

Список литературы

- [1] H. Sichtig, J. D. Schaffer, and C. B. Laramée, SSNNS -: a suite of tools to explore spiking neural networks, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1787–1790, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [2] A. K. A. Talukder, Towards high speed multiobjective evolutionary optimizers, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1791–1794, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [3] E. D. Arenas-Díaz, H. Ochoterena-Booth, and K. Rodríguez-Vázquez, Multiple sequence alignment using a GLOCSA guided genetic algorithm, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1795–1798, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [4] L. V. Santana-Quintero and C. A. Coello Coello, Accelerating convergence using rough sets theory for multi-objective optimization problems, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1799–1802, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [5] J.-W. Kim, How social structure and institutional order co-evolve beyond instrumental rationality, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1803–1806, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [6] D. W. F. van Krevelen, Specialization with NeuroEvolution in a collective behaviour task, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1807–1810, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [7] H. Sato, H. E. Aguirre, and K. Tanaka, Local dominance and controlling dominance area of solutions in multi and many objectives EAs, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1811–1814, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [8] G. Paperin, Using holey fitness landscapes to counteract premature convergence in evolutionary algorithms, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1815–1818, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [9] J. C. B. Ribeiro, Search-based test case generation for object-oriented java software using strongly-typed genetic programming, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon,

- C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1819–1822, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [10] W. M. Korani, Bacterial foraging oriented by particle swarm optimization strategy for PID tuning, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1823–1826, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [11] S. A. Kayani, Search for human competitive results in open ended automated synthesis of a primordial mechatronic system, in *GECCO-2008 Graduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1827–1830, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [12] N. Padhye, Topology optimization of compliant mechanism using multi-objective particle swarm optimization, in *GECCO-2008 Undergraduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1831–1834, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [13] N. Padhye, Interplanetary trajectory optimization with swing-bys using evolutionary multi-objective optimization, in *GECCO-2008 Undergraduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1835–1838, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [14] R. K. Small, Agent Smith: a real-time game-playing agent for interactive dynamic games, in *GECCO-2008 Undergraduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1839–1842, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [15] A. Rodrigues Lima, Junior, A study for multi-objective fitness function for time series forecasting with intelligent techniques, in *GECCO-2008 Undergraduate Student Workshops*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1843–1846, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [16] M. V. Sewell and W. Yan, Ultra high frequency financial data, in *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1847–1850, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [17] P. Fernández-Blanco, D. J. Bodas-Sagi, F. J. Soltero, and J. I. Hidalgo, Technical market indicators optimization using evolutionary algorithms, in *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1851–1858, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [18] G. Hassan, Non-linear factor model for asset selection using multi objective genetic programming, in *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1859–1862, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [19] J. Peralta, G. Gutierrez, and A. Sanchis, ADANN: automatic design of artificial neural networks, in *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1863–1870, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [20] A. C. Briza and P. C. Naval, Jr., Design of stock trading system for historical market data using multiobjective particle swarm optimization of technical indicators, in *GECCO-2008 Workshop: Advanced Research Challenges in Financial Evolutionary Computing (ARC-FEC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1871–1878, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [21] B. Rosenberg, M. Richards, J. T. Langton, S. Tenenbaum, and D. W. Stouch, Applications of multi-objective evolutionary algorithms to air operations mission planning, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1879–1886, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [22] T. Francisco and G. M. J. dos Reis, Evolving combat algorithms to control space ships in a 2D space simulation game with co-evolution using genetic programming and decision trees, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1887–1892, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [23] T. Francisco and G. M. J. dos Reis, Evolving predator and prey behaviours with co-evolution using genetic programming and decision trees, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1893–1900, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [24] B. Babb, F. Moore, M. Peterson, and G. Lamont, Evolving better satellite image compression and reconstruction transforms, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1901–1906, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [25] F. W. Moore and B. Babb, A differential evolution algorithm for optimizing signal compression and reconstruction transforms, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1907–1912, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [26] D. J. Nowak, G. B. Lamont, and G. L. Peterson, Emergent architecture in self organized swarm systems for military applications, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1913–1920, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [27] L. D. Merkle, Metaoptimization of the in-lining priority function for a compiler targeting a polymorphous computing architecture, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1921–1928, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [28] L. D. Merkle, Automated network forensics, in *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1929–1932, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [29] I. C. Martínez and K. Jaffe, Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1933–1938, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [30] M. A. Montes de Oca and T. Stützle, Towards incremental social learning in optimization and multiagent systems, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1939–1944, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [31] N. Salazar, J. A. Rodriguez-Aguilar, and J. L. Arcos, Infection-based self-configuration in agent societies, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1945–1952, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [32] C. Chira, A. Gog, and D. Dumitrescu, Exploring population geometry and multi-agent systems: a new approach to developing evolutionary techniques, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1953–1960, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [33] D. J. Nowak and G. B. Lamont, Autonomous agent behavior generation using multiobjective evolutionary optimization, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni,

