berman, “[Automatic generation of graph models for complex networks by genetic programming,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 711–718. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [87] J. Bassett, U. Kamath, and K. De Jong, “[A new methodology for the gp theory toolbox,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 719–726. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [88] M. Castelli, L. Manzoni, and L. Vanneschi, “[Parameter tuning of evolutionary reactions systems,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 727–734. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [89] T. Cornforth and H. Lipson, “[Symbolic regression of multiple-time-scale dynamical systems,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 735–742. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [90] J. Fitzgerald and C. Ryan, “[Exploring boundaries: optimising individual class boundaries for binary classification problem,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu,

- A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 743–750. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [91] S. Harding, V. Graziano, J. Leitne, and J. Schmidhuber, “[Mt-cgp: mixed type cartesian genetic programming](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 751–758. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [92] R. Harper, “[Spatial co-evolution: quicker, fitter and less bloated](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 759–766. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [93] E. Hemberg, K. Veeramachaneni, J. McDermott, C. Berzan, and U.-M. O’Reilly, “[An investigation of local patterns for estimation of distribution genetic programming](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 767–774. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [94] M. R. Karim and C. Ryan, “[Sensitive ants are sensible ants](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 775–782. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [95] K. Krawiec, “[On relationships between semantic diversity, complexity and modularity of programming tasks](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 783–790. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [96] J. McDermott, D. R. White, S. Luke, L. Manzoni, M. Castelli, L. Vanneschi, W. Jaskowski, K. Krawiec, R. Harper, K. De Jong, and U.-M. O’Reilly, “[Genetic programming needs better benchmarks](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart,

- W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 791–798. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [97] F. Neumann, “[Computational complexity analysis of multi-objective genetic programming,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 799–806. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [98] D. N. Phong, N. X. Hoai, R. I. McKay, C. Siriteanu, N. Q. Uy, and N. Park, “[Evolving the best known approximation to the q function,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 807–814. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [99] L. Spector, K. Harrington, and T. Helmuth, “[Tag-based modularity in tree-based genetic programming,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 815–822. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [100] J. Safford, M. Nicolau, E. Hemberg, M. O’Neill, and A. Brabazon, “[Comparing methods for module identification in grammatical evolution,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 823–830. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [101] T. Weise, A. Devert, and K. Tang, “[A developmental solution to \(dynamic\) capacitated arc routing problems using genetic programming,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 831–838. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [102] T. Ebadi, M. Zhang, and W. Browne, “[Xcs-based versus ucs-based feature pattern classification system,](#)” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon,

- M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 839–846. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [103] M. A. Franco, N. Krasnogor, and J. Bacardit, “[Post-processing operators for decision lists](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 847–854. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [104] W. Fu, M. Johnston, and M. Zhang, “[Genetic programming for edge detection using blocks to extract features](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 855–862. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [105] M. Iqbal, W. N. Browne, and M. Zhang, “[Extracting and using building blocks of knowledge in learning classifier systems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 863–870. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [106] J. Kneissler, P. O. Stalpl, J. Drugowitsch, and M. V. Butz, “[Filtering sensory information with xcsf: improving learning robustness and control performance](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 871–878. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [107] J.-C. Levesque, A. Durand, C. Gagne, and R. Sabourin, “[Multi-objective evolutionary optimization for generating ensembles of classifiers in the roc space](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 879–886. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [108] S. Loscalzo, R. Wright, K. Acunto, and L. Yu, “[Sample aware embedded feature selection for reinforcement learning](#),” in *GECCO ’12: Proceedings of the fourteenth international conference*

- on *Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 887–894. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [109] S. Marzukhi, W. N. Browne, and M. Zhang, “[Two-cornered learning classifier systems for pattern generation and classification](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 895–902. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [110] H. Moriguchi and S. Honiden, “[Cma-tweann: efficient optimization of neural networks via self-adaptation and seamless augmentation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 903–910. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [111] P. O. Stalph and M. V. Butz, “[Guided evolution in xcsf](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 911–918. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [112] W. Tansey, E. Feasley, and R. Miikkulainen, “[Accelerating evolution via egalitarian social learning](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 919–926. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [113] R. Urbanowicz, A. Granizo-Mackenzie, and J. Moore, “[Instance-linked attribute tracking and feedback for michigan-style supervised learning classifier systems](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 927–934. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [114] D. Hennes, D. Bloembergen, M. Kaisers, K. Tuyls, and S. Parsons, “[Evolutionary advantage of foresight in markets](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on*

- Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 943–950. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [115] R. Landa, Y. Rojas, and G. Toscano-Pulido, “[An approach for estimating separability and its application on high dimensional optimization](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 951–958. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [116] C. L. Goues, W. Wemer, and S. Forrest, “[Representations and operators for improving evolutionary software repair](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 959–966. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [117] D. L. Ly, A. Saxena, and H. Lipson, “[Co-evolutionary predictors for kinematic pose inference from rgbd images](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 967–974. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [118] J. hui Zhong and J. Zhang, “[Sde: a stochastic coding differential evolution for global optimization](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 975–982. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [119] N. Chatzinikolaou and D. Robertson, “[The use of reputation as noise-resistant selection bias in a co-evolutionary multi-agent system](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 983–990. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.

- [120] A. K. Qin, F. Raimondo, F. Forbes, and Y. S. Ong, “[An improved cuda-based implementation of differential evolution on gpu](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 991–998. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [121] S. Shao, X. Liu, M. Zhou, J. Zhan, X. Liu, Y. Chu, and H. Chen, “[A gpu-based implementation of an enhanced gep algorithm](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 999–1006. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [122] M. Yagoubi and M. Schoenauer, “[Asynchronous master/slave moeas and heterogeneous evaluation costs](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1007–1014. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [123] A. Agogino, C. HolmesParker, and K. Tumer, “[Evolving distributed resource sharing for cubosat constellations](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1015–1022. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [124] A. M. Ahmad, G. M. Khan, S. A. Mahmud, and J. F. Miller, “[Breast cancer detection using cartesian genetic programming evolved artificial neural networks](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1031–1038. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [125] B. Alexander, S. Thiel, and J. Peacock, “[Application of evolutionary methods to 3d geoscience modelling](#),” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1039–1046. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.

- [126] M. Beck, M. de Paly, J. Hecht-Méndez, P. Bayer, and A. Zell, “[Evaluation of the performance of evolutionary algorithms for optimization of low-enthalpy geothermal heating plants,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1047–1054. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [127] A. Canelas, R. Neves, and N. Horta, “[A new sax-ga methodology applied to investment strategies optimization,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1055–1062. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [128] C. Chou, S. Kimbrough, J. Sullivan-Fedock, C. J. Woodard, and F. H. Murphy, “[Using interactive evolutionary computation \(iec\) with validated surrogate fitness functions for redistricting,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1071–1078. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [129] A. W. Churchill, P. Husbands, and A. Philippides, “[Metaheuristic approaches to tool selection optimisation,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1079–1086. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [130] D. Hernández, G. Olague, E. Clemente, and L. Dozal, “[Evolving a conspicuous point detector based on an artificial dorsal stream: Slam system,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1087–1094. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [131] M. Holena, D. Linke, and L. Bajer, “[Surrogate modeling in the evolutionary optimization of catalytic materials,](#)” in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel,

- G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1095–1102. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [132] T. Kowaliw and W. Banzhaf, “[The unconstrained automated generation of cell image features for medical diagnosis](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1103–1110. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [133] J. S. Krupa, S. Chatterjee, E. Eldridge, D. M. Rizzo, and M. J. Eppstein, “[Evolutionary feature selection for classification: a plug-in hybrid vehicle adoption application](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1111–1118. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [134] R. Martins, N. Lourenço, and N. Horta, “[Laygen ii: automatic analog ics layout generator based on a template approach](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1127–1134. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [135] D. E. McCarney, S. Houghten, and B. J. Ross, “[Evolutionary approaches to the generation of optimal error correcting codes](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1135–1142. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [136] P. Nebel, G. Richter, and K. Weicker, “[Multi-container loading with non-convex 3d shapes using a ga/ts hybrid](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1143–1150. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [137] O. P. Vilela Neto, A. S. Pimentel, M. A. C. Pacheco, and Ênio Frota da Silveira, “[Evolutionary algorithms applied to elucidate ionic water cluster structure formation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong,

