

Список литературы

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

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

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

- [26] Nowak, D. J., Lamont, G. B., and Peterson, G. L.: Emergent architecture in self organized swarm systems for military applications. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, 1913–1920. ACM, Atlanta, GA, USA (2008)
- [27] Merkle, L. D.: Metaoptimization of the in-lining priority function for a compiler targeting a polymorphous computing architecture. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, 1921–1928. ACM, Atlanta, GA, USA (2008)
- [28] Merkle, L. D.: Automated network forensics. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Defense Applications of Computational Intelligence (DAC)*, 1929–1932. ACM, Atlanta, GA, USA (2008)
- [29] Martínez, I. C. and Jaffe, K.: Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1933–1938. ACM, Atlanta, GA, USA (2008)
- [30] Montes de Oca, M. A. and Stützle, T.: Towards incremental social learning in optimization and multiagent systems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1939–1944. ACM, Atlanta, GA, USA (2008)
- [31] Salazar, N., Rodriguez-Aguilar, J. A., and Arcos, J. L.: Infection-based self-configuration in agent societies. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1945–1952. ACM, Atlanta, GA, USA (2008)
- [32] Chira, C., Gog, A., and Dumitrescu, D.: Exploring population geometry and multi-agent systems: a new approach to developing evolutionary techniques. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1953–1960. ACM, Atlanta, GA, USA (2008)
- [33] Nowak, D. J. and Lamont, G. B.: Autonomous agent behavior generation using multiobjective evolutionary optimization. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1961–1968. ACM, Atlanta, GA, USA (2008)
- [34] Lung, R. I., Chira, C., and Dumitrescu, D.: An agent-based collaborative evolutionary model for multimodal optimization. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle,

- L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, 1969–1976. ACM, Atlanta, GA, USA (2008)
- [35] Howard, G. D. and Bull, L.: On the effects of node duplication and connection-oriented constructivism in neural XCSF. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 1977–1984. ACM, Atlanta, GA, USA (2008)
- [36] Loiacono, D. and Lanzi, P. L.: Recursive least squares and quadratic prediction in continuous multistep problems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 1985–1992. ACM, Atlanta, GA, USA (2008)
- [37] Franco, M. A., Martinez, I. C., and Gorriin, C.: Supply chain management sales using XCSR. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 1993–2000. ACM, Atlanta, GA, USA (2008)
- [38] Enée, G. and Peroumalnaik, M.: Adapted Pittsburgh classifier system: building accurate strategies in non markovian environments. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2001–2008. ACM, Atlanta, GA, USA (2008)
- [39] Tran, T. H., Sanza, C., and Duthen, Y.: Evolving prediction weights using evolution strategy. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2009–2016. ACM, Atlanta, GA, USA (2008)
- [40] Vallim, R. M., Goldberg, D. E., Llorà, X., Duque, T. S., and Carvalho, A. C.: A new approach for multi-label classification based on default hierarchies and organizational learning. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2017–2022. ACM, Atlanta, GA, USA (2008)
- [41] Stalph, P. and Butz, M. V.: Towards increasing learning speed and robustness of XCSF: experimenting with larger offspring set sizes. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2023–2030. ACM, Atlanta, GA, USA (2008)
- [42] Orriols-Puig, A., Casillas, J., and Bernadó-Mansilla, E.: First approach toward on-line evolution of association rules with learning classifier systems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2031–2038. ACM, Atlanta, GA, USA (2008)

- [43] Tabacman, M., Krasnogor, N., Bacardit, J., and Loiseau, I.: Learning classifier systems for optimisation problems: a case study on fractal travelling salesman problem. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Learning Classifier Systems*, 2039–2046. ACM, Atlanta, GA, USA (2008)
- [44] Lu, Z., Rughani, A. I., Tranmer, B. I., and Bongard, J.: Informative sampling for large unbalanced data sets. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, 2047–2054. ACM, Atlanta, GA, USA (2008)
- [45] Blouza, A., Dumas, L., and M’Baye, I.: Multiobjective optimization of a stent in a fluid-structure context. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, 2055–2060. ACM, Atlanta, GA, USA (2008)
- [46] Patton, R. M., Beckerman, B., and Potok, T. E.: Analysis of mammography reports using maximum variation sampling. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, 2061–2064. ACM, Atlanta, GA, USA (2008)
- [47] Zaharie, D., Lungeanu, D., and Zamfirache, F.: Interactive search of rules in medical data using multiobjective evolutionary algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, 2065–2072. ACM, Atlanta, GA, USA (2008)
- [48] Hazell, A. and Smith, S. L.: Towards an objective assessment of alzheimer’s disease: the application of a novel evolutionary algorithm in the analysis of figure copying tasks. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: MedGEC Medical Applications of Genetic and Evolutionary Computation*, 2073–2080. ACM, Atlanta, GA, USA (2008)
- [49] Malagò, L., Matteucci, M., and Dal Seno, B.: An information geometry perspective on estimation of distribution algorithms: boundary analysis. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, 2081–2088. ACM, Atlanta, GA, USA (2008)
- [50] Thierens, D.: A bivariate probabilistic model-building genetic algorithm for graph bipartitioning. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Workshop: Optimization by Building and Using Probabilistic Models (OBUPM)*, 2089–2092. ACM, Atlanta, GA, USA (2008)
- [51] Awais, A., Farooq, M., and Javed, M. Y.: Attack analysis & bio-inspired security framework for IPMultimedia subsystem. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle,

