

Список литературы

- [1] S. F. Adra, I. Griffin, and P. J. Fleming, "Hybrid multiobjective genetic algorithm with a new adaptive local search process," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1009–1010. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1009.pdf>
- [2] M. Affenzeller, S. Wagner, and S. Winkler, "Goal-oriented preservation of essential genetic information by offspring selection," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1595–1596. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1595.pdf>
- [3] A. Agogino, K. Tumer, and R. Miikkulainen, "Efficient credit assignment through evaluation function decomposition," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1309–1316. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1309.pdf>
- [4] J. S. Aguilar-Ruiz and F. Divina, "Ga-based approach to discover meaningful biclusters," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 473–474. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p473.pdf>
- [5] C. W. Ahn, S. Oh, and R. S. Ramakrishna, "On the practical genetic algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1583–1584. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1583.pdf>
- [6] B. Ahrens, "Genetic algorithm optimization of superresolution parameters," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2083–2088. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2083.pdf>
- [7] E. Alba, H. Alfonso, and B. Dorronsoro, "Advanced models of cellular genetic algorithms evaluated on sat," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1123–1130. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1123.pdf>
- [8] F. Alim and K. Ivanov, "Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem," in *GECCO 2005: Proceedings of the 2005 conference on*

Genetic and evolutionary computation, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2191–2192. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2191.pdf>

- [9] H. B. Amor and A. Rettinger, “Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1531–1538. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1531.pdf>
- [10] S. Ando and S. Kobayashi, “Fitness-based neighbor selection for multimodal function optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1573–1574. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1573.pdf>
- [11] S. Ando, J. Sakuma, and S. Kobayashi, “Adaptive isolation model using data clustering for multimodal function optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1417–1424. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1417.pdf>
- [12] J. Antolk and W. H. Hsu, “Evolutionary tree genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1789–1790. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1789.pdf>
- [13] D. Ashlock and E.-Y. Kim, “The impact of cellular representation on finite state agents for prisoner’s dilemma,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 59–66. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p59.pdf>
- [14] A. Auger, M. Schoenauer, and O. Teytaud, “Local and global order 3/2 convergence of a surrogate evolutionary algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 857–864. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p857.pdf>
- [15] S. Auwatanamongkol, “Inexact pattern matching using genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis,

- M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1567–1568. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1567.pdf>
- [16] J. Bacardit, “Analysis of the initialization stage of a pittsburgh approach learning classifier system,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1843–1850. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1843.pdf>
- [17] H. J. Barbosa and A. C. Lemonge, “A genetic algorithm encoding for a class of cardinality constraints,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1193–1200. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1193.pdf>
- [18] J. K. Bassett, M. A. Potter, and K. A. De Jong, “Applying price’s equation to survival selection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1371–1378. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1371.pdf>
- [19] R. L. Becerra and C. A. Coello Coello, “Optimization with constraints using a cultured differential evolution approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 27–34. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p27.pdf>
- [20] R. Bello, A. Nowe, Y. Caballero, Y. Gómez, and P. Vrancx, “A model based on ant colony system and rough set theory to feature selection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 275–276. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p275.pdf>
- [21] J. Berntsson and M. Tang, “Adaptive sizing of populations and number of islands in distributed genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1575–1576. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1575.pdf>
- [22] —, “Dynamic optimization of migration topology in internet-based distributed genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1579–1580. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1579.pdf>

- [23] S. Besetti and T. Soule, “Function choice, resiliency and growth in genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1771–1772. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1771.pdf>
- [24] H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, 25-29 June 2005. [Online]. Available: <http://portal.acm.org/citation.cfm?id=1068009&jmp=cit&coll=GUIDE&dl=GUIDE&CFID=48779769&CFTOKEN=55479664#supp>
- [25] J. C. Bongard and H. Lipson, “‘managed challenge’ alleviates disengagement in co-evolutionary system identification,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 531–538. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p531.pdf>
- [26] Y. Borenstein and R. Poli, “Information landscapes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1515–1522. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1515.pdf>
- [27] —, “Information landscapes and problem hardness,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1425–1431. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1425.pdf>
- [28] I. Borgulya, “A hybrid evolutionary algorithm for the p-median problem,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 649–650. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p649.pdf>
- [29] P. A. N. Bosman and E. D. de Jong, “Exploiting gradient information in numerical multi-objective evolutionary optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 755–762. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p755.pdf>
- [30] A. Brabazon, A. Silva, T. F. de Sousa, M. O’Neill, R. Matthews, and E. Costa, “Agent-based modelling of product invention,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong,

- H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 129–136. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p129.pdf>
- [31] L. Bradstreet, L. Barone, and L. While, “Map-labelling with a multi-objective evolutionary algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1937–1944. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1937.pdf>
- [32] J. Branke, E. Salihoğlu, and İma Uyar, “Towards an analysis of dynamic environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1433–1440. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1433.pdf>
- [33] R. Breukelaar and T. Bäck, “Using a genetic algorithm to evolve behavior in multi dimensional cellular automata: emergence of behavior,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 107–114. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p107.pdf>
- [34] L. C. Briand, Y. Labiche, and M. Shousha, “Stress testing real-time systems with genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1021–1028. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1021.pdf>
- [35] W. Browne and D. Scott, “An abstraction algorithm for genetics-based reinforcement learning,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1875–1882. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1875.pdf>
- [36] A. Bucci and J. B. Pollack, “On identifying global optima in cooperative coevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 539–544. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p539.pdf>
- [37] J. Budynek, E. Bonabeau, and B. Shargel, “Evolving computer intrusion scripts for vulnerability assessment and log analysis,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1905–1912. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1905.pdf>

- [38] L. T. Bui, H. A. Abbass, and D. Essam, "Fitness inheritance for noisy evolutionary multi-objective optimization," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 779–785. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p779.pdf>
- [39] L. T. Bui, J. Branke, and H. A. Abbass, "Diversity as a selection pressure in dynamic environments," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1557–1558. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1557.pdf>
- [40] T. N. Bui and M. Colpan, "Solving geometric tsp with ants," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 271–272. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p271.pdf>
- [41] T. N. Bui and G. Sundarraj, "An efficient genetic algorithm for predicting protein tertiary structures in the 2d hp model," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 385–392. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p385.pdf>
- [42] M. V. Butz, "Kernel-based, ellipsoidal conditions in the real-valued xcs classifier system," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1835–1842. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1835.pdf>
- [43] M. V. Butz, M. Pelikan, X. Llorca, and D. E. Goldberg, "Extracted global structure makes local building block processing effective in xcs," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 655–662. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p655.pdf>
- [44] D. E. Cairns, G. J. Cameron, and T. J. Wess, "Evolving an improved axial structure for fibrillar collagen," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 471–472. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p471.pdf>
- [45] G. Canfora, M. D. Penta, R. Esposito, and M. L. Villani, "An approach for qos-aware service composition based on genetic algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly,

