Список литературы

- [AAD] Enrique Alba, Hugo Alfonso, and Bernabé Dorronsoro. Advanced models of cellular genetic algorithms evaluated on sat. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1123–1130, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AGF] Salem F. Adra, Ian Griffin, and Peter J. Fleming. Hybrid multiobjective genetic algorithm with a new adaptive local search process. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1009–1010, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AH] Ján Antolík and William H. Hsu. Evolutionary tree genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1789–1790, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Ahr] Barry Ahrens. Genetic algorithm optimization of superresolution parameters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2083–2088, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AI] Fatih Alim and Kostadin Ivanov. Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2191–2192, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AK1] Shin Ando and Shigenobu Kobayashi. Fitness-based neighbor selection for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1573–1574, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AK2] Daniel Ashlock and Eun-Youn Kim. The impact of cellular representation on finite state agents for prisoner's dilemma. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar

Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 59–66, Washington DC, USA, 25-29 June 2005. ACM Press.

- [AOR] Chang Wook Ahn, Sanghoun Oh, and R. S. Ramakrishna. On the practical genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1583–1584, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AR] Heni Ben Amor and Achim Rettinger. Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1531–1538, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ARD] Jesús S. Aguilar-Ruiz and Federico Divina. Ga-based approach to discover meaningful biclusters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 473–474, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ASK] Shin Ando, Jun Sakuma, and Shigenobu Kobayashi. Adaptive isolation model using data clustering for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1417—1424, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AST] Anne Auger, Marc Schoenauer, and Olivier Teytaud. Local and global order 3/2 convergence of a surrogate evolutionary algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 857–864, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ATM] Adrian Agogino, Kagan Tumer, and Risto Miikkulainen. Efficient credit assignment through evaluation function decomposition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1309—1316, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Auw] Surapong Auwatanamongkol. Inexact pattern matching using genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1567–1568, Washington DC, USA, 25-29 June 2005. ACM Press.
- [AWW] Michael Affenzeller, Stefan Wagner, and Stephan Winkler. Goal-oriented preservation of essential genetic information by offspring selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1595–1596, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Bac] Jaume Bacardit. Analysis of the initialization stage of a pittsburgh approach learning classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1843–1850, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BAE] Lam T. Bui, Hussein A. Abbass, and Daryl Essam. Fitness inheritance for noisy evolutionary multi-objective optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 779–785, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BB] R. Breukelaar and Th. Bäck. Using a genetic algorithm to evolve behavior in multi dimensional cellular automata: emergence of behavior. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 107–114, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BBA] Lam T. Bui, Jürgen Branke, and Hussein A. Abbass. Diversity as a selection pressure in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1557–1558, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BBS] Julien Budynek, Eric Bonabeau, and Ben Shargel. Evolving computer intrusion scripts for vulnerability assessment and log analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M.

Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1905–1912, Washington DC, USA, 25-29 June 2005. ACM Press.

- [BBW] Lucas Bradstreet, Luigi Barone, and Lyndon While. Map-labelling with a multi-objective evolutionary algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1937–1944, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BC1] Ricardo Landa Becerra and Carlos A. Coello Coello. Optimization with constraints using a cultured differential evolution approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 27–34, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BC2] Thang N. Bui and Mufit Colpan. Solving geometric tsp with ants. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 271–272, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Bd] Peter A. N. Bosman and Edwin D. de Jong. Exploiting gradient information in numerical multi-objective evolutionary optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 755–762, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BL1] Helio J.C. Barbosa and Afonso C.C. Lemonge. A genetic algorithm encoding for a class of cardinality constraints. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1193–1200, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BL2] Josh C. Bongard and Hod Lipson. 'managed challenge' alleviates disengagement in coevolutionary system identification. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 531–538, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BLS] Lionel C. Briand, Yvan Labiche, and Marwa Shousha. Stress testing real-time systems with genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang

Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1021–1028, Washington DC, USA, 25-29 June 2005. ACM Press.

- [BNC⁺] R. Bello, A. Nowe, Y. Caballero, Y. Gómez, and P. Vrancx. A model based on ant colony system and rough set theory to feature selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 275–276, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BOA⁺] Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors. GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Bor] István Borgulya. A hybrid evolutionary algorithm for the p-median problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 649–650, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BP1] Yossi Borenstein and Riccardo Poli. Information landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1515–1522, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BP2] Yossi Borenstein and Riccardo Poli. Information landscapes and problem hardness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1425–1431, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BP3] Anthony Bucci and Jordan B. Pollack. On identifying global optima in cooperative coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 539–544, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BPD] Jeffrey K. Bassett, Mitchell A. Potter, and Kenneth A. De Jong. Applying price's equation to survival selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang

Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1371–1378, Washington DC, USA, 25-29 June 2005. ACM Press.

- [BPLG] Martin V. Butz, Martin Pelikan, Xavier Llorà, and David E. Goldberg. Extracted global structure makes local building block processing effective in xcs. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 655–662, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BS1] Sireesha Besetti and Terence Soule. Function choice, resiliency and growth in genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1771–1772, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BS2] Will Browne and Dan Scott. An abstraction agorithm for genetics-based reinforcement learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1875–1882, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BS3] Thang N. Bui and Gnanasekaran Sundarraj. An efficient genetic algorithm for predicting protein tertiary structures in the 2d hp model. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 385–392, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BSd⁺] Anthony Brabazon, Arlindo Silva, Tiago Ferra de Sousa, Michael O'Neill, Robin Matthews, and Ernesto Costa. Agent-based modelling of product invention. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 129–136, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BSiU] Jürgen Branke, Erdem Salihoğlu, and Şima Uyar. Towards an analysis of dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the

2005 conference on Genetic and evolutionary computation, volume 2, pages 1433–1440, Washington DC, USA, 25-29 June 2005. ACM Press.

- [BT1] Johan Berntsson and Maolin Tang. Adaptive sizing of populations and number of islands in distributed genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1575–1576, Washington DC, USA, 25-29 June 2005. ACM Press.
- [BT2] Johan Berntsson and Maolin Tang. Dynamic optimization of migration topology in internet-based distributed genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1579–1580, Washington DC, USA, 25-29 June 2005. ACM Press.
- [But] Martin V. Butz. Kernel-based, ellipsoidal conditions in the real-valued xcs classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1835–1842, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CCW] D. E. Cairns, G. J. Cameron, and T. J. Wess. Evolving an improved axial structure for fibrillar collagen. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 471–472, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CENS] Emma Carter, Steve Ebdon, and Clive Neal-Sturgess. Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2113–2120, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CHG] Jian-Hung Chen, Shinn-Ying Ho, and David E. Goldberg. Quality-time analysis of multiobjective evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V.
 Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar
 Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier
 Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M.
 Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the
 2005 conference on Genetic and evolutionary computation, volume 2, pages 1455–1462,
 Washington DC, USA, 25-29 June 2005. ACM Press.
- [CJK] Sung-Soon Choi, Kyomin Jung, and Jeong Han Kim. Phase transition in a random nk landscape model. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang

Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1241–1248, Washington DC, USA, 25-29 June 2005. ACM Press.

