

## Список литературы

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

- [Alim & Ivanov(2005)] Alim, F. & Ivanov, K. (2005). Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2191–2192. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2191.pdf>.
- [Amor & Rettinger(2005)] Amor, H. B. & Rettinger, A. (2005). Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1531–1538. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1531.pdf>.
- [Ando & Kobayashi(2005)] Ando, S. & Kobayashi, S. (2005). Fitness-based neighbor selection for multimodal function optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1573–1574. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1573.pdf>.
- [Ando et al.(2005)] Ando, Sakuma, & Kobayashi] Ando, S., Sakuma, J., & Kobayashi, S. (2005). Adaptive isolation model using data clustering for multimodal function optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1417–1424. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1417.pdf>.
- [Antol&#237;k & Hsu(2005)] Antol&#237;k, J. & Hsu, W. H. (2005). Evolutionary tree genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1789–1790. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1789.pdf>.
- [Ashlock & Kim(2005)] Ashlock, D. & Kim, E.-Y. (2005). The impact of cellular representation on finite state agents for prisoner's dilemma. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 59–66. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p59.pdf>.
- [Auger et al.(2005)] Auger, Schoenauer, & Teytaud] Auger, A., Schoenauer, M., & Teytaud, O. (2005). Local and global order 3/2 convergence of a surrogate evolutionary algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 857–864. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p857.pdf>.
- [Auwatanamongkol(2005)] Auwatanamongkol, S. (2005). Inexact pattern matching using genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.

- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1567–1568. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1567.pdf>.
- [Bacardit(2005)] Bacardit, J. (2005). Analysis of the initialization stage of a pittsburgh approach learning classifier system. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1843–1850. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1843.pdf>.
- [Barbosa & Lemonge(2005)] Barbosa, H. J. & Lemonge, A. C. (2005). A genetic algorithm encoding for a class of cardinality constraints. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1193–1200. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1193.pdf>.
- [Bassett et al.(2005)] Bassett, Potter, & De Jong] Bassett, J. K., Potter, M. A., & De Jong, K. A. (2005). Applying price's equation to survival selection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1371–1378. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1371.pdf>.
- [Becerra & Coello Coello(2005)] Becerra, R. L. & Coello Coello, C. A. (2005). Optimization with constraints using a cultured differential evolution approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 27–34. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p27.pdf>.
- [Bello et al.(2005)] Bello, Nowe, Caballero, G&#243;mez, & Vrancx] Bello, R., Nowe, A., Caballero, Y., G&#243;mez, Y., & Vrancx, P. (2005). A model based on ant colony system and rough set theory to feature selection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 275–276. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p275.pdf>.
- [Berntsson & Tang(2005a)] Berntsson, J. & Tang, M. (2005a). Adaptive sizing of populations and number of islands in distributed genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1575–1576. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1575.pdf>.
- [Berntsson & Tang(2005b)] Berntsson, J. & Tang, M. (2005b). Dynamic optimization of migration topology in internet-based distributed genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule,

- A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1579–1580. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1579.pdf>.
- [Besetti & Soule(2005)] Besetti, S. & Soule, T. (2005). Function choice, resiliency and growth in genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1771–1772. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1771.pdf>.
- [Beyer et al.(2005)] Beyer, O'Reilly, Arnold, Banzhaf, Blum, Bonabeau, Cantu-Paz, Dasgupta, Deb, Foster, de Jong, Lipson, Beyer, H.-G., O'Reilly, U.-M., Arnold, D. V., Banzhaf, W., Blum, C., Bonabeau, E. W., Cantu-Paz, E., Dasgupta, D., Deb, K., Foster, J. A., de Jong, E. D., Lipson, H., Llorca, X., Mancoridis, S., Pelikan, M., Raidl, G. R., Soule, T., Tyrrell, A. M., Watson, J.-P., & Zitzler, E. (Eds.) (2005). *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press. URL <http://portal.acm.org/citation.cfm?id=1068009&jmp=cit&coll=GUIDE&dl=GUIDE&CFID=48779769&CFTOKEN=55479664#supp>.
- [Bongard & Lipson(2005)] Bongard, J. C. & Lipson, H. (2005). 'managed challenge' alleviates disengagement in co-evolutionary system identification. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 531–538. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p531.pdf>.
- [Borenstein & Poli(2005a)] Borenstein, Y. & Poli, R. (2005a). Information landscapes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1515–1522. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1515.pdf>.
- [Borenstein & Poli(2005b)] Borenstein, Y. & Poli, R. (2005b). Information landscapes and problem hardness. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1425–1431. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1425.pdf>.
- [Borgulya(2005)] Borgulya, I. (2005). A hybrid evolutionary algorithm for the p-median problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 649–650. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p649.pdf>.
- [Bosman & de Jong(2005)] Bosman, P. A. N. & de Jong, E. D. (2005). Exploiting gradient information in numerical multi-objective evolutionary optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 755–762. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p755.pdf>.



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

- H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1905–1912. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1905.pdf>.
- [Bui *et al.*(2005a)] Bui, L. T., Abbass, H. A., & Essam, D. (2005a). Fitness inheritance for noisy evolutionary multi-objective optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 779–785. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p779.pdf>.
- [Bui *et al.*(2005b)] Bui, L. T., Branke, J., & Abbass, H. A. (2005b). Diversity as a selection pressure in dynamic environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1557–1558. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1557.pdf>.
- [Bui & Colpan(2005)] Bui, T. N. & Colpan, M. (2005). Solving geometric tsp with ants. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 271–272. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p271.pdf>.
- [Bui & Sundarraj(2005)] Bui, T. N. & Sundarraj, G. (2005). An efficient genetic algorithm for predicting protein tertiary structures in the 2d hp model. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 385–392. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p385.pdf>.
- [Butz(2005)] Butz, M. V. (2005). Kernel-based, ellipsoidal conditions in the real-valued xcs classifier system. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1835–1842. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1835.pdf>.
- [Butz *et al.*(2005)] Butz, M. V., Pelikan, M., Llorca, X., & Goldberg, D. E. (2005). Extracted global structure makes local building block processing effective in xcs. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 655–662. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p655.pdf>.
- [Cairns *et al.*(2005)] Cairns, D. E., Cameron, G. J., & Wess, T. J. (2005). Evolving an improved axial structure for fibrillar collagen. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A.

- Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 471–472. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p471.pdf>.
- [Canfora *et al.*(2005)Canfora, Penta, Esposito, & Villani] Canfora, G., Penta, M. D., Esposito, R., & Villani, M. L. (2005). An approach for qos-aware service composition based on genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1069–1075. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1069.pdf>.
- [Carter *et al.*(2005)Carter, Ebdon, & Neal-Sturgess] Carter, E., Ebdon, S., & Neal-Sturgess, C. (2005). Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2113–2120. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2113.pdf>.
- [Castillo & Villa(2005)] Castillo, F. A. & Villa, C. M. (2005). Symbolic regression in multicollinearity problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2207–2208. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2207.pdf>.
- [Cavill *et al.*(2005)Cavill, Smith, & Tyrrell] Cavill, R., Smith, S., & Tyrrell, A. (2005). Multi-chromosomal genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1753–1759. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1753.pdf>.
- [Cazangi *et al.*(2005)Cazangi, Von Zuben, & Figueiredo] Cazangi, R. R., Von Zuben, F. J., & Figueiredo, M. F. (2005). Autonomous navigation system applied to collective robotics with ant-inspired communication. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 121–128. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p121.pdf>.
- [Che *et al.*(2005)Che, Song, & Rasheed] Che, D., Song, Y., & Rasheed, K. (2005). Mdga: motif discovery using a genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 447–452. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p447.pdf>.
- [Chen *et al.*(2005)Chen, Ho, & Goldberg] Chen, J.-H., Ho, S.-Y., & Goldberg, D. E. (2005). Quality-time analysis of multi-objective evolutionary algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A.

- Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1455–1462. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1455.pdf>.
- [Chen & Pitt(2005)] Chen, S. & Pitt, G. (2005). Isolating the benefits of respect. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1601–1602. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1601.pdf>.
- [Cherba *et al.*(2005)Cherba, Punch, Duxbury, Billinge, & Juhas] Cherba, D. M., Punch, W., Duxbury, P., Billinge, S., & Juhas, P. (2005). Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1565–1566. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1565.pdf>.
- [Choi *et al.*(2005a)Choi, Jung, & Kim] Choi, S.-S., Jung, K., & Kim, J. H. (2005a). Phase transition in a random nk landscape model. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1241–1248. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1241.pdf>.
- [Choi *et al.*(2005b)Choi, Moon, & Seo] Choi, Y.-S., Moon, B.-R., & Seo, S. Y. (2005b). Genetic fuzzy discretization with adaptive intervals for classification problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2037–2043. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2037.pdf>.
- [Cochenour *et al.*(2005)Cochenour, Simon, Das, Pahwa, & Nag] Cochenour, G., Simon, J., Das, S., Pahwa, A., & Nag, S. (2005). A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2127–2132. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2127.pdf>.
- [Collins(2005)] Collins, M. (2005). Finding needles in haystacks is harder with neutrality. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1613–1618. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1613.pdf>.
- [Cong *et al.*(2005)Cong, Sha, Jiao, & Liu] Cong, L., Sha, Y., Jiao, L., & Liu, F. (2005). Directional self-learning of genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong,



- H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1569–1570. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1569.pdf>.
- [Cui & Zeng(2005)] Cui, Z. & Zeng, J. (2005). A modified particle swarm optimization predicted by velocity. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 277–278. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p277.pdf>.
- [D&#237;az & Romay(2005)] D&#237;az, D. S. & Romay, M. G. (2005). Introducing a watermarking with a multi-objective genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2219–2220. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2219.pdf>.
- [Dahal *et al.*(2005)] Dahal, K. P., Galloway, S. J., Burt, G. M., McDonald, J. R., & Hopkins, I. (2005). A case study of process facility optimization using discrete event simulation and genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2197–2198. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2197.pdf>.
- [Daida(2005)] Daida, J. M. (2005). Towards identifying populations that increase the likelihood of success in genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1627–1634. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1627.pdf>.
- [Daida *et al.*(2005)] Daida, J. M., Samples, M. E., & Byom, M. J. (2005). Probing for limits to building block mixing with a tunably-difficult problem for genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1713–1720. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1713.pdf>.
- [Dam *et al.*(2005)] Dam, H. H., Abbass, H. A., & Lokan, C. (2005). DxcS: an xcs system for distributed data mining. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1883–1890. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1883.pdf>.
- [Daoud & Kharmah(2005)] Daoud, M. & Kharmah, N. (2005). Gats 1.0: a novel ga-based scheduling algorithm for task scheduling on heterogeneous processor nets. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M.

- Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2209–2210. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2209.pdf>.
- [Das *et al.*(2005a)Das, Konar, & Chakraborty] Das, S., Konar, A., & Chakraborty, U. K. (2005a). An efficient evolutionary algorithm applied to the design of two-dimensional iir filters. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2157–2163. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2157.pdf>.
- [Das *et al.*(2005b)Das, Konar, & Chakraborty] Das, S., Konar, A., & Chakraborty, U. K. (2005b). Improving particle swarm optimization with differentially perturbed velocity. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 177–184. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p177.pdf>.
- [Das *et al.*(2005c)Das, Konar, & Chakraborty] Das, S., Konar, A., & Chakraborty, U. K. (2005c). Two improved differential evolution schemes for faster global search. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 991–998. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p991.pdf>.
- [Day *et al.*(2005)Day, Nunez, & Lamont] Day, R. O., Nunez, A. S., & Lamont, G. B. (2005). Moea design of robust digital symbol sets. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2213–2214. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2213.pdf>.
- [de Fran&#231;a *et al.*(2005)de Fran&#231;a, Von Zuben, & de Castro] de Fran&#231;a, F. O., Von Zuben, F. J., & de Castro, L. N. (2005). An artificial immune network for multimodal function optimization on dynamic environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 289–296. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p289.pdf>.
- [de Jong(2005)] de Jong, E. (2005). The maxsolve algorithm for coevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 483–489. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p483.pdf>.
- [de Jong *et al.*(2005)de Jong, Watson, & Thierens] de Jong, E. D., Watson, R. A., & Thierens, D. (2005). On the complexity of hierarchical problem solving. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1201–1208. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1201.pdf>.

- [de Silva & Suzuki(2005)] de Silva, U. C. & Suzuki, J. (2005). On the stationary distribution of gas with fixed crossover probability. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1147–1151. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1147.pdf>.
- [Defaweux et al.(2005)] Defaweux, A., Lenaerts, T., van Hemert, J., & Parent, J. (2005). Transition models as an incremental approach for problem solving in evolutionary algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 599–606. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p599.pdf>.
- [Dempsey et al.(2005)] Dempsey, I., O'Neill, M., & Brabazon, A. (2005). Meta-grammar constant creation with grammatical evolution by grammatical evolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1665–1671. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1665.pdf>.
- [Derderian et al.(2005)] Derderian, K., Hierons, R. M., Harman, M., & Guo, Q. (2005). Generating feasible input sequences for extended finite state machines (efsms) using genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1081–1082. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1081.pdf>.
- [Diaz-Gomez & Hougen(2005)] Diaz-Gomez, P. A. & Hougen, D. F. (2005). Analysis and mathematical justification of a fitness function used in an intrusion detection system. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1591–1592. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1591.pdf>.
- [Ding & Yu(2005)] Ding, L. & Yu, J. (2005). Some theoretical results about the computation time of evolutionary algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1409–1415. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1409.pdf>.
- [Downing(2005)] Downing, K. L. (2005). The predictive basis of situated and embodied artificial intelligence. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 43–50. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p43.pdf>.

- [Droste(2005)] Droste, S. (2005). Not all linear functions are equally difficult for the compact genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 679–686. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p679.pdf>.
- [Drugowitsch & Barry(2005)] Drugowitsch, J. & Barry, A. M. (2005). Xcs with eligibility traces. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1851–1858. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1851.pdf>.
- [Duarte *et al.*(2005)] Duarte, A., & ngel S&#225;nchez, Fern&#225;ndez, & Cabido] Duarte, A., & ngel S&#225;nchez, Fern&#225;ndez, F., & Cabido, R. (2005). A low-level hybridization between memetic algorithm and vns for the max-cut problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 999–1006. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p999.pdf>.
- [Duong & Grefenstette(2005)] Duong, D. V. & Grefenstette, J. (2005). The emulation of social institutions as a method of coevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 555–556. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p555.pdf>.
- [Ecemis *et al.*(2005)] Ecemis, Bonabeau, & Ashburn] Ecemis, I., Bonabeau, E., & Ashburn, T. (2005). Interactive estimation of agent-based financial markets models: modularity and learning. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1897–1904. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1897.pdf>.
- [Eiben *et al.*(2005)] Eiben, Schut, & Toma] Eiben, A. E., Schut, M. C., & Toma, T. (2005). Comparing multicast and newscast communication in evolving agent societies. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 75–81. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p75.pdf>.
- [El-Abd & Kamel(2005)] El-Abd, M. & Kamel, M. (2005). Factors governing the behavior of multiple cooperating swarms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 269–270. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p269.pdf>.
- [Fenton & Walsh(2005)] Fenton, P. & Walsh, P. (2005). A comparison of messy ga and permutation based ga for job shop scheduling. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf,



- C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1593–1594. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1593.pdf>.
- [Ferreira *et al.*(2005)] Ferreira, T. A. E., Vasconcelos, G. C., & Adeodato, P. J. L. (2005). A new evolutionary method for time series forecasting. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2221–2222. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2221.pdf>.
- [Ferretti & Esquivel(2005)] Ferretti, E. & Esquivel, S. (2005). Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1587–1588. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1587.pdf>.
- [Ficici(2005)] Ficici, S. G. (2005). Monotonic solution concepts in coevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 499–506. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p499.pdf>.
- [Firpi *et al.*(2005)] Firpi, H., Goodman, E., & Echaz, J. (2005). Epileptic seizure detection by means of genetically programmed artificial features. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 461–466. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p461.pdf>.
- [Fleischer(2005)] Fleischer, M. (2005). Scale invariant pareto optimality: a meta-formalism for characterizing and modeling cooperativity in evolutionary systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 233–240. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p233.pdf>.
- [Foong *et al.*(2005)] Foong, W. K., Maier, H. R., & Simpson, A. R. (2005). Ant colony optimization for power plant maintenance scheduling optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 249–256. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p249.pdf>.
- [Foreman & Evett(2005)] Foreman, N. & Evett, M. (2005). Preventing overfitting in gp with canary functions. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca,

- S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1779–1780. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1779.pdf>.
- [Funes & Pujals(2005)] Funes, P. & Pujals, E. (2005). Intransitivity revisited coevolutionary dynamics of numbers games. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 515–521. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p515.pdf>.
- [Galeano *et al.*(2005)] Galeano, J. C., Veloza-Suan, A., & Gonzalez, F. A. (2005). A comparative analysis of artificial immune network models. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 361–368. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p361.pdf>.
- [Garibay *et al.*(2005)] Garibay, I., Wu, A. S., & Garibay, O. (2005). On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1177–1184. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1177.pdf>.
- [Garrett *et al.*(2005)] Garrett, D., Vannucci, J., Silva, R., Dasgupta, D., & Simien, J. (2005). Genetic algorithms for the sailor assignment problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1921–1928. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1921.pdf>.
- [Geem *et al.*(2005)] Geem, Z. W., Lee, K. S., & Tseng, C.-L. (2005). Harmony search for structural design. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 651–652. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p651.pdf>.
- [Gelly *et al.*(2005)] Gelly, S., Teytaud, O., Bredeche, N., & Schoenauer, M. (2005). A statistical learning theory approach of bloat. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1783–1784. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1783.pdf>.
- [Giacobini *et al.*(2005)] Giacobini, M., Tomassini, M., & Tettamanzi, A. (2005). Takeover time curves in random and small-world structured populations. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.

- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1333–1340. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1333.pdf>.
- [Gir&#225;ldez & Aguilar-Ruiz(2005)] Gir&#225;ldez, R. & Aguilar-Ruiz, J. S. (2005). Feature influence for evolutionary learning. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1139–1145. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1139.pdf>.
- [Gomez & Schmidhuber(2005)] Gomez, F. J. & Schmidhuber, J. (2005). Co-evolving recurrent neurons learn deep memory pomdps. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 491–498. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p491.pdf>.
- [Gong *et al.*(2005a)Gong, Jiao, Du, Shang, & Lu] Gong, M., Jiao, L., Du, H., Shang, R., & Lu, B. (2005a). Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 373–374. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p373.pdf>.
- [Gong *et al.*(2005b)Gong, Wang, Jiao, & Du] Gong, M., Wang, L., Jiao, L., & Du, H. (2005b). An artificial immune system algorithm for cdma multiuser detection over multi-path channels. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2105–2111. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2105.pdf>.
- [Gong *et al.*(2005c)Gong, Nakamura, & Tamaki] Gong, Y., Nakamura, M., & Tamaki, S. (2005c). Parallel genetic algorithms on line topology of heterogeneous computing resources. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1447–1454. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1447.pdf>.
- [Gonz&#225;lez *et al.*(2005)Gonz&#225;lez, Galeano, Rojas, & Veloza-Suan] Gonz&#225;lez, F. A., Galeano, J. C., Rojas, D. A., & Veloza-Suan, A. (2005). Discriminating and visualizing anomalies using negative selection and self-organizing maps. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 297–304. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p297.pdf>.
- [Gordon & Bentley(2005)] Gordon, T. G. W. & Bentley, P. J. (2005). Bias and scalability in evolutionary development. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum,

- E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 83–90. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p83.pdf>.
- [Graham *et al.*(2005)Graham, Masum, & Oppacher] Graham, L., Masum, H., & Oppacher, F. (2005). Statistical analysis of heuristics for evolving sorting networks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1265–1270. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1265.pdf>.
- [Grasemann & Miikkulainen(2005)] Grasemann, U. & Miikkulainen, R. (2005). Effective image compression using evolved wavelets. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1961–1968. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1961.pdf>.
- [Greene(2005)] Greene, W. A. (2005). Schema disruption in tree-structured chromosomes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1401–1408. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1401.pdf>.
- [Grosso *et al.*(2005)Grosso, Antoniol, Penta, Galinier, & Merlo] Grosso, C. D., Antoniol, G., Penta, M. D., Galinier, P., & Merlo, E. (2005). Improving network applications security: a new heuristic to generate stress testing data. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1037–1043. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1037.pdf>.
- [Gunia(2005)] Gunia, C. (2005). On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 571–578. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p571.pdf>.
- [Guo *et al.*(2005)Guo, Han, & Tay] Guo, Z., Han, H. K., & Tay, J. C. (2005). Sufficiency verification of hiv-1 pathogenesis based on multi-agent simulation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 305–312. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p305.pdf>.
- [Guofang *et al.*(2005)Guofang, Minqiang, & Jisong] Guofang, N., Minqiang, L., & Jisong, K. (2005). Multi-level genetic algorithm (mlga) for the construction of clock binary tree. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl,



- T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1441–1445. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1441.pdf>.
- [H.(2005)] H., J. A. M. (2005). Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1559–1560. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1559.pdf>.
- [Haas et al.(2005)] Haas, Peysakhov, & Mancoridis] Haas, J., Peysakhov, M., & Mancoridis, S. (2005). Ga-based parameter tuning for multi-agent systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1085–1086. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1085.pdf>.
- [Han & Bhanu(2005)] Han, J. & Bhanu, B. (2005). Hierarchical multi-sensor image registration using evolutionary computation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2045–2052. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2045.pdf>.
- [Hang & Dai(2005)] Hang, X. & Dai, H. (2005). Applying both positive and negative selection to supervised learning for anomaly detection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 345–352. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p345.pdf>.
- [Harman et al.(2005)] Harman, Swift, & Mahdavi] Harman, M., Swift, S., & Mahdavi, K. (2005). An empirical study of the robustness of two module clustering fitness functions. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1029–1036. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1029.pdf>.
- [Hartmann(2005)] Hartmann, V. (2005). Evolving agent swarms for clustering and sorting. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 217–224. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p217.pdf>.
- [Hasenj&#228;ger et al.(2005)] Hasenj&#228;ger, Sendhoff, Sonoda, & Arima] Hasenj&#228;ger, M., Sendhoff, B., Sonoda, T., & Arima, T. (2005). Three dimensional evolutionary aerodynamic design optimization with cma-es. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2173–2180. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2173.pdf>.

- [Hernandez *et al.*(2005)Hernandez, Wilder, Nino, & Garcia] Hernandez, G., Wilder, K., Nino, F., & Garcia, J. (2005). Towards a self-stopping evolutionary algorithm using coupling from the past. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 615–620. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p615.pdf>.
- [Hijazi *et al.*(2005)Hijazi, Natarajan, & Das] Hijazi, S. L., Natarajan, B., & Das, S. (2005). An ant colony algorithm for multi-user detection in wireless communication systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2121–2126. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2121.pdf>.
- [Hiroyasu *et al.*(2005)Hiroyasu, Miki, Nakayama, & Hanada] Hiroyasu, T., Miki, M., Nakayama, S., & Hanada, Y. (2005). Multi-objective optimization of diesel engine emissions and fuel economy using spea2+. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2195–2196. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2195.pdf>.
- [Ho & Shimizu(2005)] Ho, P. Y. & Shimizu, K. (2005). Simple addition of ranking method for constrained optimization in evolutionary algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 889–896. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p889.pdf>.
- [Hohm & Hoffmann(2005)] Hohm, T. & Hoffmann, D. (2005). A multi-objective evolutionary approach to peptide structure redesign and stabilization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 423–429. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p423.pdf>.
- [Hong *et al.*(2005)Hong, Ren, & Zeng] Hong, Y., Ren, Q., & Zeng, J. (2005). Genetic drift in univariate marginal distribution algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 745–746. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p745.pdf>.
- [Horn(2005)] Horn, J. (2005). Shape nesting by coevolving species. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 557–558. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p557.pdf>.
- [Hornby(2005)] Hornby, G. S. (2005). Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf,

- C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1729–1736. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1729.pdf>.
- [hsiang Chan *et al.*(2005)hsiang Chan, Lee, Kao, & Tsai] hsiung Chan, C., Lee, S.-A., Kao, C.-Y., & Tsai, H.-K. (2005). Improving eax with restricted 2-opt. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1471–1476. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1471.pdf>.
- [Hu *et al.*(2005)Hu, Zhong, & Goodman] Hu, J., Zhong, X., & Goodman, E. D. (2005). Open-ended robust design of analog filters using genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1619–1626. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1619.pdf>.
- [hua Yang *et al.*(2005)hua Yang, cheng Fang, & qiang Qi] hua Yang, Z., cheng Fang, J., & qiang Qi, Z. (2005). Flight midcourse guidance control based on genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1501–1506. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1501.pdf>.
- [Huang *et al.*(2005)Huang, Bieniawski, Wolpert, & Strauss] Huang, C.-F., Bieniawski, S., Wolpert, D. H., & Strauss, C. E. M. (2005). A comparative study of probability collectives based multi-agent systems and genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 751–752. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p751.pdf>.
- [Huang & Rocha(2005)] Huang, C.-F. & Rocha, L. M. (2005). Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 545–552. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p545.pdf>.
- [Hunt *et al.*(2005)Hunt, Hornby, & Lohn] Hunt, R., Hornby, G. S., & Lohn, J. D. (2005). Toward evolved flight. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 957–964. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p957.pdf>.
- [Iglesias *et al.*(2005)Iglesias, Naudts, Verschoren, & Vidal] Iglesias, M. T., Naudts, B., Verschoren, A., & Vidal, C. (2005). Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca,

- S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1303–1308. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1303.pdf>.
- [Ishibuchi & Narukawa(2005)] Ishibuchi, H. & Narukawa, K. (2005). Comparison of evolutionary multiobjective optimization with reference solution-based single-objective approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 787–794. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p787.pdf>.
- [Ishibuchi et al.(2005)] Ishibuchi, H., Narukawa, K., & Nojima, Y. (2005). An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 817–824. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p817.pdf>.
- [J&#228;gersk&#252;pfer & Witt(2005)] J&#228;gersk&#252;pfer, J. & Witt, C. (2005). Rigorous runtime analysis of a (&#956;+1)es for the sphere function. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 849–856. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p849.pdf>.
- [Jackson(2005a)] Jackson, D. (2005a). Dormant program nodes and the efficiency of genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1745–1751. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1745.pdf>.
- [Jackson(2005b)] Jackson, D. (2005b). Parsing and translation of expressions by genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1681–1688. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1681.pdf>.
- [Janikow & Mann(2005)] Janikow, C. Z. & Mann, C. J. (2005). Cgp visits the santa fe trail: effects of heuristics on gp. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1697–1704. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1697.pdf>.
- [Jansen & Schellbach(2005)] Jansen, T. & Schellbach, U. (2005). Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M.



- Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 841–848. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p841.pdf>.
- [Ji & Dasgupta(2005)] Ji, Z. & Dasgupta, D. (2005). Estimating the detector coverage in a negative selection algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 281–288. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p281.pdf>.
- [Jin *et al.*(2005)Jin, Kao, Huang, Hsu, Lee, & Lee] Jin, M.-H., Kao, C.-Y., Huang, Y.-C., Hsu, D. F., Lee, R.-G., & Lee, C.-K. (2005). Compact genetic algorithm for active interval scheduling in hierarchical sensor networks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2205–2206. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2205.pdf>.
- [Julstrom(2005a)] Julstrom, B. A. (2005a). The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 585–590. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p585.pdf>.
- [Julstrom(2005b)] Julstrom, B. A. (2005b). Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 607–614. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p607.pdf>.
- [Kavka *et al.*(2005)Kavka, Roggero, & Schoenauer] Kavka, C., Roggero, P., & Schoenauer, M. (2005). Evolution of voronoi based fuzzy recurrent controllers. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1385–1392. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1385.pdf>.
- [Keijzer *et al.*(2005)Keijzer, Baptist, Babovic, & Uthurburu] Keijzer, M., Baptist, M., Babovic, V., & Uthurburu, J. R. (2005). Determining equations for vegetation induced resistance using genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1999–2006. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1999.pdf>.
- [Kennedy(2005)] Kennedy, J. (2005). Dynamic-probabilistic particle swarms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 201–207. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p201.pdf>.

- [Keymeulen *et al.*(2005)Keymeulen, Fink, Ferguson, Peay, Oks, Terrile, & Yee] Keymeulen, D., Fink, W., Ferguson, M. I., Peay, C., Oks, B., Terrile, R., & Yee, K. (2005). Evolutionary computation applied to the tuning of mems gyroscopes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 927–932. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p927.pdf>.
- [Kicinger *et al.*(2005)Kicinger, Arciszewski, & De Jong] Kicinger, R., Arciszewski, T., & De Jong, K. (2005). Parameterized versus generative representations in structural design: an empirical comparison. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2007–2014. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2007.pdf>.
- [Kim *et al.*(2005)Kim, Choi, & Moon] Kim, J.-H., Choi, S.-S., & Moon, B.-R. (2005). Normalization for neural network in genetic search. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1581–1582. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1581.pdf>.
- [Kim & Moon(2005)] Kim, Y.-H. & Moon, B.-R. (2005). New topologies for genetic search space. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1393–1399. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1393.pdf>.
- [Kimura & Matsumura(2005)] Kimura, S. & Matsumura, K. (2005). Genetic algorithms using low-discrepancy sequences. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1341–1346. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1341.pdf>.
- [Knidel *et al.*(2005)Knidel, de Castro, & Von Zuben] Knidel, H., de Castro, L. N., & Von Zuben, F. J. (2005). Rabnet: a real-valued antibody network for data clustering. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 371–372. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p371.pdf>.
- [Koduru *et al.*(2005)Koduru, Das, Welch, Roe, & Lopez-Dee] Koduru, P., Das, S., Welch, S., Roe, J. L., & Lopez-Dee, Z. P. (2005). A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 393–399. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p393.pdf>.

- [Konak & Smith(2005)] Konak, A. & Smith, A. E. (2005). Designing resilient networks using a hybrid genetic algorithm approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1279–1285. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1279.pdf>.
- [Koza *et al.*(2005)Koza, Al-Sakran, & Jones] Koza, J. R., Al-Sakran, S. H., & Jones, L. W. (2005). Automated re-invention of six patented optical lens systems using genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1953–1960. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1953.pdf>.
- [Kramer *et al.*(2005)Kramer, Ting, & B&#252;ning] Kramer, O., Ting, C.-K., & B&#252;ning, H. K. (2005). A mutation operator for evolution strategies to handle constrained problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 917–918. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p917.pdf>.
- [Kurz & Canterbury(2005)] Kurz, M. E. & Canterbury, S. (2005). Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 803–809. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p803.pdf>.
- [Kwon *et al.*(2005)Kwon, Choi, & Moon] Kwon, Y.-K., Choi, S.-S., & Moon, B.-R. (2005). Stock prediction based on financial correlation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2061–2066. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2061.pdf>.
- [Kwon & Moon(2005)] Kwon, Y.-K. & Moon, B.-R. (2005). Nonlinear feature extraction using a neuro genetic hybrid. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2089–2096. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2089.pdf>.
- [Lameijer *et al.*(2005)Lameijer, IJzerman, & Kok] Lameijer, E.-W., IJzerman, A., & Kok, J. (2005). The molecule evaluator: an interactive evolutionary algorithm for designing drug molecules. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1969–1976. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1969.pdf>.

- [Lammermann & Wappler(2005)] Lammermann, F. & Wappler, S. (2005). Benefits of software measures for evolutionary white-box testing. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1083–1084. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1083.pdf>.
- [Landau et al.(2005)] Landau, Sigaud, & Schoenauer] Landau, S., Sigaud, O., & Schoenauer, M. (2005). Atmosferes revisited. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1867–1874. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1867.pdf>.
- [Lanzi et al.(2005a)]Lanzi, Loiacono, Wilson, & Goldberg] Lanzi, P. L., Loiacono, D., Wilson, S. W., & Goldberg, D. E. (2005a). Extending xcsf beyond linear approximation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1827–1834. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1827.pdf>.
- [Lanzi et al.(2005b)]Lanzi, Loiacono, Wilson, & Goldberg] Lanzi, P. L., Loiacono, D., Wilson, S. W., & Goldberg, D. E. (2005b). Xcs with computed prediction in multistep environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1859–1866. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1859.pdf>.
- [Lasarczyk & Banzhaf(2005)] Lasarczyk, C. W. G. & Banzhaf, W. (2005). Total synthesis of algorithmic chemistries. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1635–1640. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1635.pdf>.
- [Le&#243;n-Barranco et al.(2005)]Le&#243;n-Barranco, Barajas, & Reyes] Le&#243;n-Barranco, A., Barajas, S. E., & Reyes, C. A. (2005). Argen + arepo: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1597–1598. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1597.pdf>.
- [Lee & Bulitko(2005)] Lee, G. & Bulitko, V. (2005). Gamm: genetic algorithms with meta-models for vision. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2029–2036. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2029.pdf>.
- [Legg & Hutter(2005)] Legg, S. & Hutter, M. (2005). Fitness uniform deletion: a simple way to preserve diversity. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.



- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1271–1278. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1271.pdf>.
- [Lehmann & Kaufmann(2005)] Lehmann, K. A. & Kaufmann, M. (2005). Evolutionary algorithms for the self-organized evolution of networks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 563–570. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p563.pdf>.
- [Li et al.(2005)Li, Azarm, & Aute] Li, M., Azarm, S., & Aute, V. (2005). A multi-objective genetic algorithm for robust design optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 771–778. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p771.pdf>.
- [Li(2005)] Li, X. (2005). Efficient differential evolution using speciation for multimodal function optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 873–880. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p873.pdf>.
- [Liang et al.(2005)Liang, Lee, & Wu] Liang, H.-L., Lee, C., & Wu, J.-S. (2005). Multiplex pcr primer design for gene family using genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 67–74. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p67.pdf>.
- [Lim & Sim(2005)] Lim, C. & Sim, E. (2005). Production planning in manufacturing/remanufacturing environment using genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2217–2218. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2217.pdf>.
- [Lima et al.(2005)Lima, Sastry, Goldberg, & Lobo] Lima, C. F., Sastry, K., Goldberg, D. E., & Lobo, F. G. (2005). Combining competent crossover and mutation operators: a probabilistic model building approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 735–742. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p735.pdf>.
- [Lin et al.(2005)Lin, Huang, Huang, & Horng] Lin, F.-M., Huang, H.-D., Huang, H.-Y., & Horng, J.-T. (2005). Primer design for multiplex pcr using a genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl,