- D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1069–1075. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1069.pdf>
- [46] E. Carter, S. Ebdon, and C. Neal-Sturgess, “Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2113–2120. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2113.pdf>
- [47] F. A. Castillo and C. M. Villa, “Symbolic regression in multicollinearity problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2207–2208. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2207.pdf>
- [48] R. Cavill, S. Smith, and A. Tyrrell, “Multi-chromosomal genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1753–1759. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1753.pdf>
- [49] R. R. Cazangi, F. J. Von Zuben, and M. F. Figueiredo, “Autonomous navigation system applied to collective robotics with ant-inspired communication,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 121–128. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p121.pdf>
- [50] D. Che, Y. Song, and K. Rasheed, “Mdga: motif discovery using a genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 447–452. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p447.pdf>
- [51] J.-H. Chen, S.-Y. Ho, and D. E. Goldberg, “Quality-time analysis of multi-objective evolutionary algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1455–1462. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1455.pdf>
- [52] S. Chen and G. Pitt, “Isolating the benefits of respect,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta,

- K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1601–1602. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1601.pdf>
- [53] D. M. Cherba, W. Punch, P. Duxbury, S. Billinge, and P. Juhas, “Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1565–1566. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1565.pdf>
- [54] S.-S. Choi, K. Jung, and J. H. Kim, “Phase transition in a random nk landscape model,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1241–1248. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1241.pdf>
- [55] Y.-S. Choi, B.-R. Moon, and S. Y. Seo, “Genetic fuzzy discretization with adaptive intervals for classification problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2037–2043. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2037.pdf>
- [56] G. Cochenour, J. Simon, S. Das, A. Pahwa, and S. Nag, “A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2127–2132. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2127.pdf>
- [57] M. Collins, “Finding needles in haystacks is harder with neutrality,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1613–1618. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1613.pdf>
- [58] L. Cong, Y. Sha, L. Jiao, and F. Liu, “Directional self-learning of genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1569–1570. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1569.pdf>
- [59] Z. Cui and J. Zeng, “A modified particle swarm optimization predicted by velocity,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis,

- M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 277–278. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p277.pdf>
- [60] D. S. Das and M. G. Romy, “Introducing a watermarking with a multi-objective genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2219–2220. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2219.pdf>
- [61] K. P. Dahal, S. J. Galloway, G. M. Burt, J. R. McDonald, and I. Hopkins, “A case study of process facility optimization using discrete event simulation and genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2197–2198. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2197.pdf>
- [62] J. M. Daida, “Towards identifying populations that increase the likelihood of success in genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1627–1634. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1627.pdf>
- [63] J. M. Daida, M. E. Samples, and M. J. Byom, “Probing for limits to building block mixing with a tunably-difficult problem for genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1713–1720. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1713.pdf>
- [64] H. H. Dam, H. A. Abbass, and C. Lokan, “Dxcs: an xcs system for distributed data mining,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1883–1890. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1883.pdf>
- [65] M. Daoud and N. Kharm, “Gats 1.0: a novel ga-based scheduling algorithm for task scheduling on heterogeneous processor nets,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2209–2210. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2209.pdf>
- [66] S. Das, A. Konar, and U. K. Chakraborty, “An efficient evolutionary algorithm applied to the design of two-dimensional iir filters,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson,

- and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2157–2163. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2157.pdf>
- [67] —, “Improving particle swarm optimization with differentially perturbed velocity,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 177–184. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p177.pdf>
- [68] —, “Two improved differential evolution schemes for faster global search,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 991–998. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p991.pdf>
- [69] R. O. Day, A. S. Nunez, and G. B. Lamont, “Moea design of robust digital symbol sets,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2213–2214. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2213.pdf>
- [70] F. O. de Franca, F. J. Von Zuben, and L. N. de Castro, “An artificial immune network for multimodal function optimization on dynamic environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 289–296. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p289.pdf>
- [71] E. de Jong, “The maxsolve algorithm for coevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 483–489. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p483.pdf>
- [72] E. D. de Jong, R. A. Watson, and D. Thierens, “On the complexity of hierarchical problem solving,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1201–1208. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1201.pdf>
- [73] U. C. de Silva and J. Suzuki, “On the stationary distribution of gas with fixed crossover probability,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1147–1151. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1147.pdf>

- [74] A. Defaweux, T. Lenaerts, J. van Hemert, and J. Parent, "Transition models as an incremental approach for problem solving in evolutionary algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 599–606. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p599.pdf>
- [75] I. Dempsey, M. O'Neill, and A. Brabazon, "Meta-grammar constant creation with grammatical evolution by grammatical evolution," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1665–1671. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1665.pdf>
- [76] K. Derderian, R. M. Hierons, M. Harman, and Q. Guo, "Generating feasible input sequences for extended finite state machines (efsms) using genetic algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1081–1082. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1081.pdf>
- [77] P. A. Diaz-Gomez and D. F. Hougen, "Analysis and mathematical justification of a fitness function used in an intrusion detection system," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1591–1592. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1591.pdf>
- [78] L. Ding and J. Yu, "Some theoretical results about the computation time of evolutionary algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1409–1415. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1409.pdf>
- [79] K. L. Downing, "The predictive basis of situated and embodied artificial intelligence," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 43–50. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p43.pdf>
- [80] S. Droste, "Not all linear functions are equally difficult for the compact genetic algorithm," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 679–686. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p679.pdf>

- [81] J. Drugowitsch and A. M. Barry, "Xcs with eligibility traces," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1851–1858. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1851.pdf>
- [82] A. Duarte, S. Angel Sánchez, F. Fernández, and R. Cabido, "A low-level hybridization between memetic algorithm and vns for the max-cut problem," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 999–1006. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p999.pdf>
- [83] D. V. Duong and J. Grefenstette, "The emulation of social institutions as a method of coevolution," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 555–556. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p555.pdf>
- [84] I. Ecmis, E. Bonabeau, and T. Ashburn, "Interactive estimation of agent-based financial markets models: modularity and learning," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1897–1904. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1897.pdf>
- [85] A. E. Eiben, M. C. Schut, and T. Toma, "Comparing multicast and newscast communication in evolving agent societies," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 75–81. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p75.pdf>
- [86] M. El-Abd and M. Kamel, "Factors governing the behavior of multiple cooperating swarms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 269–270. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p269.pdf>
- [87] P. Fenton and P. Walsh, "A comparison of messy ga and permutation based ga for job shop scheduling," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1593–1594. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1593.pdf>
- [88] T. A. E. Ferreira, G. C. Vasconcelos, and P. J. L. Adeodato, "A new evolutionary method for time series forecasting," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and*

- evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2221–2222. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2221.pdf>
- [89] E. Ferretti and S. Esquivel, “Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1587–1588. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1587.pdf>
- [90] S. G. Ficici, “Monotonic solution concepts in coevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 499–506. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p499.pdf>
- [91] H. Firpi, E. Goodman, and J. Echauz, “Epileptic seizure detection by means of genetically programmed artificial features,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 461–466. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p461.pdf>
- [92] M. Fleischer, “Scale invariant pareto optimality: a meta-formalism for characterizing and modeling cooperativity in evolutionary systems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 233–240. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p233.pdf>
- [93] W. K. Foong, H. R. Maier, and A. R. Simpson, “Ant colony optimization for power plant maintenance scheduling optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 249–256. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p249.pdf>
- [94] N. Foreman and M. Evett, “Preventing overfitting in gp with canary functions,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1779–1780. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1779.pdf>
- [95] P. Funes and E. Pujals, “Intransitivity revisited coevolutionary dynamics of numbers games,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca,

- S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 515–521. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p515.pdf>
- [96] J. C. Galeano, A. Veloza-Suan, and F. A. Gonzalez, “A comparative analysis of artificial immune network models,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 361–368. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p361.pdf>
- [97] I. Garibay, A. S. Wu, and O. Garibay, “On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1177–1184. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1177.pdf>
- [98] D. Garrett, J. Vannucci, R. Silva, D. Dasgupta, and J. Simien, “Genetic algorithms for the sailor assignment problem,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1921–1928. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1921.pdf>
- [99] Z. W. Geem, K. S. Lee, and C.-L. Tseng, “Harmony search for structural design,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 651–652. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p651.pdf>
- [100] S. Gelly, O. Teytaud, N. Bredeche, and M. Schoenauer, “A statistical learning theory approach of bloat,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1783–1784. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1783.pdf>
- [101] M. Giacobini, M. Tomassini, and A. Tettamanzi, “Takeover time curves in random and small-world structured populations,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1333–1340. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1333.pdf>
- [102] R. Giraud and J. S. Aguilar-Ruiz, “Feature influence for evolutionary learning,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1139–1145. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1139.pdf>

- [103] F. J. Gomez and J. Schmidhuber, "Co-evolving recurrent neurons learn deep memory pomdps," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 491–498. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p491.pdf>
- [104] M. Gong, L. Jiao, H. Du, R. Shang, and B. Lu, "Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 373–374. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p373.pdf>
- [105] M. Gong, L. Wang, L. Jiao, and H. Du, "An artificial immune system algorithm for cdma multiuser detection over multi-path channels," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2105–2111. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2105.pdf>
- [106] Y. Gong, M. Nakamura, and S. Tamaki, "Parallel genetic algorithms on line topology of heterogeneous computing resources," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1447–1454. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1447.pdf>
- [107] F. A. Gonzalez, J. C. Galeano, D. A. Rojas, and A. Veloza-Suan, "Discriminating and visualizing anomalies using negative selection and self-organizing maps," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 297–304. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p297.pdf>
- [108] T. G. W. Gordon and P. J. Bentley, "Bias and scalability in evolutionary development," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 83–90. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p83.pdf>
- [109] L. Graham, H. Masum, and F. Oppacher, "Statistical analysis of heuristics for evolving sorting networks," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1265–1270. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1265.pdf>

- [110] U. Grasmann and R. Miikkulainen, “Effective image compression using evolved wavelets,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1961–1968. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1961.pdf>
- [111] W. A. Greene, “Schema disruption in tree-structured chromosomes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1401–1408. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1401.pdf>
- [112] C. D. Grosso, G. Antoniol, M. D. Penta, P. Galinier, and E. Merlo, “Improving network applications security: a new heuristic to generate stress testing data,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1037–1043. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1037.pdf>
- [113] C. Gunia, “On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 571–578. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p571.pdf>
- [114] Z. Guo, H. K. Han, and J. C. Tay, “Sufficiency verification of hiv-1 pathogenesis based on multi-agent simulation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 305–312. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p305.pdf>
- [115] N. Guofang, L. Minqiang, and K. Jisong, “Multi-level genetic algorithm (mlga) for the construction of clock binary tree,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1441–1445. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1441.pdf>
- [116] J. A. M. H., “Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1559–1560. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1559.pdf>
- [117] J. Haas, M. Peysakhov, and S. Mancoridis, “Ga-based parameter tuning for multi-agent systems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary*

- computation, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1085–1086. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1085.pdf>
- [118] J. Han and B. Bhanu, “Hierarchical multi-sensor image registration using evolutionary computation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2045–2052. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2045.pdf>
- [119] X. Hang and H. Dai, “Applying both positive and negative selection to supervised learning for anomaly detection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 345–352. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p345.pdf>
- [120] M. Harman, S. Swift, and K. Mahdavi, “An empirical study of the robustness of two module clustering fitness functions,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1029–1036. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1029.pdf>
- [121] V. Hartmann, “Evolving agent swarms for clustering and sorting,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 217–224. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p217.pdf>
- [122] M. Hasenjäger, B. Sendhoff, T. Sonoda, and T. Arima, “Three dimensional evolutionary aerodynamic design optimization with cma-es,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2173–2180. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2173.pdf>
- [123] G. Hernandez, K. Wilder, F. Nino, and J. Garcia, “Towards a self-stopping evolutionary algorithm using coupling from the past,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 615–620. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p615.pdf>
- [124] S. L. Hijazi, B. Natarajan, and S. Das, “An ant colony algorithm for multi-user detection in wireless communication systems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong,

- H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2121–2126. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2121.pdf>
- [125] T. Hiroyasu, M. Miki, S. Nakayama, and Y. Hanada, “Multi-objective optimization of diesel engine emissions and fuel economy using spea2+,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2195–2196. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2195.pdf>
- [126] P. Y. Ho and K. Shimizu, “Simple addition of ranking method for constrained optimization in evolutionary algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 889–896. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p889.pdf>
- [127] T. Hohm and D. Hoffmann, “A multi-objective evolutionary approach to peptide structure redesign and stabilization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 423–429. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p423.pdf>
- [128] Y. Hong, Q. Ren, and J. Zeng, “Genetic drift in univariate marginal distribution algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 745–746. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p745.pdf>
- [129] J. Horn, “Shape nesting by coevolving species,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 557–558. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p557.pdf>
- [130] G. S. Hornby, “Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1729–1736. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1729.pdf>
- [131] C. hsiung Chan, S.-A. Lee, C.-Y. Kao, and H.-K. Tsai, “Improving eax with restricted 2-opt,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1471–1476. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1471.pdf>