- [CMS] Yoon-Seok Choi, Byung-Ro Moon, and Sang Yong Seo. Genetic fuzzy discretization with adaptive intervals for classification problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2037—2043, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Col] M. Collins. Finding needles in haystacks is harder with neutrality. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1613–1618, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CP] Stephen Chen and Gregory Pitt. Isolating the benefits of respect. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1601–1602, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CPD⁺] David M. Cherba, William Punch, Phil Duxbury, Simon Billinge, and Pavol Juhas. Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1565–1566, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CPEV] Gerardo Canfora, Massimiliano Di Penta, Raffaele Esposito, and Maria Luisa Villani. An approach for qos-aware service composition based on genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1069–1075, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CSD⁺] Grant Cochenour, Jerad Simon, Sanjoy Das, Anil Pahwa, and Surasish Nag. A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings

- of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2127–2132, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CSJL] Lin Cong, Yuheng Sha, Licheng Jiao, and Fang Liu. Directional self-learning of genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1569–1570, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CSR] Dongsheng Che, Yinglei Song, and Khaled Rasheed. Mdga: motif discovery using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 447–452, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CST] Rachel Cavill, Steve Smith, and Andy Tyrrell. Multi-chromosomal genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1753–1759, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CV] Flor A. Castillo and Carlos M. Villa. Symbolic regression in multicollinearity problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2207–2208, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CVF] Renato Reder Cazangi, Fernando J. Von Zuben, and Maurício F. Figueiredo. Autonomous navigation system applied to collective robotics with ant-inspired communication. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 121–128, Washington DC, USA, 25-29 June 2005. ACM Press.
- [CZ] Zhihua Cui and Jianchao Zeng. A modified particle swarm optimization predicted by velocity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 277–278, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Dai] Jason M. Daida. Towards identifying populations that increase the likelihood of success in genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang

Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1627–1634, Washington DC, USA, 25-29 June 2005. ACM Press.

- [DAL] Hai H. Dam, Hussein A. Abbass, and Chris Lokan. Dxcs: an xcs system for distributed data mining. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1883–1890, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DB] Jan Drugowitsch and Alwyn M. Barry. Xcs with eligibility traces. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1851–1858, Washington DC, USA, 25-29 June 2005. ACM Press.
- [de] Edwin de Jong. The maxsolve algorithm for coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 483–489, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DG] Deborah Vakas Duong and John Grefenstette. The emulation of social institutions as a method of coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 555–556, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DGB⁺] K. P. Dahal, S. J. Galloway, G. M. Burt, J. R. McDonald, and I. Hopkins. A case study of process facility optimization using discrete event simulation and genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2197–2198, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DGH] Pedro A. Diaz-Gomez and Dean F. Hougen. Analysis and mathematical justification of a fitness function used in an intrusion detection system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1591–1592, Washington DC, USA, 25-29 June 2005. ACM Press.

- [DHHG] Karnig Derderian, Robert M. Hierons, Mark Harman, and Qiang Guo. Generating feasible input sequences for extended finite state machines (efsms) using genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1081–1082, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DK] Mohammad Daoud and Nawwaf Kharma. Gats 1.0: a novel ga-based scheduling algorithm for task scheduling on heterogeneous processor nets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2209–2210, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DKC1] Swagatam Das, Amit Konar, and Uday K. Chakraborty. An efficient evolutionary algorithm applied to the design of two-dimensional iir filters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2157—2163, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DKC2] Swagatam Das, Amit Konar, and Uday K. Chakraborty. Improving particle swarm optimization with differentially perturbed velocity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 177–184, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DKC3] Swagatam Das, Amit Konar, and Uday K. Chakraborty. Two improved differential evolution schemes for faster global search. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 991–998, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DLvHP] Anne Defaweux, Tom Lenaerts, Jano van Hemert, and Johan Parent. Transition models as an incremental approach for problem solving in evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 599–606, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DNL] Richard O. Day, Abel S. Nunez, and Gary B. Lamont. Moea design of robust digital symbol sets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy

Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2213–2214, Washington DC, USA, 25-29 June 2005. ACM Press.

- [DnSFC] Abraham Duarte, Ángel Sánchez, Felipe Fernández, and Raúl Cabido. A low-level hybridization between memetic algorithm and vns for the max-cut problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 999–1006, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DOB] Ian Dempsey, Michael O'Neill, and Anthony Brabazon. Meta-grammar constant creation with grammatical evolution by grammatical evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1665–1671, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Dow] Keith L. Downing. The predictive basis of situated and embodied artificial intelligence. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 43–50, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DR] Diego Sal Díaz and Manuel Graña Romay. Introducing a watermarking with a multi-objective genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2219–2220, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Dro] Stefan Droste. Not all linear functions are equally difficult for the compact genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 679–686, Washington DC, USA, 25-29 June 2005. ACM Press.
- [dS] U. Chandimal de Silva and Joe Suzuki. On the stationary distribution of gas with fixed crossover probability. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1147–1151, Washington DC, USA, 25-29 June 2005. ACM Press.

- [DSB] Jason M. Daida, Michael E. Samples, and Matthew J. Byom. Probing for limits to building block mixing with a tunably-difficult problem for genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1713–1720, Washington DC, USA, 25-29 June 2005. ACM Press.
- [dVd] Fabricio Olivetti de França, Fernando J. Von Zuben, and Leandro Nunes de Castro. An artificial immune network for multimodal function optimization on dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 289–296, Washington DC, USA, 25-29 June 2005. ACM Press.
- [dWT] Edwin D. de Jong, Richard A. Watson, and Dirk Thierens. On the complexity of hierarchical problem solving. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1201–1208, Washington DC, USA, 25-29 June 2005. ACM Press.
- [DY] Lixin Ding and Jinghu Yu. Some theoretical results about the computation time of evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1409–1415, Washington DC, USA, 25-29 June 2005. ACM Press.
- [EAK] Mohammed El-Abd and Mohamed Kamel. Factors governing the behavior of multiple cooperating swarms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 269–270, Washington DC, USA, 25-29 June 2005. ACM Press.
- [EBA] Ihsan Ecemis, Eric Bonabeau, and Trent Ashburn. Interactive estimation of agent-based financial markets models: modularity and learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1897–1904, Washington DC, USA, 25-29 June 2005. ACM Press.
- [EST] A. E. Eiben, M. C. Schut, and T. Toma. Comparing multicast and newscast communication in evolving agent societies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar

Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 75–81, Washington DC, USA, 25-29 June 2005. ACM Press.

- [FE1] Edgardo Ferretti and Susana Esquivel. Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1587–1588, Washington DC, USA, 25-29 June 2005. ACM Press.
- [FE2] Nate Foreman and Matthew Evett. Preventing overfitting in gp with canary functions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1779–1780, Washington DC, USA, 25-29 June 2005. ACM Press.
- [FGE] Hiram Firpi, Erik Goodman, and Javier Echauz. Epileptic seizure detection by means of genetically programmed artificial features. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 461–466, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Fic] Sevan G. Ficici. Monotonic solution concepts in coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 499–506, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Fle] Mark Fleischer. Scale invariant pareto optimality: a meta-formalism for characterizing and modeling cooperativity in evolutionary systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 233–240, Washington DC, USA, 25-29 June 2005. ACM Press.
- [FMS] Wai Kuan Foong, Holger R. Maier, and Angus R. Simpson. Ant colony optimization for power plant maintenance scheduling optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 249–256, Washington DC, USA, 25-29 June 2005. ACM Press.