- M. Hauschild, M. Pelikan, and K. Sastry, pages 1961–1968, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [34] R. I. Lung, C. Chira, and D. Dumitrescu, An agent-based collaborative evolutionary model for multimodal optimization, in *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1969–1976, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [35] G. D. Howard and L. Bull, On the effects of node duplication and connection-oriented constructivism in neural XCSF, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1977–1984, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [36] D. Loiacono and P. L. Lanzi, Recursive least squares and quadratic prediction in continuous multistep problems, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1985–1992, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [37] M. A. Franco, I. C. Martinez, and C. Gorrin, Supply chain management sales using XCSR, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 1993–2000, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [38] G. Enée and M. Peroumalnaïk, Adapted Pittsburgh classifier system: building accurate strategies in non markovian environments, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2001–2008, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [39] T. H. Tran, C. Sanza, and Y. Duthen, Evolving prediction weights using evolution strategy, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2009–2016, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [40] R. M. Vallim, D. E. Goldberg, X. Llorà, T. S. Duque, and A. C. Carvalho, A new approach for multi-label classification based on default hierarchies and organizational learning, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2017–2022, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [41] P. Stalph and M. V. Butz, Towards increasing learning speed and robustness of XCSF: experimenting with larger offspring set sizes, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2023–2030, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [42] A. Orriols-Puig, J. Casillas, and E. Bernadó-Mansilla, First approach toward on-line evolution of association rules with learning classifier systems, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2031–2038, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [43] M. Tabacman, N. Krasnogor, J. Bacardit, and I. Loiseau, Learning classifier systems for optimisation problems: a case study on fractal travelling salesman problem, in *GECCO-2008 Workshop: Learning Classifier Systems*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2039–2046, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [44] Z. Lu, A. I. Rughani, B. I. Tranmer, and J. Bongard, Informative sampling for large unbalanced data sets, in *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2047–2054, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [45] A. Blouza, L. Dumas, and I. M’Baye, Multiobjective optimization of a stent in a fluid-structure context, in *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2055–2060, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [46] R. M. Patton, B. Beckerman, and T. E. Potok, Analysis of mammography reports using maximum variation sampling, in *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2061–2064, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [47] D. Zaharie, D. Lungeanu, and F. Zamfirache, Interactive search of rules in medical data using multiobjective evolutionary algorithms, in *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2065–2072, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [48] A. Hazell and S. L. Smith, Towards an objective assessment of alzheimer’s disease: the application of a novel evolutionary algorithm in the analysis of figure copying tasks, in *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2073–2080, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [49] L. Malagò, M. Matteucci, and B. Dal Seno, An information geometry perspective on estimation of distribution algorithms: boundary analysis, in *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernadó-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2081–2088, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [50] D. Thierens, A bivariate probabilistic model-building genetic algorithm for graph bipartitioning, in *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2089–2092, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [51] A. Awais, M. Farooq, and M. Y. Javed, Attack analysis & bio-inspired security framework for IPMultimedia subsystem, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2093–2098, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [52] A. K. Baughman, Evolutionary facial feature selection, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2099–2104, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [53] M. Bhattacharya, A synergistic approach for evolutionary optimization, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2105–2110, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [54] M. Bhattacharya, Handling uncertainty with a real-coded EA, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2111–2116, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [55] M. Bhattacharya, Reduced computation for evolutionary optimization in noisy environment, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2117–2122, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [56] J.-H. Chen and J.-H. Chen, Multi-objective memetic approach for flexible process sequencing problems, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2123–2128, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [57] D. Dasgupta, G. Hernandez, D. Garrett, P. K. Vejandla, A. Kaushal, R. Yerneni, and J. Simien, A comparison of multiobjective evolutionary algorithms with informed initialization and kuhn-munkres algorithm for the sailor assignment problem, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2129–2134, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [58] D. J. W. De Pauw and B. De Baets, Incorporating model identifiability into equation discovery of ODE systems, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2135–2140, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [59] T. P. Fries, A fuzzy-genetic approach to network intrusion detection, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2141–2146, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [60] D. Iclanzan and D. Dumitrescu, Towards memoryless model building, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2147–2152, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [61] J. H. Imada and B. J. Ross, Using feature-based fitness evaluation in symbolic regression with added noise, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2153–2158, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [62] W. Jaskowski, K. Krawiec, and B. Wieloch, Multi-task code reuse in genetic programming, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2159–2164, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [63] S. A. Kayani and M. A. Malik, Bond-graphs + genetic programming: analysis of an automatically synthesized rotary mechanical system, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2165–2168, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [64] G. M. Khan, J. F. Miller, and D. M. Halliday, Developing neural structure of two agents that play checkers using cartesian genetic programming, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2169–2174, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [65] K. Krawiec and P. Polewski, Potential fitness for genetic programming, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2175–2180, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [66] J. Lässig, K. H. Hoffmann, and M. Enachescu, Threshold selecting: best possible probability distribution for crossover selection in genetic algorithms, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2181–2186, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [67] A. Madureira, F. Santos, and I. Pereira, Self-managing agents for dynamic scheduling in manufacturing, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2187–2192, Atlanta, GA, USA, 12-16 July 2008, ACM.

