

Список литературы

- [AB] Joshua E. Auerbach and Joshua C. Bongard. On the relationship between environmental and morphological complexity in evolved robots. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 521–528, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [ABCS] Wahabou Abdou, Christelle Bloch, Damien Charlet, and François Spies. Adaptive multi-objective genetic algorithm using multi-pareto-ranking. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 449–456, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Abd] Ashraf M. Abdelbar. Is there a computational advantage to representing evaporation rate in ant colony optimization as a gaussian random variable? In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1–8, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [AH] Dirk V. Arnold and Nikolaus Hansen. A (1+1)-cma-es for constrained optimisation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 297–304, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [AHT] Adrian Agogino, Chris HolmesParker, and Kagan Tumer. Evolving distributed resource sharing for cubesat constellations. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni

Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1015–1022, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[AHZH] Aaron Atwater, Malcolm I. Heywood, and Nur Zincir-Heywood. Gp under streaming data constraints: a case for pareto archiving? In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 703–710, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[Aki] Youhei Akimoto. Analysis of a natural gradient algorithm on monotonic convex-quadratic-composite functions. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1293–1300, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[AKMM] Arbab Masood Ahmad, Gul Muhammad Khan, Sahibzada Ali Mahmud, and Julian Francis Miller. Breast cancer detection using cartesian genetic programming evolved artificial neural networks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1031–1038, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[APR] Ignacio Araya, Leslie Pérez, and Maria Cristina Riff. Towards a population-based framework for improving stochastic local search algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 337–344, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [ATP] Bradley Alexander, Stephan Thiel, and Jared Peacock. Application of evolutionary methods to 3d geoscience modelling. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1039–1046, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BA] Peter A.N. Bosman and Tanja Alderliesten. Incremental gaussian model-building in multi-objective edas with an application to deformable image registration. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 241–248, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BB] Amine Boumaza and Armelle Brun. From neighbors to global neighbors in collaborative filtering: an evolutionary optimization approach. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 345–352, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BBdF] Rodrigo C. Barros, Márcio P. Basgalupp, André C.P.L.F. de Carvalho, and Alex A. Freitas. A hyper-heuristic evolutionary algorithm for automatically designing decision-tree algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1237–1244, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BdHM⁺] Markus Beck, Michael de Paly, Jozsef Hecht-Méndez, Peter Bayer, and Andreas Zell. Evaluation of the performance of evolutionary algorithms for optimization of low-enthalpy geothermal heating plants. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan,

- Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1047–1054, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BE] Juergen Branke and Jawad Asem Elomari. Meta-optimization for parameter tuning with a flexible computing budget. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1245–1252, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BF] Karl Bringmann and Tobias Friedrich. Convergence of hypervolume-based archiving algorithms ii: competitiveness. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 457–464, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BFK⁺] Jan Baumbach, Tobias Friedrich, Timo Kötzing, Anton Krohmer, Joachim Müller, and Josch Pauling. Efficient algorithms for extracting biological key pathways with global constraints. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 169–176, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BH] Hans-Georg Beyer and Michael Hellwig. Mutation strength control by meta-es on the sharp ridge. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 305–312, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [BKD] Jeffrey Bassett, Uday Kamath, and Kenneth De Jong. A new methodology for the gp theory toolbox. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa

Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 719–726, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[BMM⁺] Jacob Beal, Hala Mostafa, Annan Mozeika, Benjamin Axelrod, Aaron Adler, Gretchen Markiewicz, and Kyle Usbeck. A manifold operator representation for adaptive design. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 529–536, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[BMP] Alexander E.I. Brownlee, John A.W. McCall, and Martin Pelikan. Influence of selection on structure learning in markov network edas: an empirical study. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 249–256, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[BMTP] Bernd Bischl, Olaf Mersmann, Heike Trautmann, and Mike Preuß. Algorithm selection based on exploratory landscape analysis and cost-sensitive learning. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 313–320, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[BVOB] Alexander Bailey, Mario Ventresca, and Beatrice Ombuki-Berman. Automatic generation of graph models for complex networks by genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth*