- T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 475–476. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p475.pdf>.
- [Liu *et al.*(2005)Liu, Chen, Chen, Hwang, & Ho] Liu, B.-F., Chen, H.-M., Chen, J.-H., Hwang, S.-F., & Ho, S.-Y. (2005). Meswarm: memetic particle swarm optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 267–268. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p267.pdf>.
- [Liu & Lampinen(2005)] Liu, J. & Lampinen, J. (2005). A differential evolution based incremental training method for rbf networks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 881–888. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p881.pdf>.
- [Llorca(2005a)] Llorca, X., Sastry, K., & Goldberg, D. E. (2005a). The compact classifier system: motivation, analysis, and first results. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1993–1994. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>.
- [Llorca(2005b)] Llorca, X., Sastry, K., Goldberg, D. E., Gupta, A., & Lakshmi, L. (2005b). Combating user fatigue in igas: partial ordering, support vector machines, and synthetic fitness. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1363–1370. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1363.pdf>.
- [Looks *et al.*(2005)Looks, Goertzel, & Pennachin] Looks, M., Goertzel, B., & Pennachin, C. (2005). Learning computer programs with the bayesian optimization algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 747–748. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p747.pdf>.
- [Luke(2005)] Luke, S. (2005). Evolutionary computation and the c-value paradox. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 91–97. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p91.pdf>.
- [Lunacek *et al.*(2005)Lunacek, Whitley, & Knight] Lunacek, M., Whitley, D., & Knight, J. N. (2005). Measuring mobility and the performance of global search algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1209–1216. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1209.pdf>.

- [Luo *et al.*(2005)Luo, Heywood, & Zincir-Heywood] Luo, X., Heywood, M. I., & Zincir-Heywood, A. N. (2005). Evolving recurrent models using linear gp. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1787–1788. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1787.pdf>.
- [Lyman & Lewandowski(2005)] Lyman, M. & Lewandowski, G. (2005). Genetic programming for association rules on card sorting data. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1551–1552. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1551.pdf>.
- [Majeed *et al.*(2005)Majeed, Ryan, & Azad] Majeed, H., Ryan, C., & Azad, R. M. A. (2005). Evaluating gp schema in context. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1773–1774. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1773.pdf>.
- [Martin(2005)] Martin, J. G. (2005). Subproblem optimization by gene correlation with singular value decomposition. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1507–1514. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1507.pdf>.
- [Massey *et al.*(2005)Massey, Clark, & Stepney] Massey, P., Clark, J. A., & Stepney, S. (2005). Evolution of a human-competitive quantum fourier transform algorithm using genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1657–1663. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1657.pdf>.
- [Matos *et al.*(2005)Matos, Suzuki, & Arita] Matos, A., Suzuki, R., & Arita, T. (2005). Evolutionary models for maternal effects in simulated developmental systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 149–150. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p149.pdf>.
- [McLoughlin, III & Cede(2005)] McLoughlin, III, J. F. & Cede, W. (2005). The enhanced evolutionary tabu search and its application to the quadratic assignment problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 975–982. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p975.pdf>.
- [McMinn & Holcombe(2005)] McMinn, P. & Holcombe, M. (2005). Evolutionary testing of state-based programs. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.

- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1013–1020. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1013.pdf>.
- [McPartland *et al.*(2005)McPartland, Nolfi, & Abbass] McPartland, M., Nolfi, S., & Abbass, H. A. (2005). Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 51–58. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p51.pdf>.
- [McPhee & Crane(2005)] McPhee, N. F. & Crane, E. F. (2005). A theoretical analysis of the hiff problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1153–1160. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1153.pdf>.
- [Meekhof & Heckendorn(2005)] Meekhof, T. & Heckendorn, R. B. (2005). Using evolutionary optimization to improve markov-based classification with limited training data. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2211–2212. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2211.pdf>.
- [Mellor(2005)] Mellor, D. (2005). A first order logic classifier system. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1819–1826. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1819.pdf>.
- [Mezura-Montes *et al.*(2005)Mezura-Montes, Velázquez-Reyes, & Coello Coello] Mezura-Montes, E., Velázquez-Reyes, J., & Coello Coello, C. A. (2005). Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 225–232. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p225.pdf>.
- [Mierswa(2005)] Mierswa, I. (2005). Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3d design of process plants. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1985–1992. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1985.pdf>.
- [Monson & Seppi(2005a)] Monson, C. K. & Seppi, K. D. (2005a). Bayesian optimization models for particle swarms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W.



- Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 193–200. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p193.pdf>.
- [Monson & Seppi(2005b)] Monson, C. K. & Seppi, K. D. (2005b). Exposing origin-seeking bias in pso. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 241–248. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p241.pdf>.
- [Montana & Redi(2005)] Montana, D. & Redi, J. (2005). Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1993–1998. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1993.pdf>.
- [Moore(2005)] Moore, F. W. (2005). A genetic algorithm for optimized reconstruction of quantized one-dimensional signals. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1599–1600. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1599.pdf>.
- [Mori *et al.*(2005)] Mori, Takeda, & Matsumoto] Mori, N., Takeda, M., & Matsumoto, K. (2005). A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1485–1492. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1485.pdf>.
- [Murata & Nakamura(2005)] Murata, T. & Nakamura, T. (2005). Genetic network programming with automatically defined groups for assigning proper roles to multiple agents. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1705–1712. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1705.pdf>.
- [Murata & Yamaguchi(2005)] Murata, T. & Yamaguchi, M. (2005). Neighboring crossover to improve ga-based q-learning method for multi-legged robot control. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 145–146. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p145.pdf>.
- [Nashvili *et al.*(2005)] Nashvili, Olhofer, & Sendhoff] Nashvili, M., Olhofer, M., & Sendhoff, B. (2005). Morphing methods in evolutionary design optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule,

- A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 897–904. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p897.pdf>.
- [Nassu *et al.*(2005)Nassu, Duarte, Jr., & Pozo] Nassu, B. T., Duarte, Jr., E. P., & Pozo, A. T. R. (2005). A comparison of evolutionary algorithms for system-level diagnosis. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2053–2060. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2053.pdf>.
- [Neumann & Wegener(2005)] Neumann, F. & Wegener, I. (2005). Minimum spanning trees made easier via multi-objective optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 763–769. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p763.pdf>.
- [Noman & Iba(2005a)] Noman, N. & Iba, H. (2005a). Enhancing differential evolution performance with local search for high dimensional function optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 967–974. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p967.pdf>.
- [Noman & Iba(2005b)] Noman, N. & Iba, H. (2005b). Inference of gene regulatory networks using s-system and differential evolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 439–446. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p439.pdf>.
- [Nummela & Julstrom(2005)] Nummela, J. & Julstrom, B. A. (2005). Evolving petri nets to represent metabolic pathways. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2133–2139. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2133.pdf>.
- [Nunn & White(2005)] Nunn, I. & White, T. (2005). The application of antigenic search techniques to time series forecasting. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 353–360. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p353.pdf>.
- [Ohnishi & Yoshida(2005)] Ohnishi, K. & Yoshida, K. (2005). Evolutionary change in developmental timing. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1561–1562. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1561.pdf>.

- [Ondas *et al.*(2005)Ondas, Pelikan, & Sastry] Ondas, R., Pelikan, M., & Sastry, K. (2005). Scalability of genetic programming and probabilistic incremental program evolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1785–1786. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1785.pdf>.
- [Ong *et al.*(2005)Ong, Saunders, Keyser, & Leggett] Ong, T. J., Saunders, R., Keyser, J., & Leggett, J. J. (2005). Terrain generation using genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1463–1470. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1463.pdf>.
- [Pakhira & De(2005)] Pakhira, M. K. & De, R. K. (2005). A hardware pipeline for function optimization using genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 949–956. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p949.pdf>.
- [Pardoe *et al.*(2005)Pardoe, Ryoo, & Miikkulainen] Pardoe, D., Ryoo, M., & Miikkulainen, R. (2005). Evolving neural network ensembles for control problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1379–1384. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1379.pdf>.
- [Parker & Georgescu(2005)] Parker, G. & Georgescu, R. (2005). Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 147–148. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p147.pdf>.
- [Paszynska(2005)] Paszynska, A. (2005). An extension of vose's markov chain model for genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1553–1554. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1553.pdf>.
- [Paul *et al.*(2005)Paul, Lipson, & Cuevas] Paul, C., Lipson, H., & Cuevas, F. J. V. (2005). Evolutionary form-finding of tensegrity structures. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 3–10. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p3.pdf>.
- [Paul & Iba(2005)] Paul, T. K. & Iba, H. (2005). Extraction of informative genes from microarray data. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis,