- [68] T. K. Paul, K. Ueno, K. Iwata, T. Hayashi, and N. Honda, Risk prediction and risk factors identification from imbalanced data with RPMBGA+, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2193–2198, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [69] J. L. Payne and M. J. Eppstein, Parameterizing pair approximations for takeover dynamics, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2199–2204, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [70] S. Shirakawa and T. Nagao, Evolutionary algorithm considering program size: efficient program evolution using grape, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2217–2222, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [71] G. Squillero and A. P. Tonda, A novel methodology for diversity preservation in evolutionary algorithms, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2223–2226, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [72] K. Sullivan, S. Luke, C. Larock, S. Cier, and S. Armentrout, Opportunistic evolution: efficient evolutionary computation on large-scale computational grids, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2227–2232, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [73] D. Wilson and D. Kaur, Using quotient graphs to model neutrality in evolutionary search, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2233–2238, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [74] L. Yu, J. Zhou, F. Ye, S. Mabu, K. Shimada, K. Hirasawa, and S. Markon, Double-deck elevator system using genetic network programming with genetic operators based on pheromone information, in *GECCO-2008 Late-Breaking Papers*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2239–2244, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [75] K. De Jong, Evolutionary computation: a unified approach, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2245–2258, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [76] T. Bäck, Evolution strategies: basic introduction, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V.

- Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2259–2276, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [77] E. D. Goodman, Introduction to genetic algorithms, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2277–2298, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [78] J. R. Koza, Introduction to genetic programming: tutorial, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2299–2338, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [79] R. M. A. Azad and C. Ryan, Gecco 2008 grammatical evolution tutorial, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2339–2366, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [80] M. V. Butz, Learning classifier systems, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2367–2388, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [81] M. Pelikan, Probabilistic model-building genetic algorithms, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2389–2416, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [82] T. Jansen and F. Neumann, Computational complexity and evolutionary computation, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2417–2444, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [83] C. A. Coello Coello, Constraint-handling techniques used with evolutionary algorithms, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2445–2466, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [84] E. Zitzler and K. Deb, Evolutionary multiobjective optimization, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2467–2486, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [85] K. Deb, Evolutionary practical optimization, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2487–2516, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [86] T. Bartz-Beielstein and M. Preuss, Experimental research in evolutionary computation, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo,

- J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2517–2534, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [87] J. E. Rowe, Genetic algorithm theory, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2535–2558, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [88] R. Poli, Genetic programming theory, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2559–2588, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [89] D. Whitley, No free lunch, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2589–2612, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [90] F. Rothlauf, Representations for evolutionary algorithms, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2613–2638, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [91] M. Wineberg and S. Christensen, An introduction to statistical analysis for evolutionary computation, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2639–2664, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [92] G. Squillero, Ea-based test and verification of microprocessors, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2665–2688, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [93] Y. Borenstein, An information perspective on evolutionary computation, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2689–2700, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [94] J. F. Miller and S. L. Harding, Cartesian genetic programming, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2701–2726, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [95] A. Auger and N. Hansen, Evolution strategies and related estimation of distribution algorithms, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2727–2740, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [96] M. Sipper, Evolutionary computation & games, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D.

- Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2741–2776, Atlanta, GA, USA, 12-16 July 2008, ACM.
- [97] I. C. Parmee, Evolutionary design search, exploration and optimisation, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2777–2804, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [98] R. Kumar, Evolutionary multiobjective combinatorial optimization (EMCO), in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2805–2828, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [99] R. Miikkulainen and K. O. Stanley, Evolving neural networks, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2829–2848, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [100] K. O. Stanley, Generative and developmental systems, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2849–2864, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [101] L. Spector, Quantum computing, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2865–2894, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [102] M. Keijzer, Symbolic regression, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2895–2906, Atlanta, GA, USA, 12-16 July 2008, ACM.
 - [103] C. Witt, Theory of randomised search heuristics in combinatorial optimisation: an algorithmic point of view, in *GECCO-2008 tutorials*, edited by M. Ebner, M. Cattolico, J. van Hemert, S. Gustafson, L. D. Merkle, F. W. Moore, C. B. Congdon, C. D. Clack, F. W. Moore, W. Rand, S. G. Ficici, R. Riolo, J. Bacardit, E. Bernado-Mansilla, M. V. Butz, S. L. Smith, S. Cagnoni, M. Hauschild, M. Pelikan, and K. Sastry, pages 2907–2946, Atlanta, GA, USA, 12-16 July 2008, ACM.