- [132] J. Hu, X. Zhong, and E. D. Goodman, "Open-ended robust design of analog filters using genetic programming," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1619–1626. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1619.pdf>
- [133] Z. hua Yang, J. cheng Fang, and Z. qiang Qi, "Flight midcourse guidance control based on genetic algorithm," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1501–1506. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1501.pdf>
- [134] C.-F. Huang, S. Bieniawski, D. H. Wolpert, and C. E. M. Strauss, "A comparative study of probability collectives based multi-agent systems and genetic algorithms," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 751–752. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p751.pdf>
- [135] C.-F. Huang and L. M. Rocha, "Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 545–552. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p545.pdf>
- [136] R. Hunt, G. S. Hornby, and J. D. Lohn, "Toward evolved flight," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 957–964. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p957.pdf>
- [137] M. T. Iglesias, B. Naudts, A. Verschoren, and C. Vidal, "Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1303–1308. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1303.pdf>
- [138] H. Ishibuchi and K. Narukawa, "Comparison of evolutionary multiobjective optimization with reference solution-based single-objective approach," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 787–794. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p787.pdf>

- [139] H. Ishibuchi, K. Narukawa, and Y. Nojima, “An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 817–824. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p817.pdf>
- [140] J. Jagerskoper and C. Witt, “Rigorous runtime analysis of a $(\sqrt{2}+1)$ es for the sphere function,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 849–856. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p849.pdf>
- [141] D. Jackson, “Dormant program nodes and the efficiency of genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1745–1751. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1745.pdf>
- [142] —, “Parsing and translation of expressions by genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1681–1688. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1681.pdf>
- [143] C. Z. Janikow and C. J. Mann, “Cgp visits the santa fe trail: effects of heuristics on gp,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1697–1704. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1697.pdf>
- [144] T. Jansen and U. Schellbach, “Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 841–848. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p841.pdf>
- [145] Z. Ji and D. Dasgupta, “Estimating the detector coverage in a negative selection algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 281–288. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p281.pdf>
- [146] M.-H. Jin, C.-Y. Kao, Y.-C. Huang, D. F. Hsu, R.-G. Lee, and C.-K. Lee, “Compact genetic algorithm for active interval scheduling in hierarchical sensor networks,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer,

- U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2205–2206. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2205.pdf>
- [147] B. A. Julstrom, “The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 585–590. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p585.pdf>
- [148] —, “Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 607–614. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p607.pdf>
- [149] C. Kavka, P. Roggero, and M. Schoenauer, “Evolution of voronoi based fuzzy recurrent controllers,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1385–1392. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1385.pdf>
- [150] M. Keijzer, M. Baptist, V. Babovic, and J. R. Uthurburu, “Determining equations for vegetation induced resistance using genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1999–2006. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1999.pdf>
- [151] J. Kennedy, “Dynamic-probabilistic particle swarms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 201–207. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p201.pdf>
- [152] D. Keymeulen, W. Fink, M. I. Ferguson, C. Peay, B. Oks, R. Terrile, and K. Yee, “Evolutionary computation applied to the tuning of mems gyroscopes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 927–932. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p927.pdf>
- [153] R. Kicinger, T. Arciszewski, and K. De Jong, “Parameterized versus generative representations in structural design: an empirical comparison,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta,

- K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2007–2014. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2007.pdf>
- [154] J.-H. Kim, S.-S. Choi, and B.-R. Moon, “Normalization for neural network in genetic search,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1581–1582. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1581.pdf>
- [155] Y.-H. Kim and B.-R. Moon, “New topologies for genetic search space,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1393–1399. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1393.pdf>
- [156] S. Kimura and K. Matsumura, “Genetic algorithms using low-discrepancy sequences,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1341–1346. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1341.pdf>
- [157] H. Knidel, L. N. de Castro, and F. J. Von Zuben, “Rabnet: a real-valued antibody network for data clustering,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 371–372. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p371.pdf>
- [158] P. Koduru, S. Das, S. Welch, J. L. Roe, and Z. P. Lopez-Dee, “A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 393–399. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p393.pdf>
- [159] A. Konak and A. E. Smith, “Designing resilient networks using a hybrid genetic algorithm approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1279–1285. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1279.pdf>
- [160] J. R. Koza, S. H. Al-Sakran, and L. W. Jones, “Automated re-invention of six patented optical lens systems using genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan,

- G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1953–1960. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1953.pdf>
- [161] O. Kramer, C.-K. Ting, and H. K. Büning, “A mutation operator for evolution strategies to handle constrained problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 917–918. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p917.pdf>
- [162] M. E. Kurz and S. Canterbury, “Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 803–809. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p803.pdf>
- [163] Y.-K. Kwon, S.-S. Choi, and B.-R. Moon, “Stock prediction based on financial correlation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2061–2066. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2061.pdf>
- [164] Y.-K. Kwon and B.-R. Moon, “Nonlinear feature extraction using a neuro genetic hybrid,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2089–2096. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2089.pdf>
- [165] E.-W. Lameijer, A. IJzerman, and J. Kok, “The molecule evaluator: an interactive evolutionary algorithm for designing drug molecules,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1969–1976. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1969.pdf>
- [166] F. Lammermann and S. Wappler, “Benefits of software measures for evolutionary white-box testing,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1083–1084. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1083.pdf>
- [167] S. Landau, O. Sigaud, and M. Schoenauer, “Atnosferes revisited,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1867–1874. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1867.pdf>

- [168] P. L. Lanzi, D. Loiacono, S. W. Wilson, and D. E. Goldberg, “Extending xcsf beyond linear approximation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1827–1834. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1827.pdf>
- [169] —, “Xcs with computed prediction in multistep environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1859–1866. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1859.pdf>
- [170] C. W. G. Lasarczyk and W. Banzhaf, “Total synthesis of algorithmic chemistries,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1635–1640. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1635.pdf>
- [171] A. León-Barranco, S. E. Barajas, and C. A. Reyes, “Argen + arepo: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1597–1598. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1597.pdf>
- [172] G. Lee and V. Bulitko, “Gamm: genetic algorithms with meta-models for vision,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2029–2036. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2029.pdf>
- [173] S. Legg and M. Hutter, “Fitness uniform deletion: a simple way to preserve diversity,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1271–1278. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1271.pdf>
- [174] K. A. Lehmann and M. Kaufmann, “Evolutionary algorithms for the self-organized evolution of networks,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 563–570. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p563.pdf>
- [175] M. Li, S. Azarm, and V. Aute, “A multi-objective genetic algorithm for robust design optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary*