- [FP] Pablo Funes and Enrique Pujals. Intransitivity revisited coevolutionary dynamics of numbers games. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 515–521, Washington DC, USA, 25-29 June 2005. ACM Press.
- [FVA] Tiago A. E. Ferreira, Germano C. Vasconcelos, and Paulo J. L. Adeodato. A new evolutionary method for time series forecasting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2221–2222, Washington DC, USA, 25-29 June 2005. ACM Press.
- [FW] Pio Fenton and Paul Walsh. A comparison of messy ga and permutation based ga for job shop scheduling. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1593–1594, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GAP⁺] Concettina Del Grosso, Giuliano Antoniol, Massimiliano Di Penta, Philippe Galinier, and Ettore Merlo. Improving network applications security: a new heuristic to generate stress testing data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1037–1043, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GAR] Raúl Giráldez and Jesús S. Aguilar-Ruiz. Feature influence for evolutionary learning. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1139–1145, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GB] Timothy G. W. Gordon and Peter J. Bentley. Bias and scalability in evolutionary development. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 83–90, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GGRVS] Fabio A. González, Juan Carlos Galeano, Diego Alexander Rojas, and Angélica Veloza-Suan. Discriminating and visualizing anomalies using negative selection and self-organizing maps. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar

Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 297–304, Washington DC, USA, 25-29 June 2005. ACM Press.

- [GHT] Zaiyi Guo, Hann Kwang Han, and Joc Cing Tay. Sufficiency verification of hiv-1 pathogenesis based on multi-agent simulation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 305–312, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GJD⁺] Maoguo Gong, Licheng Jiao, Haifeng Du, Ronghua Shang, and Bin Lu. Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 373–374, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GLT] Zong Woo Geem, Kang Seok Lee, and Chung-Li Tseng. Harmony search for structural design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 651–652, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GM] Uli Grasemann and Risto Miikkulainen. Effective image compression using evolved wavelets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1961–1968, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GMJ] Nan Guofang, Li Minqiang, and Kou Jisong. Multi-level genetic algorithm (mlga) for the construction of clock binary tree. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1441–1445, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GMO] Lee Graham, Hassan Masum, and Franz Oppacher. Statistical analysis of heuristics for evolving sorting networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the

2005 conference on Genetic and evolutionary computation, volume 2, pages 1265–1270, Washington DC, USA, 25-29 June 2005. ACM Press.

- [GNT] Yiyuan Gong, Morikazu Nakamura, and Shiro Tamaki. Parallel genetic algorithms on line topology of heterogeneous computing resources. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1447–1454, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Gre] William A. Greene. Schema disruption in tree-structured chromosomes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1401–1408, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GS] Faustino J. Gomez and Jürgen Schmidhuber. Co-evolving recurrent neurons learn deep memory pomdps. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 491–498, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GTBS] Sylvain Gelly, Olivier Teytaud, Nicolas Bredeche, and Marc Schoenauer. A statistical learning theory approach of bloat. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1783–1784, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GTT] Mario Giacobini, Marco Tomassini, and Andrea Tettamanzi. Takeover time curves in random and small-world structured populations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1333–1340, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Gun] Christian Gunia. On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 571–578, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GVS⁺] Deon Garrett, Joseph Vannucci, Rodrigo Silva, Dipankar Dasgupta, and James Simien. Genetic algorithms for the sailor assignment problem. In Hans-Georg Beyer, Una-May

O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1921–1928, Washington DC, USA, 25-29 June 2005. ACM Press.

- [GVSG] Juan Carlos Galeano, Angélica Veloza-Suan, and Fabio A. González. A comparative analysis of artificial immune network models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 361–368, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GWG] Ivan Garibay, Annie S. Wu, and Ozlem Garibay. On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1177–1184, Washington DC, USA, 25-29 June 2005. ACM Press.
- [GWJD] Maoguo Gong, Ling Wang, Licheng Jiao, and Haifeng Du. An artificial immune system algorithm for cdma multiuser detection over multi-path channels. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2105–2111, Washington DC, USA, 25-29 June 2005. ACM Press.
- [H.] Jose Antonio Martin H. Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1559–1560, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Har] Vegard Hartmann. Evolving agent swarms for clustering and sorting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 217–224, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HB] Ju Han and Bir Bhanu. Hierarchical multi-sensor image registration using evolutionary computation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic

and evolutionary computation, volume 2, pages 2045–2052, Washington DC, USA, 25-29 June 2005. ACM Press.

- [HBWS] Chien-Feng Huang, Stefan Bieniawski, David H. Wolpert, and Charlie E. M. Strauss. A comparative study of probability collectives based multi-agent systems and genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 751–752, Washington DC, USA, 25-29 June 2005. ACM Press.
- [hCLKT] Chen hsiung Chan, Sheng-An Lee, Cheng-Yan Kao, and Huai-Kuang Tsai. Improving eax with restricted 2-opt. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1471–1476, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HD] Xiaoshu Hang and Honghua Dai. Applying both positive and negative selection to supervised learning for anomaly detection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 345–352, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HH] Tim Hohm and Daniel Hoffmann. A multi-objective evolutionary approach to peptide structure redesign and stabilization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 423–429, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HHL] Rusty Hunt, Gregory S. Hornby, and Jason D. Lohn. Toward evolved flight. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 957–964, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HMNH] Tomoyuki Hiroyasu, Mitsunori Miki, Seiichi Nakayama, and Yoshiko Hanada. Multi-objective optimization of diesel engine emissions and fuel economy using spea2+. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2195–2196, Washington DC, USA, 25-29 June 2005. ACM Press.

- [HND] Samer L. Hijazi, Balasubramaniam Natarajan, and Sanjoy Das. An ant colony algorithm for multi-user detection in wireless communication systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2121–2126, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Hor1] Jeffrey Horn. Shape nesting by coevolving species. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 557–558, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Hor2] Gregory S. Hornby. Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1729–1736, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HPM] Joseph Haas, Maxim Peysakhov, and Spiros Mancoridis. Ga-based parameter tuning for multi-agent systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1085–1086, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HR] Chien-Feng Huang and Luis M. Rocha. Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 545–552, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HRZ] Yi Hong, Qingsheng Ren, and Jin Zeng. Genetic drift in univariate marginal distribution algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 745–746, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HS] Pei Yee Ho and Kazuyuki Shimizu. Simple addition of ranking method for constrained optimization in evolutionary algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005

conference on Genetic and evolutionary computation, volume 1, pages 889–896, Washington DC, USA, 25-29 June 2005. ACM Press.