international conference on Genetic and evolutionary computation conference, pages 711–718, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [BWT] Dimo Brockhoff, Tobias Wagner, and Heike Trautmann. On the properties of the r^2 indicator. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 465–472, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CBHS] Leo Cazenille, Nicolas Bredeche, Heiko Hamann, and Jürgen Stradner. Impact of neuron models and network structure on evolving modular robot neural network controllers. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 89–96, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CBP] Sylvain Cussat-Blanc and Jordan Pollack. A cell-based developmental model to generate robot morphologies. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 537–544, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CGLS] Caner Candan, Adrien Goeffon, Frédéric Lardeux, and Frédéric Saubion. A dynamic island model for adaptive operator selection. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1253–1260, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Cha] David Chalupa. On the efficiency of an order-based representation in the clique covering problem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas

Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 353–360, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[CHP] Alexander W. Churchill, Phil Husbands, and Andrew Philippides. Metaheuristic approaches to tool selection optimisation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1079–1086, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[CKSF⁺] Christine Chou, Steven Kimbrough, John Sullivan-Fedock, C. Jason Woodard, and Frederic H. Murphy. Using interactive evolutionary computation (iec) with validated surrogate fitness functions for redistricting. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1071–1078, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[CL] Theodore Cornforth and Hod Lipson. Symbolic regression of multiple-time-scale dynamical systems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 735–742, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[CML] Ye Chen, Lawrence Mazlack, and Long Lu. Learning fuzzy cognitive maps from data by ant colony optimization. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 9–16, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [CMV] Mauro Castelli, Luca Manzoni, and Leonardo Vanneschi. Parameter tuning of evolutionary reactions systems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 727–734, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CNH] António Canelas, Rui Neves, and Nuno Horta. A new sax-ga methodology applied to investment strategies optimization. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1055–1062, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Col] Drue Coles. Efficient filters for the simulated evolution of small sorting networks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 593–600, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CR] Nikolaos Chatzinikolaou and David Robertson. The use of reputation as noise-resistant selection bias in a co-evolutionary multi-agent system. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 983–990, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CW] Robert Collier and Mark Wineberg. An empirical approach to the measurement of interchromosomal distances in the genetic algorithm. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb,

editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 601–608, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [CWA] Francisco Chicano, Darrell Whitley, and Enrique Alba. Exact computation of the expectation curves for uniform crossover. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1301–1308, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [CYM] Jaewon Choi, Yourim Yoon, and Byung-Ro Moon. An efficient genetic algorithm for subgraph isomorphism. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 361–368, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [DD] Houda Derbel and Bilel Derbel. On neighborhood tree search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1261–1268, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [DDOP] Andrea De Lucia, Massimiliano Di Penta, Rocco Oliveto, and Annibale Panichella. Estimating the evolution direction of populations to improve genetic algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 617–624, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [de] Marcio de Oliveira Barros. An analysis of the effects of composite objectives in multiobjective software module clustering. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne,

Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1205–1212, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [DHK] Benjamin Doerr, Ashish Hota, and Timo Kötzing. Ants easily solve stochastic shortest path problems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 17–24, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [DLH] John A. Doucette, Peter Lichodziejewski, and Malcolm I. Heywood. Hierarchical task decomposition through symbiosis in reinforcement learning. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 97–104, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [DS] Jan Drchal and Miroslav Snorek. Distance measures for hypergp with fitness sharing. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 545–552, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [DVOT] Fabio Daolio, Sébastien Verel, Gabriela Ochoa, and Marco Tomassini. Local optima networks and the performance of iterated local search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 369–376, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [EZB] Toktam Ebadi, Mengjie Zhang, and Will Browne. Xcs-based versus ucs-based feature pattern classification system. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 839–846, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [FJZ] Wenlong Fu, Mark Johnston, and Mengjie Zhang. Genetic programming for edge detection using blocks to extract features. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 855–862, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [FKB] Maria A. Franco, Natalio Krasnogor, and Jaume Bacardit. Post-processing operators for decision lists. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 847–854, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [FKCA] Javier Ferrer, Peter M. Kruse, Francisco Chicano, and Enrique Alba. Evolutionary algorithm for prioritized pairwise test data generation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1213–1220, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [FR] Jeannie Fitzgerald and Conor Ryan. Exploring boundaries: optimising individual class boundaries for binary classification problem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa,

Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 743–750, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[FRS] Jesun Sahariar Firoz, M. Sohel Rahman, and Tanay Kumar Saha. Bee algorithms for solving dna fragment assembly problem with noisy and noiseless data. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 201–208, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[FVD] Jose David Fernández, Francisco Vico, and Réne Doursat. Complex and diverse morphologies can develop from a minimal genomic model. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 553–560, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[GFTPR] Mario Garza-Fabre, Gregorio Toscano-Pulido, and Eduardo Rodriguez-Tello. Locality-based multiobjectivization for the hp model of protein structure prediction. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 473–480, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[GNA] José Garcia-Nieto and Enrique Alba. Why six informants is optimal in pso. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 25–32, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[GT] Brian W. Goldman and Daniel R. Tauritz. Linkage tree genetic algorithms: variants and analysis. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine

Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 625–632, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [GWF] Claire Le Goues, Westley Wemer, and Stephanie Forrest. Representations and operators for improving evolutionary software repair. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 959–966, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Har] Robin Harper. Spatial co-evolution: quicker, fitter and less bloated. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 759–766, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HB] Gregory S. Hornby and Josh C. Bongard. Accelerating human-computer collaborative search through learning comparative and predictive user models. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 225–232, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HBK⁺] Daniel Hennes, Daan Bloembergen, Michael Kaisers, Karl Tuyls, and Simon Parsons. Evolutionary advantage of foresight in markets. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic*

and evolutionary computation conference, pages 943–950, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [HBP] Mark Hauschild, Sanjiv Bhatia, and Martin Pelikan. Image segmentation using a genetic algorithm and hierarchical local search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 633–640, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HCM⁺] Kathryn Hardey, Eren Corapcioglu, Molly Mattis, Mark Goadrich, and Matthew Jadud. Exploring and evolving process-oriented control for real and virtual fire fighting robots. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 105–112, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HGLS] Simon Harding, Vincent Graziano, Juergen Leitne, and Juergen Schmidhuber. Mt-cgp: mixed type cartesian genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 751–758, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HKMS] Matthew Hausknecht, Piyush Khandelwal, Risto Miikkulainen, and Peter Stone. Hyperneat-ggp: a hyperneat-based atari general game player. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 217–224, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [HLB] Martin Holena, David Linke, and Lukas Bajer. Surrogate modeling in the evolutionary optimization of catalytic materials. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum,

Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1095–1102, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[HOCD] Daniel Hernández, Gustavo Olague, Eddie Clemente, and León Dozal. Evolving a conspicuous point detector based on an artificial dorsal stream: Slam system. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1087–1094, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[HR] Bin Hu and Günther Raidl. An evolutionary algorithm with solution archives and bounding extension for the generalized minimum spanning tree problem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 393–400, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[HVM⁺] Erik Hemberg, Kalyan Veeramachaneni, James McDermott, Constantin Berzan, and Una-May O'Reilly. An investigation of local patterns for estimation of distribution genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 767–774, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[HW] Wesam Mohamed Herbawi and Michael Weber. A genetic and insertion heuristic algorithm for solving the dynamic ridematching problem with time windows. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth*

international conference on Genetic and evolutionary computation conference, pages 385–392, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [hZZ] Jing hui Zhong and Jun Zhang. Sde: a stochastic coding differential evolution for global optimization. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 975–982, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [IBZ] Muhammad Iqbal, Will N. Browne, and Mengjie Zhang. Extracting and using building blocks of knowledge in learning classifier systems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 863–870, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Icl] David Iclanzan. Higher-order linkage learning in the ecga. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 265–272, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Ind] Benjamin Inden. Open-ended coevolution and the emergence of complex irreducible functional units in iterated number sequence games. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 113–120, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [IYN] Hisao Ishibuchi, Masakazu Yamane, and Yusuke Nojima. Effects of discrete objective functions with different granularities on the search behavior of emo algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti,

Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 481–488, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [JW1] Francis Jeanson and Anthony White. Evolving axonal delay neural networks for robot control. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 121–128, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [JW2] MichałJoachimczak and Borys Wróbel. Co-evolution of morphology and control of soft-bodied multicellular animats. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 561–568, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [jYZ] Wei jie Yu and Jun Zhang. Adaptive differential evolution with optimization state estimation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1285–1292, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [JZ] Thomas Jansen and Christine Zarges. Fixed budget computations: a different perspective on run time analysis. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1325–1332, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [KA] Ahmed Kattan and Mohammed Arif. Pso based on surrogate modeling as meta-search to optimise evolutionary algorithms parameters. In Terry Soule, Anne Auger,

Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 401–408, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [KB] Taras Kowaliw and Wolfgang Banzhaf. The unconstrained automated generation of cell image features for medical diagnosis. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1103–1110, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [KCE⁺] Joseph S. Krupa, Somdeb Chatterjee, Ethan Eldridge, Donna M. Rizzo, and Margaret J. Eppstein. Evolutionary feature selection for classification: a plug-in hybrid vehicle adoption application. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1111–1118, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [KR] Muhammad Rezaul Karim and Conor Ryan. Sensitive ants are sensible ants. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 775–782, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Kra] Krzysztof Krawiec. On relationships between semantic diversity, complexity and modularity of programming tasks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings*

of the fourteenth international conference on Genetic and evolutionary computation conference, pages 783–790, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [KSDB] Jan Kneissler, Patrick O. Stalph, Jan Drugowitsch, and Martin V. Butz. Filtering sensory information with xcsf: improving learning robustness and control performance. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 871–878, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [KSNO] Timo Koetzing, Andrew M. Sutton, Frank Neumann, and Una-May O'Reilly. The max problem revisited: the importance of mutation in genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1333–1340, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [LB] Soo Ling Lim and Peter J. Bentley. How to be a successful app developer: lessons from the simulation of an app ecosystem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 129–136, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [LDGS] Julien-Charles Levesque, Audrey Durand, Christian Gagne, and Robert Sabourin. Multi-objective evolutionary optimization for generating ensembles of classifiers in the roc space. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 879–886, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [LP] Nuno Lourenço and Francisco B. Pereira. Dacco: a discrete ant colony algorithm to cluster geometry optimization. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs,

Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 41–48, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[LRTP] Ricardo Landa, Yazmin Rojas, and Gregorio Toscano-Pulido. An approach for estimating separability and its application on high dimensional optimization. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 951–958, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[LSL] Daniel L. Ly, Ashutosh Saxena, and Hod Lipson. Co-evolutionary predictors for kinematic pose inference from rgbd images. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 967–974, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[LSS] Ilya Loshchilov, Marc Schoenauer, and Michele Sebag. Self-adaptive surrogate-assisted covariance matrix adaptation evolution strategy. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 321–328, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[LWAY] Steven Loscalzo, Robert Wright, Kevin Acunto, and Lei Yu. Sample aware embedded feature selection for reinforcement learning. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic*

and evolutionary computation conference, pages 887–894, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [LY] Hsuan Lee and Tian-Li Yu. Off-line building block identification: detecting building blocks directly from fitness without genetic algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 641–648, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MBZ] Syahaneim Marzukhi, Will N. Browne, and Mengjie Zhang. Two-cornered learning classifier systems for pattern generation and classification. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 895–902, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MG] Yan Meng and Hongliang Guo. Evolving network motifs based morphogenetic approach for self-organizing robotic swarms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 137–144, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MH] Hirotaka Moriguchi and Shinichi Honiden. Cma-tweann: efficient optimization of neural networks via self-adaptation and seamless augmentation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 903–910, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MHR] Daniel E. McCarney, Sheridan Houghten, and Brian J. Ross. Evolutionary approaches to the generation of optimal error correcting codes. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon

Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1135–1142, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [MLB] Mariana R. Mendoza, Fabrício M. Lopes, and Ana Lúcia C. Bazzan. Reverse engineering of grns: an evolutionary approach based on the tsallis entropy. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 185–192, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MLH] Ricardo Martins, Nuno Lourenço, and Nuno Horta. Laygen ii: automatic analog ics layout generator based on a template approach. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1127–1134, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MM] Jared M. Moore and Philip K. McKinley. Evolving flexible joint morphologies. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 145–152, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MNFC] Douglas Guimaraes Macharet, Armando Alves Neto, Vilar Fiuza da Camara Neto, and Mario Montenegro Campos. An evolutionary approach for the dubins’ traveling salesman problem with neighborhoods. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO*

'12: *Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 377–384, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [MO] Matthew Medland and Fernando Otero. A study of different quality evaluation functions in the cant-miner(pb) classification algorithm. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 49–56, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MP] Penousal Machado and Luís Pereira. Photogrowth: non-photorealistic renderings through ant paintings. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 233–240, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MS] Alberto Moraglio and Dirk Sudholt. Runtime analysis of convex evolutionary search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 649–656, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MSC] David Marco, Carron Shankland, and David Cairns. Evolving bio-pepa process algebra models using genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 177–184, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [MSOBTMCP] Jorge H. Moreno-Scott, Jose Carlos Ortíz-Bayliss, Hugo Terashima-Marín, and Santiago Enrique Conant-Pablos. Challenging heuristics: evolving binary constraint satisfaction problems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs,

Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 409–416, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[MSY] Leandro L. Minku, Dirk Sudholt, and Xin Yao. Evolutionary algorithms for the project scheduling problem: runtime analysis and improved design. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1221–1228, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[MWL⁺] James McDermott, David R. White, Sean Luke, Luca Manzoni, Mauro Castelli, Leonardo Vanneschi, Wojciech Jaskowski, Krzysztof Krawiec, Robin Harper, Kenneth De Jong, and Una-May O'Reilly. Genetic programming needs better benchmarks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 791–798, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[MZHR] Angel Eduardo Munoz-Zavala and Evelyn Jade Hernandez-Ramos. Optimal cyclic replacement policy in mss maintenance via binomial-pso. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 57–64, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[Neu] Frank Neumann. Computational complexity analysis of multi-objective genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of*

the fourteenth international conference on Genetic and evolutionary computation conference, pages 799–806, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [NRW] Philipp Nebel, Gunther Richter, and Karsten Weicker. Multi-container loading with non-convex 3d shapes using a ga/ts hybrid. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1143–1150, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [NSD] Réka Nagy, Mihai Alexandru Suciuc, and D. Dumitrescu. Lorenz equilibrium: equitability in non-cooperative games. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 489–496, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [NTC] Mariá Nascimento, Franklina Toledo, and André Carvalho. A hybrid heuristic for the k-medoids clustering problem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 417–424, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [OBTMCP⁺] José Carlos Ortiz-Bayliss, Hugo Terashima-Marín, Santiago Enrique Conant-Pablos, Ender Özcan, and Andrew J. Parkes. Improving the performance of vector hyper-heuristics through local search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1269–1276, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [OW] Pietro S. Oliveto and Carsten Witt. On the analysis of the simple genetic algorithm. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti,

Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1341–1348, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[PGP⁺] Grigoris S. Piperagkas, George Georgoulas, Konstantinos E. Parsopoulos, Chrysostomos D. Stylios, and Aristidis C. Likas. Integrating particle swarm optimization with reinforcement learning in noisy problems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 65–72, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[PH] Martin Pelikan and Mark W. Hauschild. Distance-based bias in model-directed optimization of additively decomposable problems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 273–280, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[PHM⁺] Dao Ngoc Phong, Nguyen Xuan Hoai, Robert Ian McKay, Constantin Siriteanu, Nguyen Quang Uy, and Namyoung Park. Evolving the best known approximation to the q function. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 807–814, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[PR] Clara Pizzuti and Simona Rombo. Experimental evaluation of topological-based fitness functions to detect complexes in ppi networks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic*

and evolutionary computation conference, pages 193–200, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.