- computation, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 771–778. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p771.pdf>
- [176] X. Li, “Efficient differential evolution using speciation for multimodal function optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 873–880. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p873.pdf>
- [177] H.-L. Liang, C. Lee, and J.-S. Wu, “Multiplex pcr primer design for gene family using genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 67–74. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p67.pdf>
- [178] C. Lim and E. Sim, “Production planning in manufacturing/remanufacturing environment using genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2217–2218. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2217.pdf>
- [179] C. F. Lima, K. Sastry, D. E. Goldberg, and F. G. Lobo, “Combining competent crossover and mutation operators: a probabilistic model building approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 735–742. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p735.pdf>
- [180] F.-M. Lin, H.-D. Huang, H.-Y. Huang, and J.-T. Horng, “Primer design for multiplex pcr using a genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 475–476. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p475.pdf>
- [181] B.-F. Liu, H.-M. Chen, J.-H. Chen, S.-F. Hwang, and S.-Y. Ho, “Meswarm: memetic particle swarm optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 267–268. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p267.pdf>
- [182] J. Liu and J. Lampinen, “A differential evolution based incremental training method for rbf networks,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson,

- X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 881–888. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p881.pdf>
- [183] X. Llorca, K. Sastry, and D. E. Goldberg, “The compact classifier system: motivation, analysis, and first results,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1993–1994. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>
- [184] X. Llorca, K. Sastry, D. E. Goldberg, A. Gupta, and L. Lakshmi, “Combating user fatigue in igas: partial ordering, support vector machines, and synthetic fitness,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1363–1370. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1363.pdf>
- [185] M. Looks, B. Goertzel, and C. Pennachin, “Learning computer programs with the bayesian optimization algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 747–748. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p747.pdf>
- [186] S. Luke, “Evolutionary computation and the c-value paradox,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 91–97. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p91.pdf>
- [187] M. Lunacek, D. Whitley, and J. N. Knight, “Measuring mobility and the performance of global search algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1209–1216. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1209.pdf>
- [188] X. Luo, M. I. Heywood, and A. N. Zincir-Heywood, “Evolving recurrent models using linear gp,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1787–1788. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1787.pdf>
- [189] M. Lyman and G. Lewandowski, “Genetic programming for association rules on card sorting data,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1551–1552. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1551.pdf>

- [190] H. Majeed, C. Ryan, and R. M. A. Azad, "Evaluating gp schema in context," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1773–1774. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1773.pdf>
- [191] J. G. Martin, "Subproblem optimization by gene correlation with singular value decomposition," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1507–1514. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1507.pdf>
- [192] P. Massey, J. A. Clark, and S. Stepney, "Evolution of a human-competitive quantum fourier transform algorithm using genetic programming," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1657–1663. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1657.pdf>
- [193] A. Matos, R. Suzuki, and T. Arita, "Evolutionary models for maternal effects in simulated developmental systems," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 149–150. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p149.pdf>
- [194] J. F. McLoughlin, III and W. Cedeño, "The enhanced evolutionary tabu search and its application to the quadratic assignment problem," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 975–982. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p975.pdf>
- [195] P. McMinn and M. Holcombe, "Evolutionary testing of state-based programs," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1013–1020. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1013.pdf>
- [196] M. McPartland, S. Nolfi, and H. A. Abbass, "Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 51–58. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p51.pdf>
- [197] N. F. McPhee and E. F. Crane, "A theoretical analysis of the hiff problem," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G.

- Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1153–1160. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1153.pdf>
- [198] T. Meekhof and R. B. Heckendorn, “Using evolutionary optimization to improve markov-based classification with limited training data,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2211–2212. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2211.pdf>
- [199] D. Mellor, “A first order logic classifier system,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1819–1826. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1819.pdf>
- [200] E. Mezura-Montes, J. Velázquez-Reyes, and C. A. Coello Coello, “Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 225–232. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p225.pdf>
- [201] I. Mierswa, “Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3d design of process plants,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1985–1992. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1985.pdf>
- [202] C. K. Monson and K. D. Seppi, “Bayesian optimization models for particle swarms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 193–200. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p193.pdf>
- [203] —, “Exposing origin-seeking bias in pso,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 241–248. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p241.pdf>
- [204] D. Montana and J. Redi, “Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and

- E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1993–1998. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>
- [205] F. W. Moore, “A genetic algorithm for optimized reconstruction of quantized one-dimensional signals,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1599–1600. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1599.pdf>
- [206] N. Mori, M. Takeda, and K. Matsumoto, “A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1485–1492. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1485.pdf>
- [207] T. Murata and T. Nakamura, “Genetic network programming with automatically defined groups for assigning proper roles to multiple agents,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1705–1712. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1705.pdf>
- [208] T. Murata and M. Yamaguchi, “Neighboring crossover to improve ga-based q-learning method for multi-legged robot control,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 145–146. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p145.pdf>
- [209] M. Nashvili, M. Olhofer, and B. Sendhoff, “Morphing methods in evolutionary design optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 897–904. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p897.pdf>
- [210] B. T. Nassu, E. P. Duarte, Jr., and A. T. R. Pozo, “A comparison of evolutionary algorithms for system-level diagnosis,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2053–2060. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2053.pdf>
- [211] F. Neumann and I. Wegener, “Minimum spanning trees made easier via multi-objective optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 763–769. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p763.pdf>

- [212] N. Noman and H. Iba, “Enhancing differential evolution performance with local search for high dimensional function optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 967–974. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p967.pdf>
- [213] —, “Inference of gene regulatory networks using s-system and differential evolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 439–446. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p439.pdf>
- [214] J. Nummela and B. A. Julstrom, “Evolving petri nets to represent metabolic pathways,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2133–2139. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2133.pdf>
- [215] I. Nunn and T. White, “The application of antigenic search techniques to time series forecasting,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 353–360. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p353.pdf>
- [216] K. Ohnishi and K. Yoshida, “Evolutionary change in developmental timing,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1561–1562. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1561.pdf>
- [217] R. Ondas, M. Pelikan, and K. Sastry, “Scalability of genetic programming and probabilistic incremental program evolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1785–1786. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1785.pdf>
- [218] T. J. Ong, R. Saunders, J. Keyser, and J. J. Leggett, “Terrain generation using genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1463–1470. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1463.pdf>
- [219] M. K. Pakhira and R. K. De, “A hardware pipeline for function optimization using genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.

- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 949–956. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p949.pdf>
- [220] D. Pardoe, M. Ryoo, and R. Miikkulainen, “Evolving neural network ensembles for control problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1379–1384. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1379.pdf>
- [221] G. Parker and R. Georgescu, “Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 147–148. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p147.pdf>
- [222] A. Paszyska, “An extension of vose’s markov chain model for genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1553–1554. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1553.pdf>
- [223] C. Paul, H. Lipson, and F. J. V. Cuevas, “Evolutionary form-finding of tensegrity structures,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 3–10. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p3.pdf>
- [224] T. K. Paul and H. Iba, “Extraction of informative genes from microarray data,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 453–460. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p453.pdf>
- [225] J. L. Payne and M. J. Eppstein, “A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 377–384. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p377.pdf>
- [226] S. I. V. Peña, S. B. Rionda, and A. H. Aguirre, “Multiobjective shape optimization with constraints based on estimation distribution algorithms and correlated information,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds.,

- vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 749–750. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p749.pdf>
- [227] M. Pelikan, K. Sastry, and D. E. Goldberg, “Multiobjective hboa, clustering, and scalability,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 663–670. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p663.pdf>
- [228] L. Perelman and A. Ostfeld, “Water distribution systems optimal design using cross entropy,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 647–648. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p647.pdf>
- [229] M. R. Peterson, T. E. Doom, and M. L. Raymer, “Ga-facilitated classifier optimization with varying similarity measures,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1549–1550. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1549.pdf>
- [230] Q. T. Pham, “Evolutionary optimization of dynamic control problems accelerated by progressive step reduction,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2181–2187. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2181.pdf>
- [231] T. Phienthrakul and B. Kijsirikul, “Evolutionary strategies for multi-scale radial basis function kernels in support vector machines,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 905–911. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p905.pdf>
- [232] C. Philemotte and H. Bersini, “Intrinsic emergence boosts adaptive capacity,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 559–560. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p559.pdf>
- [233] N. Pillay, “An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1781–1782. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1781.pdf>

- [234] L. Poladian, “A ga for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 415–422. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p415.pdf>
- [235] R. Poli, C. Di Chio, and W. B. Langdon, “Exploring extended particle swarms: a genetic programming approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 169–176. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p169.pdf>
- [236] R. Poli and W. B. Langdon, “Backward-chaining genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1777–1778. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1777.pdf>
- [237] E. Popovici and K. De Jong, “Understanding cooperative co-evolutionary dynamics via simple fitness landscapes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 507–514. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p507.pdf>
- [238] M. Preuss, L. Schönemann, and M. Emmerich, “Counteracting genetic drift and disruptive recombination in (μpluskomaλ)-ea on multimodal fitness landscapes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 865–872. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p865.pdf>
- [239] L. Prodan, M. Udrescu, and M. Vladutiu, “Multiple-level concatenated coding in embryonics: a dependability analysis,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 941–948. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p941.pdf>
- [240] D. Quintana, C. Luque, and P. Isasi, “Evolutionary rule-based system for ipo underpricing prediction,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 983–989. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p983.pdf>
- [241] W. Rand and R. Riolo, “The problem with a self-adaptive mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions,” in *GECCO*

- 2005: *Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1493–1500. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1493.pdf>
- [242] C. R. Raquel and P. C. Naval, Jr., “An effective use of crowding distance in multiobjective particle swarm optimization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 257–264. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p257.pdf>
- [243] B. Ravichandran, A. Gandhe, and R. E. Smith, “Xcs for robust automatic target recognition,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1803–1810. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1803.pdf>
- [244] C. Reis, J. A. T. Machado, and J. B. Cunha, “Fractional dynamic fitness functions for ga-based circuit design,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1571–1572. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1571.pdf>
- [245] H. Ransom, R. S. Varghese, D. Saha, E. Orvisky, L. Goldman, E. F. Petricoin, T. P. Conrads, T. D. Veenstra, M. Abdel-Hamid, C. A. Loffredo, and R. Goldman, “Particle swarm optimization for analysis of mass spectral serum profiles,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 431–438. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p431.pdf>
- [246] M. D. Richards, D. Whitley, J. R. Beveridge, T. Mytkowicz, D. Nguyen, and D. Rome, “Evolving cooperative strategies for uav teams,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1721–1728. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1721.pdf>
- [247] J. N. Richter, J. Paxton, and A. Wright, “Ea models and population fixed-points versus mutation rates for functions of unitation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1233–1240. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1233.pdf>
- [248] J. P. Ridder and J. C. HandUber, “Mission planning for joint suppression of enemy air defenses using a genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and*

- evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1929–1936. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1929.pdf>
- [249] J. Rieffel and J. Pollack, “Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-d objects,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 99–106. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p99.pdf>
- [250] F. Rothlauf, D. Schunk, and J. Pfeiffer, “Classification of human decision behavior: finding modular decision rules with genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2021–2028. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2021.pdf>
- [251] M. A. Russell and G. B. Lamont, “A genetic algorithm for unmanned aerial vehicle routing,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1523–1530. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1523.pdf>
- [252] S. M. Sait, M. Faheemuddin, M. R. Minhas, and S. Sanaullah, “Multiobjective vlsi cell placement using distributed genetic algorithm,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1585–1586. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1585.pdf>
- [253] S. M. Sait, S. Sanaullah, A. M. Zaidi, and M. I. Ali, “Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 921–922. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p921.pdf>
- [254] J. Sakuma and S. Kobayashi, “Latent variable crossover for k-tablet structures and its application to lens design problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1347–1354. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1347.pdf>
- [255] —, “Real-coded crossover as a role of kernel density estimation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz,

- D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 703–710. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p703.pdf>
- [256] M. E. Samples, J. M. Daida, M. Byom, and M. Pizzimenti, “Parameter sweeps for exploring gp parameters,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1791–1792. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1791.pdf>
- [257] A. V. Samsonovich and K. A. De Jong, “Pricing the ‘free lunch’ of meta-evolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1355–1362. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1355.pdf>
- [258] E. Sanchez, M. Schillaci, M. S. Reorda, G. Squillero, L. Sterpone, and M. Violante, “New evolutionary techniques for test-program generation for complex microprocessor cores,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2193–2194. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2193.pdf>
- [259] K. Sastry, H. A. Abbass, D. E. Goldberg, and D. D. Johnson, “Sub-structural niching in estimation of distribution algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 671–678. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p671.pdf>
- [260] Y. Sato and R. Kanno, “Event-driven learning classifier systems for online soccer games,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2201–2202. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2201.pdf>
- [261] L. Schönemann, “Optimal number of evolution strategies mutation step sizes in dynamic environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 923–924. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p923.pdf>
- [262] M. Scheutz and P. Schermerhorn, “Predicting population dynamics and evolutionary trajectories based on performance evaluations in alife simulations,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell,