- [HSM] Mark Harman, Stephen Swift, and Kiarash Mahdavi. An empirical study of the robustness of two module clustering fitness functions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1029–1036, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HSSA] Martina Hasenjäger, Bernhard Sendhoff, Toyotaka Sonoda, and Toshiyuki Arima. Three dimensional evolutionary aerodynamic design optimization with cma-es. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2173–2180, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HWNG] German Hernandez, Kenneth Wilder, Fernando Nino, and Julian Garcia. Towards a self-stopping evolutionary algorithm using coupling from the past. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 615–620, Washington DC, USA, 25-29 June 2005. ACM Press.
- [hYcFqQ] Zhao hua Yang, Jian cheng Fang, and Zhen qiang Qi. Flight midcourse guidance control based on genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1501–1506, Washington DC, USA, 25-29 June 2005. ACM Press.
- [HZG] Jianjun Hu, Xiwei Zhong, and Erik D. Goodman. Open-ended robust design of analog filters using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1619–1626, Washington DC, USA, 25-29 June 2005. ACM Press.
- [IN] Hisao Ishibuchi and Kaname Narukawa. Comparison of evolutionary multiobjective optimization with rference solution-based single-objective approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 787–794, Washington DC, USA, 25-29 June 2005. ACM Press.

- [INN] Hisao Ishibuchi, Kaname Narukawa, and Yusuke Nojima. An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 817–824, Washington DC, USA, 25-29 June 2005. ACM Press.
- [INVV] M. T. Iglesias, B. Naudts, A. Verschoren, and C. Vidal. Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1303–1308, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Jac1] David Jackson. Dormant program nodes and the efficiency of genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1745–1751, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Jac2] David Jackson. Parsing and translation of expressions by genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1681–1688, Washington DC, USA, 25-29 June 2005. ACM Press.
- [JD] Zhou Ji and Dipankar Dasgupta. Estimating the detector coverage in a negative selection algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 281–288, Washington DC, USA, 25-29 June 2005. ACM Press.
- [JKH⁺] Ming-Hui Jin, Cheng-Yan Kao, Yu-Cheng Huang, D. Frank Hsu, Ren-Guey Lee, and Chih-Kung Lee. Compact genetic algorithm for active interval scheduling in hierarchical sensor networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2205–2206, Washington DC, USA, 25-29 June 2005. ACM Press.
- [JM] Cezary Z. Janikow and Christopher J. Mann. Cgp visits the santa fe trail: effects of heuristics on gp. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta,

Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1697–1704, Washington DC, USA, 25-29 June 2005. ACM Press.

- [JS] Thomas Jansen and Ulf Schellbach. Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 841–848, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Jul1] Bryant A. Julstrom. The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 585–590, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Jul2] Bryant A. Julstrom. Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 607–614, Washington DC, USA, 25-29 June 2005. ACM Press.
- [JW] Jens Jägersküpper and Carsten Witt. Rigorous runtime analysis of a (μ+1)es for the sphere function. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 849–856, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KAD] Rafal Kicinger, Tomasz Arciszewski, and Kenneth De Jong. Parameterized versus generative representations in structural design: an empirical comparison. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2007–2014, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KASJ] John R. Koza, Sameer H. Al-Sakran, and Lee W. Jones. Automated re-invention of six patented optical lens systems using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005:

Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1953–1960, Washington DC, USA, 25-29 June 2005. ACM Press.

- [KBBU] Maarten Keijzer, Martin Baptist, Vladan Babovic, and Javier Rodriguez Uthurburu. Determining equations for vegetation induced resistance using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1999–2006, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KC] Mary E. Kurz and Sarah Canterbury. Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 803–809, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KCM1] Jung-Hwan Kim, Sung-Soon Choi, and Byung-Ro Moon. Normalization for neural network in genetic search. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1581–1582, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KCM2] Yung-Keun Kwon, Sung-Soon Choi, and Byung-Ro Moon. Stock prediction based on financial correlation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2061–2066, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KdV] Helder Knidel, Leandro N. de Castro, and Fernando J. Von Zuben. Rabnet: a real-valued antibody network for data clustering. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 371–372, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KDW⁺] Praveen Koduru, Sanjoy Das, Stephen Welch, Judith L. Roe, and Zenaida P. Lopez-Dee. A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 393–399, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Ken] James Kennedy. Dynamic-probabilistic particle swarms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 201–207, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KFF+] Didier Keymeulen, Wolfgang Fink, Michael I. Ferguson, Chris Peay, Boris Oks, Richard Terrile, and Karl Yee. Evolutionary computation applied to the tuning of mems gyroscopes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 927–932, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KM1] Yong-Hyuk Kim and Byung-Ro Moon. New topologies for genetic search space. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1393–1399, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KM2] Shuhei Kimura and Koki Matsumura. Genetic algorithms using low-discrepancy sequences. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1341–1346, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KM3] Yung-Keun Kwon and Byung-Ro Moon. Nonlinear feature extraction using a neuro genetic hybrid. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2089–2096, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KRS] Carlos Kavka, Patricia Roggero, and Marc Schoenauer. Evolution of voronoi based fuzzy recurrent controllers. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1385–1392, Washington DC, USA, 25-29 June 2005. ACM Press.
- [KS] Abdullah Konak and Alice E. Smith. Designing resilient networks using a hybrid genetic algorithm approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul

Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1279–1285, Washington DC, USA, 25-29 June 2005. ACM Press.

- [KTB] Oliver Kramer, Chuan-Kang Ting, and Hans Kleine Büning. A mutation operator for evolution strategies to handle constrained problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 917–918, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LAA] Mian Li, Shapour Azarm, and Vikrant Aute. A multi-objective genetic algorithm for robust design optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 771–778, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LB1] Christian W. G. Lasarczyk and Wolfgang Banzhaf. Total synthesis of algorithmic chemistries. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1635–1640, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LB2] Greg Lee and Vadim Bulitko. Gamm: genetic algorithms with meta-models for vision. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2029–2036, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LBBR] Agustín León-Barranco, Sandra E. Barajas, and Carlos A. Reyes. Argen + arepo: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1597–1598, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LCC+] Bo-Fu Liu, Hung-Ming Chen, Jian-Hung Chen, Shiow-Fen Hwang, and Shinn-Ying Ho. Meswarm: memetic particle swarm optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 267–268, Washington DC, USA, 25-29 June 2005. ACM Press.

