

## Список литературы

- [1] Giacobini, M., Vanneschi, L., and Bush, W. S., eds.: *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*. Springer Verlag, Malaga, Spain (2012)
- [2] Manning, T. and Walsh, P.: Automatic Task Decomposition for the NeuroEvolution of Augmenting Topologies (NEAT) Algorithm. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 1–12. Springer Verlag, Malaga, Spain (2012)
- [3] Manzoni, L., Castelli, M., and Vanneschi, L.: Evolutionary Reaction Systems. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 13–24. Springer Verlag, Malaga, Spain (2012)
- [4] Rosenbaum, L., Jahn, A., and Zell, A.: Optimizing the Edge Weights in Optimal Assignment Methods for Virtual Screening with Particle Swarm Optimization. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 25–36. Springer Verlag, Malaga, Spain (2012)
- [5] Darabos, C., Giacobini, M., Hu, T., and Moore, J. H.: Lévy-flight GP: towards a new mutation paradigm. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 37–48. Springer Verlag, Malaga, Spain (2012)
- [6] Marini, S. and Conversi, A.: Understanding zooplankton long term variability through genetic programming. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 49–60. Springer Verlag, Malaga, Spain (2012)
- [7] Franken, H., Seitz, A., Lehmann, R., Häring, H.-U., Stefan, N., and Zell, A.: Inferring disease-related metabolite dependencies with a Bayesian Optimization Algorithm. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 61–72. Springer Verlag, Malaga, Spain (2012)
- [8] Nobile, M., Besozzi, D., Cazzaniga, P., Mauri, G., and Pescini, D.: A GPU-based Multi-Swarm PSO Method for Parameter Estimation in Stochastic Biological Systems Exploiting Discrete-Time Target Series. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 73–84. Springer Verlag, Malaga, Spain (2012)
- [9] Pinheiro, F., Santos, F., and Pacheco, J.: Tracking the evolution of cooperation in complex networked populations. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 85–95. Springer Verlag, Malaga, Spain (2012)
- [10] Vanneschi, L., Mondini, M., Bertoni, M., Ronchi, A., and Stefano, M.: GeNet: A Graph-Based Genetic Programming Framework for the Reverse Engineering of Gene Regulatory Networks. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 96–107. Springer Verlag, Malaga, Spain (2012)
- [11] González-Álvarez, D. L., Vega-Rodríguez, M. A., Gómez-Pulido, J. A., and Sánchez-Pérez, J. M.: Finding Motifs in DNA Sequences Applying a Multiobjective Artificial Bee Colony (MOABC) Algorithm. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 108–119. Springer Verlag, Malaga, Spain (2012)

- [12] Pan, Q., Darabos, C., and Moore, J. H.: The Role of Mutations in Whole Genome Duplication. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 120–131. Springer Verlag, Malaga, Spain (2012)
- [13] Comparison of methods for meta-dimensional data analysis using in silico and biological data sets. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 132–143. Springer Verlag, Malaga, Spain (2012)
- [14] Santander-Jiménez, S., Vega-Rodríguez, M. A., Gómez-Pulido, J. A., and Sánchez-Pérez, J. M.: Inferring Phylogenetic Trees Using a Multiobjective Artificial Bee Colony Algorithm. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 144–155. Springer Verlag, Malaga, Spain (2012)
- [15] Asencio-Cortés, G., Aguilar-Ruiz, J. S., Márquez-Chamorro, A. E., Ruiz, R., and Santiesteban-Toca, C. E.: Prediction of mitochondrial matrix protein structures based on feature selection and fragment assembly. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 156–167. Springer Verlag, Malaga, Spain (2012)
- [16] Kancherla, K. and Mukkala, S.: Feature Selection for Lung Cancer Detection using SVM based Recursive Feature Elimination Method. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 168–179. Springer Verlag, Malaga, Spain (2012)
- [17] Spirov, A., Golyandina, N., Holloway, D., Alexandrov, T., Spirova, E., and Lopes, F.: Measuring gene expression noise in early Drosophila embryos: the highly dynamic compartmentalized micro-environment of the blastoderm is one of the main sources of noise. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 180–191. Springer Verlag, Malaga, Spain (2012)
- [18] Granizo-Mackenzie, D. and Moore, J. H.: Artificial Immune Systems Perform Valuable Work When Detecting Epistasis in Human Genetic Datasets. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 192–203. Springer Verlag, Malaga, Spain (2012)
- [19] Buchanan, C., Wallace, J., Frase, A., Torstenson, E., Pendergrass, S., and Ritchie, M.: A Biologically Informed Method for Detecting Associations with Rare Variants. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 204–215. Springer Verlag, Malaga, Spain (2012)
- [20] Pizzuti, C., Rombo, S. E., and Marchiori, E.: Complex detection in protein-protein interaction networks: a compact overview for researchers and practitioners. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 216–227. Springer Verlag, Malaga, Spain (2012)
- [21] Santiesteban-Toca, C. E., Márquez-Chamorro, A. E., Asencio-Cortés, G., and Aguilar-Ruiz, J. S.: Short-range interactions and decision tree-based protein contact map predictor. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 228–237. Springer Verlag, Malaga, Spain (2012)
- [22] Márquez-Chamorro, A. E., Divina, F., Aguilar-Ruiz, J. S., Bacardit, J., Asencio-Cortés, G., and Santiesteban-Toca, C. E.: A NSGA-II Algorithm for the Residue-residue Contact Prediction. In

- Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 238–248. Springer Verlag, Malaga, Spain (2012)
- [23] Langdon, W. B. and Arno, J.: In Silico Infection of the Human Genome. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 249–252. Springer Verlag, Malaga, Spain (2012)
- [24] Cerutti, F., Bertolotti, L., Goldberg, T. L., and Giacobini, M.: Improving Phylogenetic Tree Interpretability by means of Evolutionary Algorithms. In Giacobini, M., Vanneschi, L., and Bush, W. S., eds., *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, vol. 7246 of *LNCS*, 253–256. Springer Verlag, Malaga, Spain (2012)