- L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2093–2098. ACM, Atlanta, GA, USA (2008)
- [52] Baughman, A. K.: Evolutionary facial feature selection. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2099–2104. ACM, Atlanta, GA, USA (2008)
- [53] Bhattacharya, M.: A synergistic approach for evolutionary optimization. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2105–2110. ACM, Atlanta, GA, USA (2008)
- [54] Bhattacharya, M.: Handling uncertainty with a real-coded EA. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2111–2116. ACM, Atlanta, GA, USA (2008)
- [55] Bhattacharya, M.: Reduced computation for evolutionary optimization in noisy environment. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2117–2122. ACM, Atlanta, GA, USA (2008)
- [56] Chen, J.-H. and Chen, J.-H.: Multi-objective memetic approach for flexible process sequencing problems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2123–2128. ACM, Atlanta, GA, USA (2008)
- [57] Dasgupta, D., Hernandez, G., Garrett, D., Vejandla, P. K., Kaushal, A., Yerneni, R., and Simien, J.: A comparison of multiobjective evolutionary algorithms with informed initialization and kuhn-munkres algorithm for the sailor assignment problem. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2129–2134. ACM, Atlanta, GA, USA (2008)
- [58] De Pauw, D. J. W. and De Baets, B.: Incorporating model identifiability into equation discovery of ODE systems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2135–2140. ACM, Atlanta, GA, USA (2008)
- [59] Fries, T. P.: A fuzzy-genetic approach to network intrusion detection. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2141–2146. ACM, Atlanta, GA, USA (2008)
- [60] Iclanzan, D. and Dumitrescu, D.: Towards memoryless model building. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz,

- M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2147–2152. ACM, Atlanta, GA, USA (2008)
- [61] Imada, J. H. and Ross, B. J.: Using feature-based fitness evaluation in symbolic regression with added noise. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2153–2158. ACM, Atlanta, GA, USA (2008)
 - [62] Jaskowski, W., Krawiec, K., and Wieloch, B.: Multi-task code reuse in genetic programming. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2159–2164. ACM, Atlanta, GA, USA (2008)
 - [63] Kayani, S. A. and Malik, M. A.: Bond-graphs + genetic programming: analysis of an automatically synthesized rotary mechanical system. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2165–2168. ACM, Atlanta, GA, USA (2008)
 - [64] Khan, G. M., Miller, J. F., and Halliday, D. M.: Developing neural structure of two agents that play checkers using cartesian genetic programming. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2169–2174. ACM, Atlanta, GA, USA (2008)
 - [65] Krawiec, K. and Polewski, P.: Potential fitness for genetic programming. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2175–2180. ACM, Atlanta, GA, USA (2008)
 - [66] Lässig, J., Hoffmann, K. H., and Enachescu, M.: Threshold selecting: best possible probability distribution for crossover selection in genetic algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2181–2186. ACM, Atlanta, GA, USA (2008)
 - [67] Madureira, A., Santos, F., and Pereira, I.: Self-managing agents for dynamic scheduling in manufacturing. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2187–2192. ACM, Atlanta, GA, USA (2008)
 - [68] Paul, T. K., Ueno, K., Iwata, K., Hayashi, T., and Honda, N.: Risk prediction and risk factors identification from imbalanced data with RPMBGA+. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2193–2198. ACM, Atlanta, GA, USA (2008)
 - [69] Payne, J. L. and Eppstein, M. J.: Parameterizing pair approximations for takeover dynamics. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon,