- [LGP] Moshe Looks, Ben Goertzel, and Cassio Pennachin. Learning computer programs with the bayesian optimization algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 747–748, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LH] Shane Legg and Marcus Hutter. Fitness uniform deletion: a simple way to preserve diversity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1271–1278, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LHHH] Feng-Mao Lin, Hsien-Da Huang, His-Yuan Huang, and Jorng-Tzong Horng. Primer design for multiplex pcr using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 475–476, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LHZH] Xiao Luo, Malcolm I. Heywood, and A. Nur Zincir-Heywood. Evolving recurrent models using linear gp. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1787–1788, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Li] Xiaodong Li. Efficient differential evolution using speciation for multimodal function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 873–880, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LIK] Eric-Wubbo Lameijer, Ad IJzerman, and Joost Kok. The molecule evoluator: an interactive evolutionary algorithm for designing drug molecules. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1969–1976, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LK] Katharina A. Lehmann and Michael Kaufmann. Evolutionary algorithms for the self-organized evolution of networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell,

- Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 563–570, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LL1] Junhong Liu and Jouni Lampinen. A differential evolution based incremental training method for rbf networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 881–888, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LL2] Michelle Lyman and Gary Lewandowski. Genetic programming for association rules on card sorting data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1551–1552, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LLW] Hong-Long Liang, Chungnan Lee, and Jain-Shing Wu. Multiplex pcr primer design for gene family using genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 67–74, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LLWG1] Pier Luca Lanzi, Daniele Loiacono, Stewart W. Wilson, and David E. Goldberg. Extending xcsf beyond linear approximation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1827–1834, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LLWG2] Pier Luca Lanzi, Daniele Loiacono, Stewart W. Wilson, and David E. Goldberg. Xcs with computed prediction in multistep environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1859–1866, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LS] Chihoon Lim and Eoksu Sim. Production planning in manufacturing/remanufacturing environment using genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2217–2218, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LSG1] Xavier Llorà, Kumara Sastry, and David E. Goldberg. The compact classifier system: motivation, analysis, and first results. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V.

Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1993–1994, Washington DC, USA, 25-29 June 2005. ACM Press.

- [LSG⁺2] Xavier Llorà, Kumara Sastry, David E. Goldberg, Abhimanyu Gupta, and Lalitha Lakshmi. Combating user fatigue in igas: partial ordering, support vector machines, and synthetic fitness. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1363–1370, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LSGL] Cláudio F. Lima, Kumara Sastry, David E. Goldberg, and Fernando G. Lobo. Combining competent crossover and mutation operators: a probabilistic model building approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 735–742, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LSS] Samuel Landau, Olivier Sigaud, and Marc Schoenauer. Atnosferes revisited. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1867–1874, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Luk] Sean Luke. Evolutionary computation and the c-value paradox. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 91–97, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LW] Frank Lammermann and Stefan Wappler. Benefits of software measures for evolutionary white-box testing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1083–1084, Washington DC, USA, 25-29 June 2005. ACM Press.
- [LWK] Monte Lunacek, Darrell Whitley, and James N. Knight. Measuring mobility and the performance of global search algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the

2005 conference on Genetic and evolutionary computation, volume 2, pages 1209–1216, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Mar] Jacob G. Martin. Subproblem optimization by gene correlation with singular value decomposition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1507–1514, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MC1] John F. McLoughlin, III and Walter Cedeño. The enhanced evolutionary tabu search and its application to the quadratic assignment problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 975–982, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MC2] Nicholas Freitag McPhee and Ellery Fussell Crane. A theoretical analysis of the hiff problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1153–1160, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MCS] Paul Massey, John A. Clark, and Susan Stepney. Evolution of a human-competitive quantum fourier transform algorithm using genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1657–1663, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Mel] Drew Mellor. A first order logic classifier system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1819–1826, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MH1] Phil McMinn and Mike Holcombe. Evolutionary testing of state-based programs. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1013–1020, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MH2] Timothy Meekhof and Robert B. Heckendorn. Using evolutionary optimization to improve markov-based classification with limited training data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick

Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2211–2212, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Mie] Ingo Mierswa. Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3d design of process plants. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1985–1992, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MMVRC] Efrén Mezura-Montes, Jesús Velázquez-Reyes, and Carlos A. Coello Coello. Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 225–232, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MN] Tadahiko Murata and Takashi Nakamura. Genetic network programming with automatically defined groups for assigning proper roles to multiple agents. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1705–1712, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MNA] Michelle McPartland, Stefano Nolfi, and Hussein A. Abbass. Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 51–58, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Moo] Frank W. Moore. A genetic algorithm for optimized reconstruction of quantized one-dimensional signals. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1599–1600, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MR] David Montana and Jason Redi. Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the

2005 conference on Genetic and evolutionary computation, volume 2, pages 1993–1998, Washington DC, USA, 25-29 June 2005. ACM Press.

- [MRA] Hammad Majeed, Conor Ryan, and R. Muhammad Atif Azad. Evaluating gp schema in context. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1773–1774, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MS1] Christopher K. Monson and Kevin D. Seppi. Bayesian optimization models for particle swarms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 193–200, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MS2] Christopher K. Monson and Kevin D. Seppi. Exposing origin-seeking bias in pso. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 241–248, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MSA] Artur Matos, Reiji Suzuki, and Takaya Arita. Evolutionary models for maternal effects in simulated developmental systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 149–150, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MTM] Naoki Mori, Masayuki Takeda, and Keinosuke Matsumoto. A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1485–1492, Washington DC, USA, 25-29 June 2005. ACM Press.
- [MY] Tadahiko Murata and Masatoshi Yamaguchi. Neighboring crossover to improve ga-based q-learning method for multi-legged robot control. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 145–146, Washington DC, USA, 25-29 June 2005. ACM Press.
- [NDP] Bogdan Tomoyuki Nassu, Elias Procópio Duarte, Jr., and Aurora T. Ramirez Pozo. A comparison of evolutionary algorithms for system-level diagnosis. In Hans-Georg Beyer,

Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2053–2060, Washington DC, USA, 25-29 June 2005. ACM Press.

- [NI1] Nasimul Noman and Hitoshi Iba. Enhancing differential evolution performance with local search for high dimensional function optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 967–974, Washington DC, USA, 25-29 June 2005. ACM Press.
- [NI2] Nasimul Noman and Hitoshi Iba. Inference of gene regulatory networks using s-system and differential evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 439–446, Washington DC, USA, 25-29 June 2005. ACM Press.
- [NJ] Jeremiah Nummela and Bryant A. Julstrom. Evolving petri nets to represent metabolic pathways. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2133–2139, Washington DC, USA, 25-29 June 2005. ACM Press.
- [NOS] Michael Nashvili, Markus Olhofer, and Bernhard Sendhoff. Morphing methods in evolutionary design optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 897–904, Washington DC, USA, 25-29 June 2005. ACM Press.
- [NW1] Frank Neumann and Ingo Wegener. Minimum spanning trees made easier via multiobjective optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang
 Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta,
 Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros
 Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul
 Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on
 Genetic and evolutionary computation, volume 1, pages 763–769, Washington DC, USA,
 25-29 June 2005. ACM Press.
- [NW2] Ian Nunn and Tony White. The application of antigenic search techniques to time series forecasting. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic

and evolutionary computation, volume 1, pages 353–360, Washington DC, USA, 25-29 June 2005. ACM Press.