- M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 453–460. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p453.pdf>.
- [Payne & Eppstein(2005)] Payne, J. L. & Eppstein, M. J. (2005). A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 377–384. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p377.pdf>.
- [Pe&#241;a et al.(2005)Pe&#241;a, Rionda, & Aguirre] Pe&#241;a, S. I. V., Rionda, S. B., & Aguirre, A. H. (2005). Multiobjective shape optimization with constraints based on estimation distribution algorithms and correlated information. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 749–750. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p749.pdf>.
- [Pelikan et al.(2005)Pelikan, Sastry, & Goldberg] Pelikan, M., Sastry, K., & Goldberg, D. E. (2005). Multiobjective hboa, clustering, and scalability. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 663–670. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p663.pdf>.
- [Perelman & Ostfeld(2005)] Perelman, L. & Ostfeld, A. (2005). Water distribution systems optimal design using cross entropy. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 647–648. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p647.pdf>.
- [Peterson et al.(2005)Peterson, Doom, & Raymer] Peterson, M. R., Doom, T. E., & Raymer, M. L. (2005). Ga-facilitated classifier optimization with varying similarity measures. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1549–1550. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1549.pdf>.
- [Pham(2005)] Pham, Q. T. (2005). Evolutionary optimization of dynamic control problems accelerated by progressive step reduction. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2181–2187. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2181.pdf>.
- [Phienthrakul & Kijssirikul(2005)] Phienthrakul, T. & Kijssirikul, B. (2005). Evolutionary strategies for multi-scale radial basis function kernels in support vector machines. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the*



- 2005 conference on Genetic and evolutionary computation. Washington DC, USA: ACM Press, vol. 1, 905–911. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p905.pdf>.
- [Philemotte & Bersini(2005)] Philemotte, C. & Bersini, H. (2005). Intrinsic emergence boosts adaptive capacity. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 559–560. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p559.pdf>.
- [Pillay(2005)] Pillay, N. (2005). An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1781–1782. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1781.pdf>.
- [Poladian(2005)] Poladian, L. (2005). A ga for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 415–422. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p415.pdf>.
- [Poli *et al.*(2005)] Poli, Di Chio, & Langdon] Poli, R., Di Chio, C., & Langdon, W. B. (2005). Exploring extended particle swarms: a genetic programming approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 169–176. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p169.pdf>.
- [Poli & Langdon(2005)] Poli, R. & Langdon, W. B. (2005). Backward-chaining genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1777–1778. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1777.pdf>.
- [Popovici & De Jong(2005)] Popovici, E. & De Jong, K. (2005). Understanding cooperative co-evolutionary dynamics via simple fitness landscapes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 507–514. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p507.pdf>.
- [Preuss *et al.*(2005)] Preuss, Sch&#246;nemann, & Emmerich] Preuss, M., Sch&#246;nemann, L., & Emmerich, M. (2005). Counteracting genetic drift and disruptive recombination in (&#956;pluskoma&#955;)-ea on multimodal fitness landscapes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 865–872. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p865.pdf>.

- [Prodan *et al.*(2005)Prodan, Udrescu, & Vladutiu] Prodan, L., Udrescu, M., & Vladutiu, M. (2005). Multiple-level concatenated coding in embryonics: a dependability analysis. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 941–948. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p941.pdf>.
- [Quintana *et al.*(2005)Quintana, Luque, & Isasi] Quintana, D., Luque, C., & Isasi, P. (2005). Evolutionary rule-based system for ipo underpricing prediction. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 983–989. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p983.pdf>.
- [Rand & Riolo(2005)] Rand, W. & Riolo, R. (2005). The problem with a self-adaptative mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1493–1500. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1493.pdf>.
- [Raquel & Naval, Jr.(2005)] Raquel, C. R. & Naval, Jr., P. C. (2005). An effective use of crowding distance in multiobjective particle swarm optimization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 257–264. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p257.pdf>.
- [Ravichandran *et al.*(2005)Ravichandran, Gandhe, & Smith] Ravichandran, B., Gandhe, A., & Smith, R. E. (2005). Xcs for robust automatic target recognition. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1803–1810. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1803.pdf>.
- [Reis *et al.*(2005)Reis, Machado, & Cunha] Reis, C., Machado, J. A. T., & Cunha, J. B. (2005). Fractional dynamic fitness functions for ga-based circuit design. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1571–1572. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1571.pdf>.
- [Ressom *et al.*(2005)Ressom, Varghese, Saha, Orvisky, Goldman, Petricoin, Conrads, Veenstra, Abdel-Hamid, Loffredo, & R. S. (2005). Particle swarm optimization for analysis of mass spectral serum profiles. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 431–438. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p431.pdf>.

- [Richards *et al.*(2005)Richards, Whitley, Beveridge, Mytkowicz, Nguyen, & Rome] Richards, M. D., Whitley, D., Beveridge, J. R., Mytkowicz, T., Nguyen, D., & Rome, D. (2005). Evolving cooperative strategies for uav teams. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1721–1728. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1721.pdf>.
- [Richter *et al.*(2005)Richter, Paxton, & Wright] Richter, J. N., Paxton, J., & Wright, A. (2005). Ea models and population fixed-points versus mutation rates for functions of unitation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1233–1240. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1233.pdf>.
- [Ridder & HandUber(2005)] Ridder, J. P. & HandUber, J. C. (2005). Mission planning for joint suppression of enemy air defenses using a genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1929–1936. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1929.pdf>.
- [Rieffel & Pollack(2005)] Rieffel, J. & Pollack, J. (2005). Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-d objects. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 99–106. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p99.pdf>.
- [Rothlauf *et al.*(2005)Rothlauf, Schunk, & Pfeiffer] Rothlauf, F., Schunk, D., & Pfeiffer, J. (2005). Classification of human decision behavior: finding modular decision rules with genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2021–2028. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2021.pdf>.
- [Russell & Lamont(2005)] Russell, M. A. & Lamont, G. B. (2005). A genetic algorithm for unmanned aerial vehicle routing. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1523–1530. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1523.pdf>.
- [Sait *et al.*(2005a)Sait, Faheemuddin, Minhas, & Sanaullah] Sait, S. M., Faheemuddin, M., Minhas, M. R., & Sanaullah, S. (2005a). Multiobjective vlsi cell placement using distributed genetic algorithm. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1585–1586. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1585.pdf>.

- [Sait *et al.*(2005b)] Sait, Sanaullah, Zaidi, & Ali] Sait, S. M., Sanaullah, S., Zaidi, A. M., & Ali, M. I. (2005b). Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 921–922. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p921.pdf>.
- [Sakuma & Kobayashi(2005a)] Sakuma, J. & Kobayashi, S. (2005a). Latent variable crossover for k-tablet structures and its application to lens design problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1347–1354. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1347.pdf>.
- [Sakuma & Kobayashi(2005b)] Sakuma, J. & Kobayashi, S. (2005b). Real-coded crossover as a role of kernel density estimation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 703–710. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p703.pdf>.
- [Samples *et al.*(2005)] Samples, Daida, Byom, & Pizzimenti] Samples, M. E., Daida, J. M., Byom, M., & Pizzimenti, M. (2005). Parameter sweeps for exploring gp parameters. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1791–1792. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1791.pdf>.
- [Samsonovich & De Jong(2005)] Samsonovich, A. V. & De Jong, K. A. (2005). Pricing the 'free lunch' of meta-evolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1355–1362. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1355.pdf>.
- [Sanchez *et al.*(2005)] Sanchez, Schillaci, Reorda, Squillero, Sterpone, & Violante] Sanchez, E., Schillaci, M., Reorda, M. S., Squillero, G., Sterpone, L., & Violante, M. (2005). New evolutionary techniques for test-program generation for complex microprocessor cores. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2193–2194. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2193.pdf>.
- [Sastry *et al.*(2005)] Sastry, Abbass, Goldberg, & Johnson] Sastry, K., Abbass, H. A., Goldberg, D. E., & Johnson, D. D. (2005). Sub-structural niching in estimation of distribution algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 671–678. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p671.pdf>.



- [Sato & Kanno(2005)] Sato, Y. & Kanno, R. (2005). Event-driven learning classifier systems for online soccer games. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2201–2202. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2201.pdf>.
- [Sch&#246;nemann(2005)] Sch&#246;nemann, L. (2005). Optimal number of evolution strategies mutation step sizes in dynamic environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 923–924. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p923.pdf>.
- [Scheutz & Schermerhorn(2005)] Scheutz, M. & Schermerhorn, P. (2005). Predicting population dynamics and evolutionary trajectories based on performance evaluations in alive simulations. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 35–42. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p35.pdf>.
- [Schlessinger *et al.*(2005)] Schlessinger, E., Bentley, P. J., & Lotto, R. B. (2005). Evolving visually guided agents in an ambiguous virtual world. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 115–120. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p115.pdf>.
- [Schlichter *et al.*(2005)] Schlichter, T., Haubelt, C., & Teich, J. (2005). Improving ea-based design space exploration by utilizing symbolic feasibility tests. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1945–1952. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1945.pdf>.
- [Schmickl *et al.*(2005)] Schmickl, T., Thenius, R., & Crailsheim, K. (2005). Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 273–274. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p273.pdf>.
- [Schmitt(2005)] Schmitt, K. (2005). Using gene deletion and gene duplication in evolution strategies. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 919–920. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p919.pdf>.