- J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 35–42. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p35.pdf>
- [263] E. Schlessinger, P. J. Bentley, and R. B. Lotto, “Evolving visually guided agents in an ambiguous virtual world,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 115–120. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p115.pdf>
- [264] T. Schlichter, C. Haubelt, and J. Teich, “Improving ea-based design space exploration by utilizing symbolic feasibility tests,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1945–1952. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1945.pdf>
- [265] T. Schmickl, R. Thenius, and K. Crailsheim, “Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 273–274. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p273.pdf>
- [266] K. Schmitt, “Using gene deletion and gene duplication in evolution strategies,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 919–920. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p919.pdf>
- [267] K. Schmitt, J. Mehnen, and T. Michelitsch, “Using predators and preys in evolution strategies,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 827–828. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p827.pdf>
- [268] J. Schonfeld and D. Ashlock, “A study of evolutionary robustness in stochastically tiled polyominoes,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 19–26. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p19.pdf>
- [269] R. Seehuus, A. Tveit, and O. Edsberg, “Discovering biological motifs with genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 401–408. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p401.pdf>

- [270] P. Seeluangswat and P. Chongstitvatana, "A multiple objective evolutionary algorithm for multiple sequence alignment," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 477–478. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p477.pdf>
- [271] O. Seng, M. Bauer, M. Biehl, and G. Pache, "Search-based improvement of subsystem decompositions," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1045–1051. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1045.pdf>
- [272] D.-I. Seo and B.-R. Moon, "Computing the epistasis variance of large-scale traveling salesman problems," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1169–1176. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1169.pdf>
- [273] K. Seo, E. D. Goodman, and R. C. Rosenberg, "Design of air pump system using bond graph and genetic programming method," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2215–2216. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2215.pdf>
- [274] M. Settles, P. Nathan, and T. Soule, "Breeding swarms: a new approach to recurrent neural network training," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 185–192. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p185.pdf>
- [275] M. Settles and T. Soule, "Breeding swarms: a ga/pso hybrid," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 161–168. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p161.pdf>
- [276] L. S. Shafiti and E. P. Pérez, "Constructive induction and genetic algorithms for learning concepts with complex interaction," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1811–1818. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1811.pdf>
- [277] S. Shakya, J. McCall, and D. Brown, "Using a markov network model in a univariate eda: an empirical cost-benefit analysis," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf,

- C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 727–734. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p727.pdf>
- [278] J. M. Shapiro, G. B. Lamont, and G. L. Peterson, “An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 337–344. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p337.pdf>
- [279] O. M. Shir and T. Bäck, “Niching in evolution strategies,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 915–916. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p915.pdf>
- [280] S. Silva and E. Costa, “Resource-limited genetic programming: the dynamic approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1673–1680. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1673.pdf>
- [281] Y. F. Sit and R. Miikkulainen, “Learning basic navigation for personal satellite assistant using neuroevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1913–1920. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1913.pdf>
- [282] B. Skellett, B. Cairns, N. Geard, B. Tonkes, and J. Wiles, “Maximally rugged nk landscapes contain the highest peaks,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 579–584. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p579.pdf>
- [283] Z. Skolicki and K. De Jong, “The influence of migration sizes and intervals on island models,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1295–1302. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1295.pdf>
- [284] J. F. Smith, III, “Evolving fuzzy decision tree structure that adapts in real-time,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1737–1744. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1737.pdf>

- [285] A. Sokolov and D. Whitley, "Unbiased tournament selection," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1131–1138. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1131.pdf>
- [286] A. Sokolov, D. Whitley, and M. Lunacek, "Alternative implementations of the griewangk function," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1589–1590. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1589.pdf>
- [287] A. Soltoggio, "An enhanced ga to improve the search process reliability in tuning of control systems," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2165–2172. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2165.pdf>
- [288] L. Spector, J. Klein, and M. Keijzer, "The push3 execution stack and the evolution of control," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1689–1696. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1689.pdf>
- [289] P. Spellward and T. Kovacs, "On the contribution of gene libraries to artificial immune systems," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 313–319. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p313.pdf>
- [290] C. Spieth, F. Streichert, N. Speer, and A. Zell, "Identifying valid solutions for the inference of regulatory networks," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 469–470. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p469.pdf>
- [291] K. Stanley, N. Kohl, R. Sherony, and R. Miikkulainen, "Neuroevolution of an automobile crash warning system," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1977–1984. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1977.pdf>
- [292] D. Stevens, S. Das, and B. Natarajan, "A multi-objective algorithm for ds-cdma code design based on the clonal selection principle," in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf,

- C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2015–2020. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2015.pdf>
- [293] J. Stevens, R. B. Heckendorn, and T. Soule, “Exploiting disruption aversion to control code bloat,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1605–1612. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1605.pdf>
- [294] T. Stibor, P. Mohr, J. Timmis, and C. Eckert, “Is negative selection appropriate for anomaly detection?” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 321–328. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p321.pdf>
- [295] T. Storch, “On the impact of objective function transformations on evolutionary and black-box algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 833–840. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p833.pdf>
- [296] A. Stout and L. Spector, “Validation of evolutionary activity metrics for long-term evolutionary dynamics,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 137–142. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p137.pdf>
- [297] H. Stringer and A. S. Wu, “Behavior of finite population variable length genetic algorithms under random selection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1249–1255. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1249.pdf>
- [298] D. Sudholt, “Crossover is provably essential for the ising model on trees,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1161–1167. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1161.pdf>
- [299] A. Sureka and P. R. Wurman, “Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2.

Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2097–2103. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2097.pdf>

- [300] A. Sutton, H. Kagdi, J. I. Maletic, and L. G. Volkert, “Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1079–1080. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1079.pdf>
- [301] S. R. Szumslanski, A. S. Wu, and C. E. Hughes, “Collaborative interactive evolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2199–2200. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2199.pdf>
- [302] S. Talaie, R. Leigh, S. J. Louis, and G. L. Raines, “Predicting mining activity with parallel genetic algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2149–2155. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2149.pdf>
- [303] I. Taney, “Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 687–694. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p687.pdf>
- [304] J. Tang, M. H. Lim, Y. S. Ong, and M. J. Er, “Solving large scale combinatorial optimization using pma-sls,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 621–628. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p621.pdf>
- [305] K. W. Tang and R. A. Jarvis, “From supervised ranking to evolving behaviours of a robotic team,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1325–1332. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1325.pdf>
- [306] H. Terashima-Marín, E. J. Flores-Ivarez, and P. Ross, “Hyper-heuristics and classifier systems for solving 2d-regular cutting stock problems,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 637–643. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p637.pdf>

- [307] D. Thierens, “An adaptive pursuit strategy for allocating operator probabilities,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1539–1546. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1539.pdf>
- [308] G. C. Townsend, W. N. Hazel, and R. Smock, “Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in *chthamalus anisopoma*,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 409–414. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p409.pdf>
- [309] K. Tumer and A. Agogino, “Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 591–598. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p591.pdf>
- [310] S. Uyar and G. Eryiğit, “Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1257–1264. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1257.pdf>
- [311] V. Valsalam, J. Bednar, and R. Miiikkulainen, “Constructing good learners using evolved pattern generators,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 11–18. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p11.pdf>
- [312] S. A. Vignham, J. C. Gallagher, and S. K. Boddhu, “Evolving analog controllers for correcting thermoacoustic instability in real hardware,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 933–940. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p933.pdf>
- [313] D. Vrajitoru and J. DeBoni, “Hybrid real-coded mutation for genetic algorithms applied to graph layouts,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1563–1564. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1563.pdf>
- [314] J. A. Walker and J. F. Miller, “Investigating the performance of module acquisition in cartesian genetic programming,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and*

- evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1649–1656. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1649.pdf>
- [315] Z.-G. Wang, M. Rahman, and Y.-S. Wong, “Multi-niche crowding in the development of parallel genetic simulated annealing,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1555–1556. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1555.pdf>
- [316] S. Wappler and F. Lammermann, “Using evolutionary algorithms for the unit testing of object-oriented software,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1053–1060. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1053.pdf>
- [317] S. Watanabe and K. Sakakibara, “The effectiveness of multiobjective optimizer in single-objective optimization environment,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 829–830. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p829.pdf>
- [318] H. F. Wedde, M. Farooq, T. Pannenbaecker, B. Vogel, C. Mueller, J. Meth, and R. Jeruschkat, “Beead hoc: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 153–160. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p153.pdf>
- [319] S. Whiteson, P. Stone, K. O. Stanley, R. Miikkulainen, and N. Kohl, “Automatic feature selection in neuroevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1225–1232. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1225.pdf>
- [320] P. Whiting, P. W. Poon, and J. N. Carter, “A genetic algorithm approach to the selection of near-optimal subsets from large sets,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2203–2204. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2203.pdf>
- [321] D. Wierstra, F. J. Gomez, and J. Schmidhuber, “Modeling systems with internal state using evoluno,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson,

- X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1795–1802. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1795.pdf>
- [322] K. C. Wiese, A. Hendriks, A. Deschênes, and B. B. Youssef, “The impact of pseudorandom number quality on p-rnapredict, a parallel genetic algorithm for rna secondary structure prediction,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 479–480. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p479.pdf>
- [323] J. Wight and Y. Zhang, “An “ageing” operator and its use in the highly constrained topological optimization of hvac system design,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2075–2082. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2075.pdf>
- [324] N. Williams and M. Mitchell, “Investigating the success of spatial coevolution,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 523–530. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p523.pdf>
- [325] G. Wilson and M. Heywood, “Use of a genetic algorithm in brill’s transformation-based part-of-speech tagger,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2067–2073. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2067.pdf>
- [326] A. H. Wright and S. Pulavarty, “On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 695–702. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p695.pdf>
- [327] J.-Y. Wu and Y.-K. Chung, “Artificial immune system for solving generalized geometric problems: a preliminary results,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 329–336. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p329.pdf>
- [328] K. Xu, S. J. Louis, and R. C. Mancini, “A scalable parallel genetic algorithm for x-ray spectroscopic analysis,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 811–816. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p811.pdf>

- [329] K. Yanai and H. Iba, “Probabilistic distribution models for eda-based gp,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1775–1776. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1775.pdf>
- [330] S. Yang, “Memory-based immigrants for genetic algorithms in dynamic environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1115–1122. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1115.pdf>
- [331] —, “Population-based incremental learning with memory scheme for changing environments,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 711–718. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p711.pdf>
- [332] A. S. Yilmaz and A. S. Wu, “Preservation of genetic redundancy in the existence of developmental error and fitness assignment error,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1317–1324. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1317.pdf>
- [333] S. Yilmaz, K. Ivanov, and S. Levine, “Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1477–1483. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1477.pdf>
- [334] Y. Yoon, Y.-H. Kim, and B.-R. Moon, “An evolutionary lagrangian method for the 0/1 multiple knapsack problem,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 629–635. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p629.pdf>
- [335] B. Yossi and R. Poli, “Information landscapes and the analysis of search algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1287–1294. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1287.pdf>
- [336] T.-L. Yu, K. Sastry, and D. E. Goldberg, “Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination,” in *GECCO 2005: Proceedings of the*

- 2005 conference on Genetic and evolutionary computation, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1217–1224. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1217.pdf>
- [337] B. Yuan and M. Gallagher, “On the importance of diversity maintenance in estimation of distribution algorithms,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 719–726. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p719.pdf>
- [338] B. Yuan, M. Gallagher, and S. Crozier, “Mri magnet design: search space analysis, edas and a real-world problem with significant dependencies,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 2141–2148. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2141.pdf>
- [339] A. E. M. Zavala, A. H. Aguirre, and E. R. V. Diharce, “Constrained optimization via particle evolutionary swarm optimization algorithm (peso),” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 209–216. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p209.pdf>
- [340] E. M. Zechman and S. R. Ranjithan, “Multipopulation cooperative coevolutionary programming (mccp) to enhance design innovation,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1641–1648. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1641.pdf>
- [341] Y. Zhan and J. A. Clark, “Search-based mutation testing for simulink models,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1061–1068. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1061.pdf>
- [342] B.-T. Zhang and H.-Y. Jang, “Molecular programming: evolving genetic programs in a test tube,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1761–1768. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1761.pdf>
- [343] C. Zhang and K. Rasheed, “Improving ga search reliability using maximal hyper-rectangle analysis,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.

- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1185–1192. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1185.pdf>
- [344] J. Zhang, H. S. H. Chung, and J. Zhong, “Adaptive crossover and mutation in genetic algorithms based on clustering technique,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 2. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 1577–1578. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1577.pdf>
- [345] Y. Zhang and P. I. Rockett, “Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection,” in *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, H.-G. Beyer, U.-M. O’Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, and E. Zitzler, Eds., vol. 1. Washington DC, USA: ACM Press, 25-29 June 2005, pp. 795–802. [Online]. Available: <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p795.pdf>