- [OPS] Radovan Ondas, Martin Pelikan, and Kumara Sastry. Scalability of genetic programming and probabilistic incremental program evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1785–1786, Washington DC, USA, 25-29 June 2005. ACM Press.
- [OSKL] Teong Joo Ong, Ryan Saunders, John Keyser, and John J. Leggett. Terrain generation using genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1463–1470, Washington DC, USA, 25-29 June 2005. ACM Press.
- [OY] Kei Ohnishi and Kaori Yoshida. Evolutionary change in developmental timing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1561–1562, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Pas] Anna Paszynska. An extension of vose's markov chain model for genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1553–1554, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PB] Christophe Philemotte and Hugues Bersini. Intrinsic emergence boosts adaptive capacity. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 559–560, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PD1] Malay K. Pakhira and Rajat K. De. A hardware pipeline for function optimization using genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 949–956, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PD2] Elena Popovici and Kenneth De Jong. Understanding cooperative co-evolutionary dynamics via simple fitness landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V.

Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 507–514, Washington DC, USA, 25-29 June 2005. ACM Press.

- [PDL] Riccardo Poli, Cecilia Di Chio, and William B. Langdon. Exploring extended particle swarms: a genetic programming approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 169–176, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PDR] Michael R. Peterson, Travis E. Doom, and Michael L. Raymer. Ga-facilitated classifier optimization with varying similarity measures. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1549–1550, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PE] Joshua L. Payne and Margaret J. Eppstein. A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 377–384, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PG] Gary Parker and Ramona Georgescu. Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 147–148, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Pha] Q. Tuan Pham. Evolutionary optimization of dynamic control problems accelerated by progressive step reduction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2181–2187, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PI] Topon Kumar Paul and Hitoshi Iba. Extraction of informative genes from microarray data. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary

computation, volume 1, pages 453–460, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Pil] Nelishia Pillay. An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1781–1782, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PK] Tanasanee Phienthrakul and Boonserm Kijsirikul. Evolutionary strategies for multi-scale radial basis function kernels in support vector machines. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 905–911, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PL] Riccardo Poli and William B. Langdon. Backward-chaining genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1777–1778, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PLC] Chandana Paul, Hod Lipson, and Francisco J. Valero Cuevas. Evolutionary form-finding of tensegrity structures. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 3–10, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PO] Lina Perelman and Avi Ostfeld. Water distribution systems optimal design using cross entropy. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 647–648, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Pol] Leon Poladian. A ga for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 415–422, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PRA] Sergio Ivvan Valdez Peña, Salvador Botello Rionda, and Arturo Hernéndez Aguirre. Multiobjective shape optimization with constraints based on estimation

distribution algorithms and correlated information. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 749–750, Washington DC, USA, 25-29 June 2005. ACM Press.

- [PRM] David Pardoe, Michael Ryoo, and Risto Miikkulainen. Evolving neural network ensembles for control problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1379–1384, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PSE] Mike Preuss, Lutz Schönemann, and Michael Emmerich. Counteracting genetic drift and disruptive recombination in (μpluskommaλ)-ea on multimodal fitness landscapes. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 865–872, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PSG] Martin Pelikan, Kumara Sastry, and David E. Goldberg. Multiobjective hboa, clustering, and scalability. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 663–670, Washington DC, USA, 25-29 June 2005. ACM Press.
- [PUV] Lucian Prodan, Mihai Udrescu, and Mircea Vladutiu. Multiple-level concatenated coding in embryonics: a dependability analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 941–948, Washington DC, USA, 25-29 June 2005. ACM Press.
- [QLI] David Quintana, Cristóbal Luque, and Pedro Isasi. Evolutionary rule-based system for ipo underpricing prediction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 983–989, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RGS] B. Ravichandran, Avinash Gandhe, and R. E. Smith. Xcs for robust automatic target recognition. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson,

and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1803–1810, Washington DC, USA, 25-29 June 2005. ACM Press.

- [RH] Jeffrey P. Ridder and Jason C. HandUber. Mission planning for joint suppression of enemy air defenses using a genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1929–1936, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RL] Matthew A. Russell and Gary B. Lamont. A genetic algorithm for unmanned aerial vehicle routing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1523–1530, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RMC] Cecília Reis, J. A. Tenreiro Machado, and J. Boaventura Cunha. Fractional dynamic fitness functions for ga-based circuit design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1571–1572, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RN] Carlo R. Raquel and Prospero C. Naval, Jr. An effective use of crowding distance in multiobjective particle swarm optimization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 257–264, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RP] John Rieffel and Jordan Pollack. Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-d objects. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 99–106, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RPW] J. Neal Richter, John Paxton, and Alden Wright. Ea models and population fixed-points versus mutation rates for functions of unitation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1233—1240, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RR] William Rand and Rick Riolo. The problem with a self-adaptative mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions.

In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1493–1500, Washington DC, USA, 25-29 June 2005. ACM Press.

- [RSP] Franz Rothlauf, Daniel Schunk, and Jella Pfeiffer. Classification of human decision behavior: finding modular decision rules with genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2021–2028, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RVS+] H. Ressom, R. S. Varghese, D. Saha, E. Orvisky, L. Goldman, E. F. Petricoin, T. P. Conrads, T. D. Veenstra, M. Abdel-Hamid, C. A. Loffredo, and R. Goldman. Particle swarm optimization for analysis of mass spectral serum profiles. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 431–438, Washington DC, USA, 25-29 June 2005. ACM Press.
- [RWB+] Marc D. Richards, Darrell Whitley, J. Ross Beveridge, Todd Mytkowicz, Duong Nguyen, and David Rome. Evolving cooperative strategies for uav teams. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1721–1728, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SA] Justin Schonfeld and Daniel Ashlock. A study of evolutionary robustness in stochastically tiled polyominos. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 19–26, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SAGJ] Kumara Sastry, Hussein A. Abbass, David E. Goldberg, and D. D. Johnson. Sub-structural niching in estimation of distribution algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 671–678, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SB] Ofer M. Shir and Thomas Bäck. Niching in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler,

editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 915–916, Washington DC, USA, 25-29 June 2005. ACM Press.

- [SBBP] Olaf Seng, Markus Bauer, Matthias Biehl, and Gert Pache. Search-based improvement of subsystem decompositions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1045–1051, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SBL] Ehud Schlessinger, Peter J. Bentley, and R. Beau Lotto. Evolving visually guided agents in an ambiguous virtual world. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 115–120, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SC1] Pasut Seeluangsawat and Prabhas Chongstitvatana. A multiple objective evolutionary algorithm for multiple sequence alignment. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 477–478, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SC2] Sara Silva and Ernesto Costa. Resource-limited genetic programming: the dynamic approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1673–1680, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SCG⁺] Benjamin Skellett, Benjamin Cairns, Nicholas Geard, Bradley Tonkes, and Janet Wiles. Maximally rugged nk landscapes contain the highest peaks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 579–584, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Sch1] Lutz Schönemann. Optimal number of evolution strategies mutation step sizes in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 923–924, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Sch2] Karlheinz Schmitt. Using gene deletion and gene duplication in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum,

Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 919–920, Washington DC, USA, 25-29 June 2005. ACM Press.