- [PSH] Dung H. Phan, Junichi Suzuki, and Isao Hayashi. Leveraging indicator-based ensemble selection in evolutionary multiobjective optimization algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 497–504, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.
- [QRFO] A. K. Qin, Federico Raimondo, Florence Forbes, and Yew Soon Ong. An improved cuda-based implementation of differential evolution on gpu. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 991–998, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.
- [RB] Cristian Rotaru and Octav Brudaru. Dynamic segregative genetic algorithm for optimizing the variable ordering of robdds. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 657–664, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.
- [RDA] Daniel Richards, Nick Dunn, and Martyn Amos. An evo-devo approach to architectural design. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 569–576, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.
- [RGR] Sergio Rojas-Galeano and Nestor Rodriguez. A memory efficient and continuous-valued compact eda for large scale problems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil

Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 281–288, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [RS] Jonathan E. Rowe and Dirk Sudholt. The choice of the offspring population size in the $(1, \lambda)$ ea. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1349–1356, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SA] Briseida Sarasola and Enrique Alba. How long should we run in dynamic optimization? In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 665–672, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SAA] Symone Soares, Carlos Antunes, and Rui Araújo. A genetic algorithm for designing neural network ensembles. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 681–688, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SAM⁺] Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors. *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 7-11 July 2012.
- [Say] Hiroki Sayama. Morphologies of self-organizing swarms in 3d swarm chemistry. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss,

Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 577–584, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [SB] Patrick O. Stalph and Martin V. Butz. Guided evolution in xcsf. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 911–918, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SBLL] Roberto Santana, Laurent Bonnet, Jozef Legény, and Anatole Lécuyer. Introducing the use of model-based evolutionary algorithms for eeg-based motor imagery classification. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1159–1166, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SC] Anabela Simoes and Ernesto Costa. Enhancing the virtual loser genetic algorithm for dynamic environments. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 673–680, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [Sch] Tom Schaul. Natural evolution strategies converge on sphere functions. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 329–336, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [SDN] Andrew M. Sutton, Jareth Day, and Frank Neumann. A parameterized runtime analysis of evolutionary algorithms for max-2-sat. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 433–440, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SH] Robert Elliott Smith and Muhammad Shakir Hussain. Hybrid metaheuristic particle filters for stochastic volatility estimation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1167–1174, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SHH] Lee Spector, Kyle Harrington, and Thomas Helmuth. Tag-based modularity in tree-based genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 815–822, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SL] Bo Song and Victor Li. A hybridization between memetic algorithm and semidefinite relaxation for the max-cut problem. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 425–432, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [SLZ⁺] Shuai Shao, Xiyang Liu, Mingyuan Zhou, Jiguo Zhan, Xin Liu, Yanli Chu, and Hao Chen. A gpu-based implementation of an enhanced gep algorithm. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa,

Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 999–1006, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[SNH⁺] John Swafford, Miguel Nicolau, Erik Hemberg, Michael O'Neill, and Anthony Brabazon. Comparing methods for module identification in grammatical evolution. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 823–830, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[SS] Forrest Stonedahl and Susa Stonedahl. Darwinian rivers: evolving stream topographies to match hyporheic residence time distributions. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1175–1182, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[SSH] Michael Solomon, Terence Soule, and Robert B. Heckendorn. A comparison of a communication strategies in cooperative learning. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 153–160, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[Sud] Dirk Sudholt. Crossover speeds up building-block assembly. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 689–702, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[TB] Dirk Thierens and Peter Bosman. Predetermined versus learned linkage models. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss,

Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 289–296, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[TFM] Wesley Tansey, Eliana Feasley, and Risto Miikkulainen. Accelerating evolution via egalitarian social learning. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 919–926, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[TKS] Ivan Tanev, Tüze Kuyucu, and Katsunori Shimohara. On the cumulative effect of bloat and genetic transposition on the efficiency of incremental evolution of snake-like robot. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 161–168, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[tXZ] Rui tian Xu and Jun Zhang. Estimating markov switching model using differential evolution algorithm in prospective infectious disease outbreak detection. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1183–1190, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[UGMM] Ryan Urbanowicz, Ambrose Granizo-Mackenzie, and Jason Moore. Instance-linked attribute tracking and feedback for michigan-style supervised learning classifier systems. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of*

the fourteenth international conference on Genetic and evolutionary computation conference, pages 927–934, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [VC] Cynthia A. Rodríguez Villalobos and Carlos A. Coello Coello. A new multi-objective evolutionary algorithm based on a performance assessment indicator. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 505–512, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [VMdV] Ana Cristina Barreiras Kochem Vendramin, Anelise Munaretto, Myriam Regattieri de Biase da Silva Delgado, and Aline Carneiro Viana. Cgrant: a swarm intelligence-based routing protocol for delay tolerant networks. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 33–40, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [VMS] Nadarajen Veerapen, Jorge Maturana, and Frédéric Saubion. An exploration-exploitation compromise-based adaptive operator selection for local search. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1277–1284, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [VPPEFd] Omar Paranaiba Vilela Neto, André Silva Pimentel, Marco Aurélio Cavalcanti Pacheco, and Ênio Frota da Silveira. Evolutionary algorithms applied to elucidate ionic water cluster structure formation. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1151–1158, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [VSG] Eduardo Vellasques, Robert Sabourin, and Eric Granger. Gaussian mixture modeling for dynamic particle swarm optimization of recurrent problems. In Terry Soule, Anne

Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 73–80, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[WC] Darrell Whitley and Wenxiang Chen. Constant time steepest descent local search with lookahead for nk-landscapes and max-ksat. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1357–1364, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[WDT] Thomas Weise, Alexandre Devert, and Ke Tang. A developmental solution to (dynamic) capacitated arc routing problems using genetic programming. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 831–838, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[WPF] Rui Wang, Robin Purshouse, and Peter Fleming. Local preference-inspired co-evolutionary algorithms. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 513–520, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

[WTB] Josh L. Wilkerson, Daniel R. Tauritz, and James M. Bridges. Multi-objective coevolutionary automated software correction. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy

Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1229–1236, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.

- [XZB] Bing Xue, Mengjie Zhang, and Will N. Browne. Multi-objective particle swarm optimisation (pso) for feature selection. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 81–88, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [YGSP] Bo Yang, Liang Guang, Tero S  ntti, and Juha Plosila. t(k)-sa: accelerated simulated annealing algorithm for application mapping on networks-on-chip. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1191–1198, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [YS] Mouadh Yagoubi and Marc Schoenauer. Asynchronous master/slave moeas and heterogeneous evaluation costs. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 1007–1014, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [ZBE] Nazar Zaki, Jose Berengueres, and Dmitry Efimov. Prorank: a method for detecting protein complexes. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 209–216, Philadelphia, Pennsylvania, USA, 7-11 July 2012. ACM.
- [ZMM] Qiao Zhang, Herv   Manier, and Marie-Ange Manier. A hybrid metaheuristic algorithm for flexible job-shop scheduling problems with transportation constraints. In Terry Soule, Anne Auger, Jason Moore, David Pelta, Christine Solnon, Mike Preuss, Alan Dorin, Yew-Soon Ong, Christian Blum, Dario Landa Silva, Frank Neumann, Tina

Yu, Aniko Ekart, Wil Browne, Tim Kovacs, Man-Leung Wong, Clara Pizzuti, Jon Rowe, Tobias Friedrich, Giovanni Squillero, Nicolas Bredeche, Stephen Smith, Alison Motsinger-Rei, Jose Lozano, Martin Pelikan, Silja Meyer-Nienber, Christian Igel, Greg Hornby, Rene Doursat, Steve Gustafson, Gustavo Olague, Shin Yoo, John Clark, Gabriela Ochoa, Gisele Pappa, Fernando Lobo, Daniel Tauritz, Jurgen Branke, and Kalyanmoy Deb, editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, pages 441–448, Philadelphia, Pennsylvania, USA, 7–11 July 2012. ACM.