- C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1151–1158. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [138] R. Santana, L. Bonnet, J. Legény, and A. Lécuyer, “[Introducing the use of model-based evolutionary algorithms for eeg-based motor imagery classification](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1159–1166. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [139] R. E. Smith and M. S. Hussain, “[Hybrid metaheuristic particle filters for stochastic volatility estimation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1167–1174. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [140] F. Stonedahl and S. Stonedahl, “[Darwinian rivers: evolving stream topographies to match hyporheic residence time distributions](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1175–1182. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [141] R. tian Xu and J. Zhang, “[Estimating markov switching model using differential evolution algorithm in prospective infectious disease outbreak detection](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1183–1190. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [142] B. Yang, L. Guang, T. Säntti, and J. Plosila, “[t\(k\)-sa: accelerated simulated annealing algorithm for application mapping on networks-on-chip](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1191–1198. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [143] M. de Oliveira Barros, “[An analysis of the effects of composite objectives in multiobjective software module clustering](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu,

- A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1205–1212. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [144] J. Ferrer, P. M. Kruse, F. Chicano, and E. Alba, “[Evolutionary algorithm for prioritized pairwise test data generation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1213–1220. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [145] L. L. Minku, D. Sudholt, and X. Yao, “[Evolutionary algorithms for the project scheduling problem: runtime analysis and improved design](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1221–1228. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [146] J. L. Wilkerson, D. R. Tauritz, and J. M. Bridges, “[Multi-objective coevolutionary automated software correction](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1229–1236. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [147] R. C. Barros, M. P. Basgalupp, A. C. de Carvalho, and A. A. Freitas, “[A hyper-heuristic evolutionary algorithm for automatically designing decision-tree algorithms](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1237–1244. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [148] J. Branke and J. A. Elomari, “[Meta-optimization for parameter tuning with a flexible computing budget](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1245–1252. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [149] C. Candan, A. Goeffon, F. Lardeux, and F. Saubion, “[A dynamic island model for adaptive operator selection](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta,

- C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1253–1260. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [150] H. Derbel and B. Derbel, “[On neighborhood tree search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1261–1268. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [151] J. C. Ortiz-Bayliss, H. Terashima-Marín, S. E. Conant-Pablos, E. Özcan, and A. J. Parkes, “[Improving the performance of vector hyper-heuristics through local search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1269–1276. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [152] N. Veerapen, J. Maturana, and F. Saubion, “[An exploration-exploitation compromise-based adaptive operator selection for local search](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1277–1284. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [153] W. jie Yu and J. Zhang, “[Adaptive differential evolution with optimization state estimation](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1285–1292. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [154] Y. Akimoto, “[Analysis of a natural gradient algorithm on monotonic convex-quadratic-composite functions](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1293–1300. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [155] F. Chicano, D. Whitley, and E. Alba, “[Exact computation of the expectation curves for uniform crossover](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon,

- M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1301–1308. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [156] T. Jansen and C. Zarges, “[Fixed budget computations: a different perspective on run time analysis](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1325–1332. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [157] T. Koetzing, A. M. Sutton, F. Neumann, and U.-M. O’Reilly, “[The max problem revisited: the importance of mutation in genetic programming](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1333–1340. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [158] P. S. Oliveto and C. Witt, “[On the analysis of the simple genetic algorithm](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1341–1348. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [159] J. E. Rowe and D. Sudholt, “[The choice of the offspring population size in the \$\(1, \lambda\)\$ ea](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1349–1356. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [160] D. Whitley and W. Chen, “[Constant time steepest descent local search with lookahead for nk-landscapes and max-ksat](#),” in *GECCO ’12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano, M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., pp. 1357–1364. ACM, Philadelphia, Pennsylvania, USA, 7-11 july, 2012.
- [161] T. Soule, A. Auger, J. Moore, D. Pelta, C. Solnon, M. Preuss, A. Dorin, Y.-S. Ong, C. Blum, D. L. Silva, F. Neumann, T. Yu, A. Ekart, W. Browne, T. Kovacs, M.-L. Wong, C. Pizzuti, J. Rowe, T. Friedrich, G. Squillero, N. Bredeche, S. Smith, A. Motsinger-Rei, J. Lozano,

M. Pelikan, S. Meyer-Nienber, C. Igel, G. Hornby, R. Doursat, S. Gustafson, G. Olague, S. Yoo, J. Clark, G. Ochoa, G. Pappa, F. Lobo, D. Tauritz, J. Branke, and K. Deb, eds., *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*. Philadelphia, Pennsylvania, USA, 7-11 july, 2012.