- [SD1] Alexei V. Samsonovich and Kenneth A. De Jong. Pricing the 'free lunch' of meta-evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1355–1362, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SD2] Zbigniew Skolicki and Kenneth De Jong. The influence of migration sizes and intervals on island models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1295–1302, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SDBP] Michael E. Samples, Jason M. Daida, Matthew Byom, and Matt Pizzimenti. Parameter sweeps for exploring gp parameters. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1791–1792, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SDN] Daniel Stevens, Sanjoy Das, and Bala Natarajan. A multi-objective algorithm for dscdma code design based on the clonal selection principle. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2015–2020, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SFMS] Sadiq M. Sait, Mohammed Faheemuddin, Mahmood R. Minhas, and Syed Sanaullah. Multiobjective vlsi cell placement using distributed genetic algorithm. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1585–1586, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SGR] Kisung Seo, Erik D. Goodman, and Ronald C. Rosenberg. Design of air pump system using bond graph and genetic programming method. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005:

Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2215–2216, Washington DC, USA, 25-29 June 2005. ACM Press.

- [SHS] Jason Stevens, Robert B. Heckendorn, and Terry Soule. Exploiting disruption aversion to control code bloat. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1605–1612, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SHT] Thomas Schlichter, Christian Haubelt, and Jürgen Teich. Improving ea-based design space exploration by utilizing symbolic feasibility tests. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1945–1952, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SK1] Jun Sakuma and Shigenobu Kobayashi. Latent variable crossover for k-tablet structures and its application to lens design problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1347–1354, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SK2] Jun Sakuma and Shigenobu Kobayashi. Real-coded crossover as a role of kernel density estimation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 703–710, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SK3] Yuji Sato and Ryutaro Kanno. Event-driven learning classifier systems for online soccer games. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2201–2202, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SK4] Peter Spellward and Tim Kovacs. On the contribution of gene libraries to artificial immune systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 313–319, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SKK] Lee Spector, Jon Klein, and Maarten Keijzer. The push3 execution stack and the evolution of control. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf,

Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1689–1696, Washington DC, USA, 25-29 June 2005. ACM Press.

- [SKMV] Andrew Sutton, Huzefa Kagdi, Jonathan I. Maletic, and L. Gwenn Volkert. Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1079–1080, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SKSM] Kenneth Stanley, Nate Kohl, Rini Sherony, and Risto Miikkulainen. Neuroevolution of an automobile crash warning system. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1977–1984, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SLP] Joseph M. Shapiro, Gary B. Lamont, and Gilbert L. Peterson. An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 337–344, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SM1] Dong-Il Seo and Byung-Ro Moon. Computing the epistasis variance of large-scale traveling salesman problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1169–1176, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SM2] Yiu Fai Sit and Risto Miikkulainen. Learning basic navigation for personal satellite assistant using neuroevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1913–1920, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SMB] Siddhartha Shakya, John McCall, and Deryck Brown. Using a markov network model in a univariate eda: an empirical cost-benefit analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005:

Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 727–734, Washington DC, USA, 25-29 June 2005. ACM Press.

- [Smi] James F. Smith, III. Evolving fuzzy decision tree structure that adapts in real-time. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1737–1744, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SMM] Karlheinz Schmitt, Jörn Mehnen, and Thomas Michelitsch. Using predators and preys in evolution strategies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 827–828, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SMTE] Thomas Stibor, Philipp Mohr, Jonathan Timmis, and Claudia Eckert. Is negative selection appropriate for anomaly detection? In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 321–328, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SNS] Matthew Settles, Paul Nathan, and Terence Soule. Breeding swarms: a new approach to recurrent neural network training. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 185–192, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Sol] Andrea Soltoggio. An enhanced ga to improve the search process reliability in tuning of control systems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2165–2172, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SP] Leila Shila Shafti and Eduardo Pérez Pérez. Constructive induction and genetic algorithms for learning concepts with complex interaction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1811–1818, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SS1] Matthias Scheutz and Paul Schermerhorn. Predicting population dynamics and evolutionary trajectories based on performance evaluations in alife simulations. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum,

- Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 35–42, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SS2] Matthew Settles and Terence Soule. Breeding swarms: a ga/pso hybrid. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 161–168, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SS3] Andrew Stout and Lee Spector. Validation of evolutionary activity metrics for long-term evolutionary dynamics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 137–142, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SSR+] E. Sanchez, M. Schillaci, M. Sonza Reorda, G. Squillero, L. Sterpone, and M. Violante. New evolutionary techniques for test-program generation for complex microprocessor cores. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2193–2194, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SSSZ] Christian Spieth, Felix Streichert, Nora Speer, and Andreas Zell. Identifying valid solutions for the inference of regulatory networks. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 469–470, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SSZA] Sadiq M. Sait, Syed Sanaullah, Ali Mustafa Zaidi, and Mustafa I. Ali. Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 921–922, Washington DC, USA, 25-29 June 2005. ACM Press.
- [STC] T. Schmickl, R. Thenius, and K. Crailsheim. Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005:

Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 273–274, Washington DC, USA, 25-29 June 2005. ACM Press.

- [STE] Rolv Seehuus, Amund Tveit, and Ole Edsberg. Discovering biological motifs with genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 401–408, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Sto] Tobias Storch. On the impact of objective function transformations on evolutionary and black-box algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 833–840, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Sud] Dirk Sudholt. Crossover is provably essential for the ising model on trees. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1161–1167, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SW1] Artem Sokolov and Darrell Whitley. Unbiased tournament selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1131–1138, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SW2] Hal Stringer and Annie S. Wu. Behavior of finite population variable length genetic algorithms under random selection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1249–1255, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SW3] Ashish Sureka and Peter R. Wurman. Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2097–2103, Washington DC, USA, 25-29 June 2005. ACM Press.
- [SWH] Sean R. Szumlanski, Annie S. Wu, and Charles E. Hughes. Collaborative interactive evolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy

Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 2199–2200, Washington DC, USA, 25-29 June 2005. ACM Press.

- [SWL] Artem Sokolov, Darrell Whitley, and Monte Lunacek. Alternative implementations of the griewangk function. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1589–1590, Washington DC, USA, 25-29 June 2005. ACM Press.
- [TA] Kagan Tumer and Adrian Agogino. Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 591–598, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Tan] Ivan Tanev. Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 687–694, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Thi] Dirk Thierens. An adaptive pursuit strategy for allocating operator probabilities. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1539–1546, Washington DC, USA, 25-29 June 2005. ACM Press.
- [THS] Gloria Childress Townsend, Wade N. Hazel, and Rick Smock. Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in chthamalus anisopoma. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 409–414, Washington DC, USA, 25-29 June 2005. ACM Press.
- [TJ] Kai Wing Tang and Ray A. Jarvis. From supervised ranking to evolving behaviours of a robotic team. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic

- and evolutionary computation, volume 2, pages 1325–1332, Washington DC, USA, 25-29 June 2005. ACM Press.
- [TLLR] Sam Talaie, Ryan Leigh, Sushil J. Louis, and Gary L. Raines. Predicting mining activity with parallel genetic algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2149–2155, Washington DC, USA, 25-29 June 2005. ACM Press.
- [TLOE] Jing Tang, Meng Hiot Lim, Yew Soon Ong, and Meng Joo Er. Solving large scale combinatorial optimization using pma-sls. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 621–628, Washington DC, USA, 25-29 June 2005. ACM Press.
- [TMFIR] H. Terashima-Marín, E. J. Flores-Álvarez, and P. Ross. Hyper-heuristics and classifier systems for solving 2d-regular cutting stock problems. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 637–643, Washington DC, USA, 25-29 June 2005. ACM Press.
- [UE] Sima Uyar and Gülşen Eryiğit. Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1257–1264, Washington DC, USA, 25-29 June 2005. ACM Press.
- [VBM] Vinod Valsalam, James Bednar, and Risto Miikkulainen. Constructing good learners using evolved pattern generators. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 11–18, Washington DC, USA, 25-29 June 2005. ACM Press.
- [VD] Dana Vrajitoru and Jason DeBoni. Hybrid real-coded mutation for genetic algorithms applied to graph layouts. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1563–1564, Washington DC, USA, 25-29 June 2005. ACM Press.
- [VGB] Saranyan A. Vigraham, John C. Gallagher, and Sanjay K. Boddhu. Evolving analog controllers for correcting thermoacoustic instability in real hardware. In Hans-Georg Beyer,

Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 933–940, Washington DC, USA, 25-29 June 2005. ACM Press.

- [WC] Jui-Yu Wu and Yun-Kung Chung. Artificial immune system for solving generalized geometric problems: a preliminary results. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 329–336, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WFP⁺] Horst F. Wedde, Muddassar Farooq, Thorsten Pannenbaecker, Bjoern Vogel, Christian Mueller, Johannes Meth, and Rene Jeruschkat. Beeadhoc: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 153–160, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WGS] Daan Wierstra, Faustino J. Gomez, and Jürgen Schmidhuber. Modeling systems with internal state using evolino. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1795–1802, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WH] Garnett Wilson and Malcolm Heywood. Use of a genetic algorithm in brill's transformation-based part-of-speech tagger. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2067–2073, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WHDY] Kay C. Wiese, Andrew Hendriks, Alain Deschênes, and Belgacem Ben Youssef. The impact of pseudorandom number quality on p-rnapredict, a parallel genetic algorithm for rna secondary structure prediction. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 479–480, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WL] Stefan Wappler and Frank Lammermann. Using evolutionary algorithms for the unit testing of object-oriented software. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M.

Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 1053–1060, Washington DC, USA, 25-29 June 2005. ACM Press.

- [WM1] James Alfred Walker and Julian Francis Miller. Investigating the performance of module acquisition in cartesian genetic programming. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1649–1656, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WM2] Nathan Williams and Melanie Mitchell. Investigating the success of spatial coevolution. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 523–530, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WP] Alden H. Wright and Sandeep Pulavarty. On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 695–702, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WPC] P. Whiting, P. W. Poon, and J. N. Carter. A genetic algorithm approach to the selection of near-optimal subsets from large sets. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2203–2204, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WRW] Zhi-Gang Wang, M. Rahman, and Yoke-San Wong. Multi-niche crowding in the development of parallel genetic simulated annealing. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1555–1556, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WS] Shinya Watanabe and Kazutoshi Sakakibara. The effectiveness of multiobjective optimizer in single-objective optimization environment. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 829–830, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WSS⁺] Shimon Whiteson, Peter Stone, Kenneth O. Stanley, Risto Miikkulainen, and Nate Kohl. Automatic feature selection in neuroevolution. In Hans-Georg Beyer, Una-May O'Reilly,

- Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, pages 1225–1232, Washington DC, USA, 25-29 June 2005. ACM Press.
- [WZ] Jonathan Wight and Yi Zhang. An "ageing" operator and its use in the highly constrained topological optimization of hvac system design. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2075—2082, Washington DC, USA, 25-29 June 2005. ACM Press.
- [XLM] Kai Xu, Sushil J. Louis, and Roberto C. Mancini. A scalable parallel genetic algorithm for x-ray spectroscopic analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 811–816, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Yan1] Shengxiang Yang. Memory-based immigrants for genetic algorithms in dynamic environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1115–1122, Washington DC, USA, 25-29 June 2005. ACM Press.
- [Yan2] Shengxiang Yang. Population-based incremental learning with memory scheme for changing environments. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 711–718, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YG] Bo Yuan and Marcus Gallagher. On the importance of diversity maintenance in estimation of distribution algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 719–726, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YGC] Bo Yuan, Marcus Gallagher, and Stuart Crozier. Mri magnet design: search space analysis, edas and a real-world problem with significant dependencies. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005:

Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 2141–2148, Washington DC, USA, 25-29 June 2005. ACM Press.

- [YI] Kohsuke Yanai and Hitoshi Iba. Probabilistic distribution models for eda-based gp. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1775–1776, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YIL] Serkan Yilmaz, Kostadin Ivanov, and Samuel Levine. Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1477–1483, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YKM] Yourim Yoon, Yong-Hyuk Kim, and Byung-Ro Moon. An evolutionary lagrangian method for the 0/1 multiple knapsack problem. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 629–635, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YP] Borenstein Yossi and Riccardo Poli. Information landscapes and the analysis of search algorithms. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1287–1294, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YSG] Tian-Li Yu, Kumara Sastry, and David E. Goldberg. Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1217–1224, Washington DC, USA, 25-29 June 2005. ACM Press.
- [YW] Ayse Selen Yilmaz and Annie S. Wu. Preservation of genetic redundancy in the existence of developmental error and fitness assignment error. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1317–1324, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZAD] Angel E. Muñoz Zavala, Arturo Hernández Aguirre, and Enrique R. Villa Diharce. Constrained optimization via particle evolutionary swarm optimization algorithm

- (peso). In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, pages 209–216, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZC] Yuan Zhan and John A. Clark. Search-based mutation testing for simulink models. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 1061–1068, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZCZ] Jun Zhang, Henry S. H. Chung, and Jinghui Zhong. Adaptive crossover and mutation in genetic algorithms based on clustering technique. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1577–1578, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZJ] Byoung-Tak Zhang and Ha-Young Jang. Molecular programming: evolving genetic programs in a test tube. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1761–1768, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZR1] Emily M. Zechman and S. Ranji Ranjithan. Multipopulation cooperative coevolutionary programming (mccp) to enhance design innovation. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1641–1648, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZR2] Chongshan Zhang and Khaled Rasheed. Improving ga search reliability using maximal hyper-rectangle analysis. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler, editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 2, pages 1185–1192, Washington DC, USA, 25-29 June 2005. ACM Press.
- [ZR3] Yang Zhang and Peter I. Rockett. Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection. In Hans-Georg Beyer, Una-May O'Reilly, Dirk V. Arnold, Wolfgang Banzhaf, Christian Blum, Eric W. Bonabeau, Erick Cantu-Paz, Dipankar Dasgupta, Kalyanmoy Deb, James A. Foster, Edwin D. de Jong, Hod Lipson, Xavier Llora, Spiros Mancoridis, Martin Pelikan, Guenther R. Raidl, Terence Soule, Andy M. Tyrrell, Jean-Paul Watson, and Eckart Zitzler,

editors, GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation, volume 1, pages 795–802, Washington DC, USA, 25-29 June 2005. ACM Press.