- C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2199–2204. ACM, Atlanta, GA, USA (2008)
- [70] Shirakawa, S. and Nagao, T.: Evolutionary algorithm considering program size: efficient program evolution using grape. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2217–2222. ACM, Atlanta, GA, USA (2008)
- [71] Squillero, G. and Tonda, A. P.: A novel methodology for diversity preservation in evolutionary algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2223–2226. ACM, Atlanta, GA, USA (2008)
- [72] Sullivan, K., Luke, S., Larock, C., Cier, S., and Armentrout, S.: Opportunistic evolution: efficient evolutionary computation on large-scale computational grids. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2227–2232. ACM, Atlanta, GA, USA (2008)
- [73] Wilson, D. and Kaur, D.: Using quotient graphs to model neutrality in evolutionary search. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2233–2238. ACM, Atlanta, GA, USA (2008)
- [74] Yu, L., Zhou, J., Ye, F., Mabu, S., Shimada, K., Hirasawa, K., and Markon, S.: Double-deck elevator system using genetic network programming with genetic operators based on pheromone information. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 Late-Breaking Papers*, 2239–2244. ACM, Atlanta, GA, USA (2008)
- [75] De Jong, K.: Evolutionary computation: a unified approach. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2245–2258. ACM, Atlanta, GA, USA (2008)
- [76] Bäck, T.: Evolution strategies: basic introduction. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2259–2276. ACM, Atlanta, GA, USA (2008)
- [77] Goodman, E. D.: Introduction to genetic algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2277–2298. ACM, Atlanta, GA, USA (2008)
- [78] Koza, J. R.: Introduction to genetic programming: tutorial. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith,

- S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2299–2338. ACM, Atlanta, GA, USA (2008)
- [79] Azad, R. M. A. and Ryan, C.: Gecco 2008 grammatical evolution tutorial. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2339–2366. ACM, Atlanta, GA, USA (2008)
 - [80] Butz, M. V.: Learning classifier systems. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2367–2388. ACM, Atlanta, GA, USA (2008)
 - [81] Pelikan, M.: Probabilistic model-building genetic algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2389–2416. ACM, Atlanta, GA, USA (2008)
 - [82] Jansen, T. and Neumann, F.: Computational complexity and evolutionary computation. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2417–2444. ACM, Atlanta, GA, USA (2008)
 - [83] Coello Coello, C. A.: Constraint-handling techniques used with evolutionary algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2445–2466. ACM, Atlanta, GA, USA (2008)
 - [84] Zitzler, E. and Deb, K.: Evolutionary multiobjective optimization. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2467–2486. ACM, Atlanta, GA, USA (2008)
 - [85] Deb, K.: Evolutionary practical optimization. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2487–2516. ACM, Atlanta, GA, USA (2008)
 - [86] Bartz-Beielstein, T. and Preuss, M.: Experimental research in evolutionary computation. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2517–2534. ACM, Atlanta, GA, USA (2008)
 - [87] Rowe, J. E.: Genetic algorithm theory. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2535–2558. ACM, Atlanta, GA, USA (2008)
 - [88] Poli, R.: Genetic programming theory. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild,

- M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2559–2588. ACM, Atlanta, GA, USA (2008)
- [89] Whitley, D.: No free lunch. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2589–2612. ACM, Atlanta, GA, USA (2008)
 - [90] Rothlauf, F.: Representations for evolutionary algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2613–2638. ACM, Atlanta, GA, USA (2008)
 - [91] Wineberg, M. and Christensen, S.: An introduction to statistical analysis for evolutionary computation. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2639–2664. ACM, Atlanta, GA, USA (2008)
 - [92] Squillero, G.: Ea-based test and verification of microprocessors. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2665–2688. ACM, Atlanta, GA, USA (2008)
 - [93] Borenstein, Y.: An information perspective on evolutionary computation. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2689–2700. ACM, Atlanta, GA, USA (2008)
 - [94] Miller, J. F. and Harding, S. L.: Cartesian genetic programming. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2701–2726. ACM, Atlanta, GA, USA (2008)
 - [95] Auger, A. and Hansen, N.: Evolution strategies and related estimation of distribution algorithms. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2727–2740. ACM, Atlanta, GA, USA (2008)
 - [96] Sipper, M.: Evolutionary computation & games. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2741–2776. ACM, Atlanta, GA, USA (2008)
 - [97] Parmee, I. C.: Evolutionary design search, exploration and optimisation. In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla, E., Butz, M. V., Smith, S. L., Cagnoni, S., Hauschild, M., Pelikan, M., and Sastry, K., eds., *GECCO-2008 tutorials*, 2777–2804. ACM, Atlanta, GA, USA (2008)
 - [98] Kumar, R.: Evolutionary multiobjective combinatorial optimization (EMCO). In Ebner, M., Cattolico, M., van Hemert, J., Gustafson, S., Merkle, L. D., Moore, F. W., Congdon, C. B., Clack, C. D., Moore, F. W., Rand, W., Ficici, S. G., Riolo, R., Bacardit, J., Bernado-Mansilla,

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