Список литературы

[1] Russ Abbott. Challenges for biologically-inspired computing. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 12–22, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[2] Flavio Baronti, Alessandro Passaro, and Antonina Starita. Post-processing clustering to reduce XCS variability. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 79–81, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[3] Ricardo Landa Becerra and Carlos A. Coello Coello. Use of domain information to improve the performance of an evolutionary algorithm. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 362–365, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[4] Johan Berntsson. G2DGA: An adaptive framework for internet-based distributed genetic algorithms. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 346–349, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[5] Michal Bidlo. A benchmark for the sorting network problem. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 289–291, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[6] Michal Bidlo and Lukas Sekanina. Providing information from the environment for growing electronic circuits through polymorphic gates. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 242–248, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[7] Lashon B. Booker. Adaptive value function approximations in classifier systems. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 90–91, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[8] Peter A. N. Bosman. Learning, anticipation and time-deception in evolutionary online dynamic optimization. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 39–47, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[9] Amine Boumaza. Learning environment dynamics from self-adaptation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 48–54, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[10] Claire Bourgeois-Republique, Bruno Frachet, and Pierre Collet. Using an interactive evolutionary algorithm to help fitting a cochlear implant. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 133–139, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[11] Keki Burjorjee and Jordan Pollack. Theme preservation and the evolution of representation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 310–320, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[12] Jeff Clune, Sherri Goings, Bill Punch, and Eric Goodman. Investigations in meta-GAs: Panaceas or pipe dreams? In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 235–241, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[13] Hai Huong Dam, Hussein A. Abbass, and Chris Lokan. Be real! XCS with continuous-valued inputs. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael

O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 85–87, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[14] Richard O. Day, Abel S. Nunez, and Gary B. Lamont. MOEA design of robust digital symbol sets. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 167–169, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[15] Edwin D. de Jong, Richard A. Watson, and Dirk Thierens. A generator for hierarchical problems. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 321–326, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[16] Ian Dempsey. Constant generation for the financial domain using grammatical evolution. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 350–353, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[17] Albert Esterline, Chafic BouSaba, Abdollah Homaifar, and Dan Rodgers. A framework for learning coordinated behavior. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 121–124, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[18] Wai Kuan Foong, Holger R. Maier, and Angus R. Simpson. Ant colont optimization for power plant maintenance scheduling optimization. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 354–357, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[19] Alberto Gallini, C. Ferretti, and G. Mauri. Bio molecular engine: A bio-inspired environment for models of growing and evolvable computation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation*

Conference (GECCO2005) workshop program, pages 249–256, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[20] Yang Gao, Joshua Zhexue Huang, Hongqiang Rong, and Daqian Gu. Learning classifier system ensemble for data mining. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 63–66, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[21] Ivan Garibay, Annie S. Wu, and Ozlem Garibay. On location independent representations and self-organization. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 292–292, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[22] Daqian Gu and Yang Gao. Incremental gradient descent imputation method for missing data in learning classifier systems. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 72–73, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[23] Ali Hamzeh and Adel Rahmani. Intelligent exploration method for XCS. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 100–102, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[24] Christina Savannah Maria Hayes and Tomáš Gedeon. Hyperbolic fixed points are typical in the space of mixing operators for the infinite population genetic algorithm. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 358–361, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[25] John H. Holmes. Detection of sentinel predictor-class associations with XCS:a sensitivity analysis. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 67–71, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[26] Talib S. Hussain, Daniel Cerys, David Montana, Gordon Vidaver, and Jeffrey E. Berliner. Tactical UGV navigation and logistics planning. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano

Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 184–186, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[27] Hiroyasu Inoue, Keiki Takadama, and Katsunori Shimohara. Exploring XCS in multiagent environments. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 109–111, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[28] Cezary Z. Janikow. Adaptable representation in GP. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 327–331, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[29] Aynur Kahraman and H. Aydolu Seven. Healthy daily meal planner. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 390–393, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[30] Ulya Rahmet Karpuzcu. Automatic verilog code generation through grammatical evolution. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 394–397, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[31] Namrata Khemka, Christian Jacob, and Gerald Cole. Making soccer kicks better: A study in particle swarm optimization. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 382–385, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[32] Mark P. Kleeman and Gary B. Lamont. Solving the aircraft engine maintenance scheduling problem using a multi-objective evolutionary algorithm. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama,

Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 196–198, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[33] Correy Allen Kowall. Braitenberg simulations as vehicles of evolution. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 398–401, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[34] Travis L. Kriplean. Evolving an ecology of two-tiered organizations. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 402–406, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[35] Sanjeev Kumar. A developmental genetics-inspired approach to robot control. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 304–309, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[36] François-Joseph Lapointe. Choreogenetics: the generation of choreographic variants through genetic mutations and selection. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 366–369, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[37] Patrick LaRoche and A. Nur Zincir-Heywood. 802.11 network intrusion detection using genetic programming. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 170–171, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[38] Katharina A. Lehmann. Why simulating evolutionary processes is just as interesting as applying them. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 370–373, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[39] Joseph Lewis and Jamie Lawson. Behaviorally coupled emergent representation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 302–303, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[40] Dudy Lim, Yew-Soon Ong, and Bu-Sung Lee. Inverse multi-objective robust evolutionary design optimization in the presence of uncertainty. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 55–62, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[41] Xavier Llorà, Kumara Sastry, and David E. Goldberg. Binary rule encoding schemes: A study using the compact classifier system. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 88–89, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[42] Fernando G. Lobo and Cláudio F. Lima. A review of adaptive population sizing schemes in genetic algorithm. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 228–234, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[43] Daniele Loiacono and Pier Luca Lanzi. Improving generalization in the XCSF classifier system using linear least-squares. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 374–377, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[44] Michael A. Lones and Andy M. Tyrrell. The evolutionary computation approach to motif discovery in biological sequences. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 1–11, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[45] Hammad Majeed. A new approach to evaluate GP schema in context. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin

Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 378–381, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[46] Gabriel Mañana, Fabio González, and Eduardo Romero. Distributed genetic algorithm for subtraction radiography. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 140–146, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[47] John McDonnell and Aaron Rice. Rapid asset allocation for dynamic TACAIR decision support. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 187–189, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[48] Alex McMahon, Dan Scott, and Will Neil Browne. An autonomous explore/exploit strategy. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 103–108, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[49] Drew Mellor. Policy transfer with a relational learning classifier system. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 82–84, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[50] Ingo Mierswa and Katharina Morik. Method trees: Building blocks for self-organizable representations of value series. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 293–300, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[51] Frank Moore and Pat Marshall. Evolving next generation signal compression and reconstruction transforms via genetic algorithms. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 190–192, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[52] Alberto Moraglio and Riccardo Poli. Topological crossover for the permutation representation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 332–338, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[53] Heinz Mühlenbein and Robin Höns. Approximate factorizations of distributions and the mimimum relative entropy principle. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 199–211, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[54] Jae C. Oh and Misty Blowers. Text-independent open-set speaker identification for military missions using genetic rule-based system. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 172–174, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[55] Albert Orriols and Ester Bernadó-Mansilla. The class imbalance problem in learning classifier systems:a preliminary study. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 74–78, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[56] Tim Otter. Genotype, phenotype and ontogeny. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 301–301, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[57] Alessandro Passaro, Flavio Baronti, and Valentina Maggini. Exploring relationships between genotype and oral cancer development through XCS. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 147–151, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[58] Andrei Petrovski and John McCall. Smart problem solving environment for medical decision support. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar,

Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 152–158, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[59] Alan Piszcz and Terence Soule. Genetic programming: Parametric analysis of structure altering mutation techniques. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 220–227, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[60] William Rand and Rick Riolo. Measurements for understanding the behavior of the genetic algorithm in dynamic environments: A case study using the shaky ladder hyperplane-defined functions. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 32–38, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[61] Joseph Reisinger, Kenneth Stanley, and Risto Miikkulainen. Towards an empirical measure of evolvability. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 257–264, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[62] Jeffrey P. Ridder. Evolutionary computation methods for synchronization of effects based operations. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 175–177, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[63] John Rieffel and Jordan Pollack. Evolutionary fabrication: The emergence of novel assembly methods in artificial ontogenies. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 265–272, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[64] Michael E. Samples, Jason M. Daida, Matt Byom, and Matt Pizzimenti. Parameter sweeps for exploring GP parameters. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton,

and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 212–219, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[65] Joseph M. Shapiro, Gary B. Lamont, and Gilbert L. Peterson. An evolutionary algorithm to generate ellipsoid network intrusion detectors. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 178–180, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[66] Ivar Siccama and Maarten Keijzer. Genetic programming as a method to develop powerful predictive models for clinical diagnosis. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 164–166, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[67] Zbigniew Skolicki. An analysis of island models in evolutionary computation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 386–389, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[68] Noah W. Smith and Clare Bates Congdon. RCS: A learning classifier systems for evolutionary robotics. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 119–120, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[69] Neera P Sood, Ashley G. Williams, and Kenneth A. De Jong. Evaluating the XCS learning classifier system in competitive simultaneous learning environments. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 112–118, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[70] Christopher R. Stephens, Henri Waelbroeck, and Susan L. Talley. Predicting healthcare costs using GAs. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 159–163, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[71] David Enrique Suarez Pinzon, Julian Yezid Olarte Ramos, and Sergio Andres Rojas Galeano. Evolving object oriented agent programs in robocup domain. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 407–410, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[72] Claire J. Thie, Darren M. Chitty, and Colin M. Reed. Using evolutionary algorithms and dynamic programming to solve uncertain multi-criteria optimisation problems with application to lifetime management for military platforms. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 181–183, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[73] Marc Toussaint. Factorial representations to generate arbitrary search distributions. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 339–345, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[74] Vishakh, Nicholas John Urrea, Tadashi Nakano, and Tatsuya Suda. A resource-allocation mechanism for multiagent networks. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 411–414, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[75] Shivakumar Viswanathan and Jordan Pollack. How artificial ontogenies can retard evolution. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 273–280, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[76] Atsushi Wada, Keiki Takadama, and Katsunori Shimohara. Counter example for q-bucket-brigade under prediction problem. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 94–99, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[77] Atsushi Wada, Keiki Takadama, and Katsunori Shimohara. Learning classifier system equivalent with reinforcement learning with function approximation. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 92–93, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[78] Janet Wiles, Nic Geard, James Watson, Kai Willadsen, John Mattick, Daniel Bradley, and Jennifer Hallinan. There's more to a model than code: understanding and formalizing in silico modeling experience. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 281–288, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[79] Shengxiang Yang and Jürgen Branke. Evolutionary algorithms for dynamic optimization problems: Workshop preface. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 23–24, Washington, D.C., USA, 25-29 June 2005. ACM Press.

[80] Abdunnaser Younes, Paul Calamai, and Otman Basir. Generalized benchmark generation for dynamic combinatorial problems. In Franz Rothlauf, Misty Blowers, Jürgen Branke, Stefano Cagnoni, Ivan I. Garibay, Ozlem Garibay, Jörn Grahl, Gregory Hornby, Edwin D. de Jong, Tim Kovacs, Sanjeev Kumar, Claudio F. Lima, Xavier Llorà, Fernando Lobo, Laurence D. Merkle, Julian Miller, Jason H. Moore, Michael O'Neill, Martin Pelikan, Terry P. Riopka, Marylyn D. Ritchie, Kumara Sastry, Stephen L. Smith, Hal Stringer, Keiki Takadama, Marc Toussaint, Stephen C. Upton, and Alden H. Wright, editors, *Genetic and Evolutionary Computation Conference (GECCO2005) workshop program*, pages 25–31, Washington, D.C., USA, 25-29 June 2005. ACM Press.