- [Schmitt *et al.*(2005)Schmitt, Mehnen, & Michelitsch] Schmitt, K., Mehnen, J., & Michelitsch, T. (2005). Using predators and preys in evolution strategies. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 827–828. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p827.pdf>.
- [Schonfeld & Ashlock(2005)] Schonfeld, J. & Ashlock, D. (2005). A study of evolutionary robustness in stochastically tiled polyominoes. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 19–26. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p19.pdf>.
- [Seehuus *et al.*(2005)Seehuus, Tveit, & Edsberg] Seehuus, R., Tveit, A., & Edsberg, O. (2005). Discovering biological motifs with genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 401–408. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p401.pdf>.
- [Seeluangsawat & Chongstitvatana(2005)] Seeluangsawat, P. & Chongstitvatana, P. (2005). A multiple objective evolutionary algorithm for multiple sequence alignment. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 477–478. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p477.pdf>.
- [Seng *et al.*(2005)Seng, Bauer, Biehl, & Pache] Seng, O., Bauer, M., Biehl, M., & Pache, G. (2005). Search-based improvement of subsystem decompositions. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1045–1051. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1045.pdf>.
- [Seo & Moon(2005)] Seo, D.-I. & Moon, B.-R. (2005). Computing the epistasis variance of large-scale traveling salesman problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1169–1176. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1169.pdf>.
- [Seo *et al.*(2005)Seo, Goodman, & Rosenberg] Seo, K., Goodman, E. D., & Rosenberg, R. C. (2005). Design of air pump system using bond graph and genetic programming method. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2215–2216. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2215.pdf>.
- [Settles *et al.*(2005)Settles, Nathan, & Soule] Settles, M., Nathan, P., & Soule, T. (2005). Breeding swarms: a new approach to recurrent neural network training. In H.-G. Beyer, U.-M. O'Reilly,

- D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 185–192. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p185.pdf>.
- [Settles & Soule(2005)] Settles, M. & Soule, T. (2005). Breeding swarms: a ga/pso hybrid. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 161–168. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p161.pdf>.
- [Shafti & P&#233;rez(2005)] Shafti, L. S. & P&#233;rez, E. P. (2005). Constructive induction and genetic algorithms for learning concepts with complex interaction. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1811–1818. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1811.pdf>.
- [Shakya *et al.*(2005)Shakya, McCall, & Brown] Shakya, S., McCall, J., & Brown, D. (2005). Using a markov network model in a univariate eda: an empirical cost-benefit analysis. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 727–734. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p727.pdf>.
- [Shapiro *et al.*(2005)Shapiro, Lamont, & Peterson] Shapiro, J. M., Lamont, G. B., & Peterson, G. L. (2005). An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 337–344. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p337.pdf>.
- [Shir & B&#228;ck(2005)] Shir, O. M. & B&#228;ck, T. (2005). Niching in evolution strategies. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 915–916. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p915.pdf>.
- [Silva & Costa(2005)] Silva, S. & Costa, E. (2005). Resource-limited genetic programming: the dynamic approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1673–1680. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1673.pdf>.
- [Sit & Miikkulainen(2005)] Sit, Y. F. & Miikkulainen, R. (2005). Learning basic navigation for personal satellite assistant using neuroevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M.

- Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1913–1920. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1913.pdf>.
- [Skellett *et al.*(2005)Skellett, Cairns, Geard, Tonkes, & Wiles] Skellett, B., Cairns, B., Geard, N., Tonkes, B., & Wiles, J. (2005). Maximally rugged nk landscapes contain the highest peaks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 579–584. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p579.pdf>.
- [Skolicki & De Jong(2005)] Skolicki, Z. & De Jong, K. (2005). The influence of migration sizes and intervals on island models. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1295–1302. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1295.pdf>.
- [Smith, III(2005)] Smith, III, J. F. (2005). Evolving fuzzy decision tree structure that adapts in real-time. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1737–1744. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1737.pdf>.
- [Sokolov & Whitley(2005)] Sokolov, A. & Whitley, D. (2005). Unbiased tournament selection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1131–1138. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1131.pdf>.
- [Sokolov *et al.*(2005)Sokolov, Whitley, & Lunacek] Sokolov, A., Whitley, D., & Lunacek, M. (2005). Alternative implementations of the griewangk function. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1589–1590. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1589.pdf>.
- [Soltoggio(2005)] Soltoggio, A. (2005). An enhanced ga to improve the search process reliability in tuning of control systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2165–2172. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2165.pdf>.
- [Spector *et al.*(2005)Spector, Klein, & Keijzer] Spector, L., Klein, J., & Keijzer, M. (2005). The push3 execution stack and the evolution of control. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1689–1696. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1689.pdf>.



- [Spellward & Kovacs(2005)] Spellward, P. & Kovacs, T. (2005). On the contribution of gene libraries to artificial immune systems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 313–319. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p313.pdf>.
- [Spieth *et al.*(2005)] Spieth, Streichert, Speer, & Zell] Spieth, C., Streichert, F., Speer, N., & Zell, A. (2005). Identifying valid solutions for the inference of regulatory networks. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 469–470. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p469.pdf>.
- [Stanley *et al.*(2005)] Stanley, Kohl, Sherony, & Miikkulainen] Stanley, K., Kohl, N., Sherony, R., & Miikkulainen, R. (2005). Neuroevolution of an automobile crash warning system. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1977–1984. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1977.pdf>.
- [Stevens *et al.*(2005a)] Stevens, Das, & Natarajan] Stevens, D., Das, S., & Natarajan, B. (2005a). A multi-objective algorithm for ds-cdma code design based on the clonal selection principle. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2015–2020. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2015.pdf>.
- [Stevens *et al.*(2005b)] Stevens, Heckendorn, & Soule] Stevens, J., Heckendorn, R. B., & Soule, T. (2005b). Exploiting disruption aversion to control code bloat. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1605–1612. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1605.pdf>.
- [Stibor *et al.*(2005)] Stibor, Mohr, Timmis, & Eckert] Stibor, T., Mohr, P., Timmis, J., & Eckert, C. (2005). Is negative selection appropriate for anomaly detection? In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 321–328. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p321.pdf>.
- [Storch(2005)] Storch, T. (2005). On the impact of objective function transformations on evolutionary and black-box algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 833–840. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p833.pdf>.
- [Stout & Spector(2005)] Stout, A. & Spector, L. (2005). Validation of evolutionary activity metrics for long-term evolutionary dynamics. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf,

- C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 137–142. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p137.pdf>.
- [Stringer & Wu(2005)] Stringer, H. & Wu, A. S. (2005). Behavior of finite population variable length genetic algorithms under random selection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1249–1255. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1249.pdf>.
- [Sudholt(2005)] Sudholt, D. (2005). Crossover is provably essential for the ising model on trees. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1161–1167. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1161.pdf>.
- [Sureka & Wurman(2005)] Sureka, A. & Wurman, P. R. (2005). Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2097–2103. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2097.pdf>.
- [Sutton *et al.*(2005)] Sutton, A., Kagdi, H., Maletic, J. I., & Volkert, L. G. (2005). Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1079–1080. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1079.pdf>.
- [Szumlanski *et al.*(2005)] Szumlanski, S. R., Wu, A. S., & Hughes, C. E. (2005). Collaborative interactive evolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2199–2200. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2199.pdf>.
- [Talaie *et al.*(2005)] Talaie, S., Leigh, R., Louis, S. J., & Raines, G. L. (2005). Predicting mining activity with parallel genetic algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2149–2155. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2149.pdf>.
- [Tanev(2005)] Tanev, I. (2005). Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P.

- Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 687–694. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p687.pdf>.
- [Tang *et al.*(2005)Tang, Lim, Ong, & Er] Tang, J., Lim, M. H., Ong, Y. S., & Er, M. J. (2005). Solving large scale combinatorial optimization using pma-sls. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 621–628. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p621.pdf>.
- [Tang & Jarvis(2005)] Tang, K. W. & Jarvis, R. A. (2005). From supervised ranking to evolving behaviours of a robotic team. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1325–1332. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1325.pdf>.
- [Terashima-Mar&#237;n *et al.*(2005)Terashima-Mar&#237;n, Flores-&#193;lvarez, & Ross] Terashima-Mar&#237;n, H., Flores-&#193;lvarez, E. J., & Ross, P. (2005). Hyper-heuristics and classifier systems for solving 2d-regular cutting stock problems. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 637–643. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p637.pdf>.
- [Thierens(2005)] Thierens, D. (2005). An adaptive pursuit strategy for allocating operator probabilities. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1539–1546. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1539.pdf>.
- [Townsend *et al.*(2005)Townsend, Hazel, & Smock] Townsend, G. C., Hazel, W. N., & Smock, R. (2005). Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in *chthamalus anisopoma*. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 409–414. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p409.pdf>.
- [Tumer & Agogino(2005)] Tumer, K. & Agogino, A. (2005). Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 591–598. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p591.pdf>.
- [Uyar & Eryi&#287;it(2005)] Uyar, S. & Eryi&#287;it, G. (2005). Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.),

- GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1257–1264. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1257.pdf>.
- [Valsalam *et al.*(2005)Valsalam, Bednar, & Miikkulainen] Valsalam, V., Bednar, J., & Miikkulainen, R. (2005). Constructing good learners using evolved pattern generators. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 11–18. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p11.pdf>.
- [Vigraham *et al.*(2005)Vigraham, Gallagher, & Boddhu] Vigraham, S. A., Gallagher, J. C., & Boddhu, S. K. (2005). Evolving analog controllers for correcting thermoacoustic instability in real hardware. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 933–940. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p933.pdf>.
- [Vrajitoru & DeBoni(2005)] Vrajitoru, D. & DeBoni, J. (2005). Hybrid real-coded mutation for genetic algorithms applied to graph layouts. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1563–1564. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1563.pdf>.
- [Walker & Miller(2005)] Walker, J. A. & Miller, J. F. (2005). Investigating the performance of module acquisition in cartesian genetic programming. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1649–1656. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1649.pdf>.
- [Wang *et al.*(2005)Wang, Rahman, & Wong] Wang, Z.-G., Rahman, M., & Wong, Y.-S. (2005). Multi-niche crowding in the development of parallel genetic simulated annealing. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1555–1556. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1555.pdf>.
- [Wappler & Lammermann(2005)] Wappler, S. & Lammermann, F. (2005). Using evolutionary algorithms for the unit testing of object-oriented software. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1053–1060. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1053.pdf>.
- [Watanabe & Sakakibara(2005)] Watanabe, S. & Sakakibara, K. (2005). The effectiveness of multiobjective optimizer in single-objective optimization environment. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 829–830. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p829.pdf>.



- [Wedde *et al.*(2005)Wedde, Farooq, Pannenbaecker, Vogel, Mueller, Meth, & Jeruschkat] Wedde, H. F., Farooq, M., Pannenbaecker, T., Vogel, B., Mueller, C., Meth, J., & Jeruschkat, R. (2005). Beedhac: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 153–160. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p153.pdf>.
- [Whiteson *et al.*(2005)Whiteson, Stone, Stanley, Miikkulainen, & Kohl] Whiteson, S., Stone, P., Stanley, K. O., Miikkulainen, R., & Kohl, N. (2005). Automatic feature selection in neuroevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1225–1232. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1225.pdf>.
- [Whiting *et al.*(2005)Whiting, Poon, & Carter] Whiting, P., Poon, P. W., & Carter, J. N. (2005). A genetic algorithm approach to the selection of near-optimal subsets from large sets. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2203–2204. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2203.pdf>.
- [Wierstra *et al.*(2005)Wierstra, Gomez, & Schmidhuber] Wierstra, D., Gomez, F. J., & Schmidhuber, J. (2005). Modeling systems with internal state using evoluno. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1795–1802. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1795.pdf>.
- [Wiese *et al.*(2005)Wiese, Hendriks, Desch&#234;nes, & Youssef] Wiese, K. C., Hendriks, A., Desch&#234;nes, A., & Youssef, B. B. (2005). The impact of pseudorandom number quality on p-napredict, a parallel genetic algorithm for rna secondary structure prediction. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 479–480. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p479.pdf>.
- [Wight & Zhang(2005)] Wight, J. & Zhang, Y. (2005). An "ageing"operator and its use in the highly constrained topological optimization of hvac system design. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2075–2082. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2075.pdf>.
- [Williams & Mitchell(2005)] Williams, N. & Mitchell, M. (2005). Investigating the success of spatial coevolution. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*.

Washington DC, USA: ACM Press, vol. 1, 523–530. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p523.pdf>.

- [Wilson & Heywood(2005)] Wilson, G. & Heywood, M. (2005). Use of a genetic algorithm in brill's transformation-based part-of-speech tagger. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2067–2073. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2067.pdf>.
- [Wright & Pulavarty(2005)] Wright, A. H. & Pulavarty, S. (2005). On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 695–702. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p695.pdf>.
- [Wu & Chung(2005)] Wu, J.-Y. & Chung, Y.-K. (2005). Artificial immune system for solving generalized geometric problems: a preliminary results. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 329–336. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p329.pdf>.
- [Xu et al.(2005)] Xu, K., Louis, S. J., & Mancini, R. C. (2005). A scalable parallel genetic algorithm for x-ray spectroscopic analysis. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 811–816. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p811.pdf>.
- [Yanai & Iba(2005)] Yanai, K. & Iba, H. (2005). Probabilistic distribution models for eda-based gp. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1775–1776. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1775.pdf>.
- [Yang(2005a)] Yang, S. (2005a). Memory-based immigrants for genetic algorithms in dynamic environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1115–1122. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1115.pdf>.
- [Yang(2005b)] Yang, S. (2005b). Population-based incremental learning with memory scheme for changing environments. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 711–718. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p711.pdf>.

- [Yilmaz & Wu(2005)] Yilmaz, A. S. & Wu, A. S. (2005). Preservation of genetic redundancy in the existence of developmental error and fitness assignment error. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1317–1324. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1317.pdf>.
- [Yilmaz et al.(2005)] Yilmaz, S., Ivanov, K., & Levine, S. (2005). Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1477–1483. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1477.pdf>.
- [Yoon et al.(2005)] Yoon, Y., Kim, Y.-H., & Moon, B.-R. (2005). An evolutionary lagrangian method for the 0/1 multiple knapsack problem. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 629–635. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p629.pdf>.
- [Yossi & Poli(2005)] Yossi, B. & Poli, R. (2005). Information landscapes and the analysis of search algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1287–1294. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1287.pdf>.
- [Yu et al.(2005)] Yu, T.-L., Sastry, K., & Goldberg, D. E. (2005). Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1217–1224. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1217.pdf>.
- [Yuan & Gallagher(2005)] Yuan, B. & Gallagher, M. (2005). On the importance of diversity maintenance in estimation of distribution algorithms. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 719–726. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p719.pdf>.
- [Yuan et al.(2005)] Yuan, B., Gallagher, M., & Crozier, S. (2005). Mri magnet design: search space analysis, edas and a real-world problem with significant dependencies. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 2141–2148. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p2141.pdf>.

- [Zavala *et al.*(2005)Zavala, Aguirre, & Diharce] Zavala, A. E. M., Aguirre, A. H., & Diharce, E. R. V. (2005). Constrained optimization via particle evolutionary swarm optimization algorithm (peso). In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 209–216. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p209.pdf>.
- [Zechman & Ranjithan(2005)] Zechman, E. M. & Ranjithan, S. R. (2005). Multipopulation cooperative coevolutionary programming (mccp) to enhance design innovation. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1641–1648. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1641.pdf>.
- [Zhan & Clark(2005)] Zhan, Y. & Clark, J. A. (2005). Search-based mutation testing for simulink models. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 1061–1068. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1061.pdf>.
- [Zhang & Jang(2005)] Zhang, B.-T. & Jang, H.-Y. (2005). Molecular programming: evolving genetic programs in a test tube. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1761–1768. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1761.pdf>.
- [Zhang & Rasheed(2005)] Zhang, C. & Rasheed, K. (2005). Improving ga search reliability using maximal hyper-rectangle analysis. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1185–1192. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1185.pdf>.
- [Zhang *et al.*(2005)Zhang, Chung, & Zhong] Zhang, J., Chung, H. S. H., & Zhong, J. (2005). Adaptive crossover and mutation in genetic algorithms based on clustering technique. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 2, 1577–1578. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p1577.pdf>.
- [Zhang & Rockett(2005)] Zhang, Y. & Rockett, P. I. (2005). Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection. In H.-G. Beyer, U.-M. O'Reilly, D. V. Arnold, W. Banzhaf, C. Blum, E. W. Bonabeau, E. Cantu-Paz, D. Dasgupta, K. Deb, J. A. Foster, E. D. de Jong, H. Lipson, X. Llorca, S. Mancoridis, M. Pelikan, G. R. Raidl, T. Soule, A. M. Tyrrell, J.-P. Watson, & E. Zitzler (Eds.), *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. Washington DC, USA: ACM Press, vol. 1, 795–802. URL <http://www.cs.bham.ac.uk/~wbl/biblio/gecco2005/docs/p795.pdf>.